

A Bibliography of Regression-based Local Modeling Research

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Contents

Agriculture:	3
Archaeology:	13
Cartography and Geovisualization:	13
Community:	16
Crime:	17
DEM:	23
Demographics:	24
Dialect:	31
Economics:	31
Ecosystem:	47
Education:	63
Energy:	65
Environment:	69
Fire:	127
Fisheries:	131
Flood:	132
Forestry:	134
Geology:	142
Health:	145
Land Use:	188
Landslide:	198
Methodology:	200
Politics:	228
Real Estate:	230
Regional Analysis:	249
Software:	252
Terrorism:	252
Transportation:	253
Urban Studies:	273
Vegetation:	290

Agriculture:

Pribadi, D.O. and Pauleit, S., 2016. Peri-urban agriculture in Jabodetabek Metropolitan Area and its relationship with the urban socioeconomic system. *Land Use Policy*, 55, pp.265-274.

<https://www.sciencedirect.com/science/article/abs/pii/S0264837716303349>

Su, G., Okahashi, H. and Chen, L., 2018. Spatial Pattern of Farmland Abandonment in Japan: Identification and Determinants. *Sustainability*, 10(10), p.3676.

<https://www.mdpi.com/2071-1050/10/10/3676>

Peng, J., Liu, Y., Liu, Z. and Yang, Y., 2017. Mapping spatial non-stationarity of human-natural factors associated with agricultural landscape multifunctionality in Beijing–Tianjin–Hebei region, China. *Agriculture, Ecosystems & Environment*, 246, pp.221-233.

<https://www.sciencedirect.com/science/article/pii/S0167880917302499>

Chandra, H., Salvati, N., Chambers, R. and Sud, U.C., A Spatially Nonstationary Fay-Herriot Model for Small Area Estimation–An Application to Crop Yield Estimation.

<https://www.istat.it/storage/icas2016/f35-chandra.pdf>

Murakami, T., Nakajima, S., Takahashi, T., Nishihara, Y., Imai, A., Kikushima, R. and Sato, T., 2014. Spatially Varying Impacts of Farmers Markets on Agricultural Land Use.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2450712

Sassi, M., 2010. . Spatial Approach to Territorial Convergence Across the EU-15 Regions and the Common Agricultural Policy. *Research Topics in Agricultural and Applied Economics*, 1, p.114.

https://books.google.co.uk/books?hl=en&lr=&id=oUAxGETEbDYC&oi=fnd&pg=PA114&ots=-melnpkrXU&sig=R_wpaxxTaX7SzL06Vw4BiMf0R3c#v=onepage&q&f=false

Holan, S., Wang, S., Arab, A., Sadler, E.J. and Stone, K., 2008. Semiparametric geographically weighted response curves with application to site-specific agriculture. *Journal of agricultural, biological, and environmental statistics*, 13(4), p.424.

<https://link.springer.com/article/10.1198/108571108X378308>

Sankalpa, J.K.S., Wijesuriya, W., Karunaratne, S. and Ishani, P.G.N., Use of Geographically Weighted Regression to Determine Natural Rubber Productivity and Their Driving Forces: A Case Study in the Kalutara District of Sri Lanka.

https://www.researchgate.net/profile/Sajeep_Sankalpa/publication/327337922_Use_of_Geographically_Weighted_Regression_to_Determine_Natural_Rubber_Productivity_and_Their_Driving_Forces_A_Case_Study_in_the_Kalutara_District_of_Sri_Lanka/links/5b88e2e8299bf1d5a7334291/Use-of-Geographically-Weighted-Regression-to-Determine-Natural-Rubber-Productivity-and-Their-Driving-Forces-A-Case-Study-in-the-Kalutara-District-of-Sri-Lanka.pdf

Zhang, D., Jia, Q., Xu, X., Yao, S., Chen, H., Hou, X., Zhang, J. and Jin, G., 2019. Assessing the coordination of ecological and agricultural goals during ecological restoration efforts: A case study of Wuqi County, Northwest China. *Land Use Policy*, 82, pp.550-562.
<https://www.sciencedirect.com/science/article/abs/pii/S0264837718317332>

Imran, M., Stein, A. and Zurita-Milla, R., 2015. Using geographically weighted regression kriging for crop yield mapping in West Africa. *International journal of geographical information science*, 29(2), pp.234-257.
<https://www.tandfonline.com/doi/abs/10.1080/13658816.2014.959522>

Yang, Y., Tong, X. and Zhu, J., 2013. A geographically weighted model of the regression between grain production and typical factors for the Yellow River Delta. *Mathematical and Computer Modelling*, 58(3-4), pp.582-587.
<https://www.sciencedirect.com/science/article/pii/S0895717711006674>

Chi, S.H., Grigsby-Toussaint, D.S., Bradford, N. and Choi, J., 2013. Can geographically weighted regression improve our contextual understanding of obesity in the US? Findings from the USDA Food Atlas. *Applied Geography*, 44, pp.134-142.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622813001781>

Bivand, R.S. and Brunstad, R.J., 2003. Regional growth in Western Europe: an empirical exploration of interactions with agriculture and agricultural policy. In *European Regional Growth* (pp. 351-373). Springer, Berlin, Heidelberg.
https://link.springer.com/chapter/10.1007/978-3-662-07136-6_13

Wang, M. and Xiao, Y., 2018. Factors Affecting Farmers' Agricultural Training Participation Decision in Rural China: An Approach Using Geographically Weighted Regression. *DEStech Transactions on Social Science, Education and Human Science*, (ichae).
<http://www.dpi-proceedings.com/index.php/dtssehs/article/view/25621>

Caetano, J.M., Tessarolo, G., de Oliveira, G., e Souza, K.D.S., Diniz-Filho, J.A.F. and Nabout, J.C., 2018. Geographical patterns in climate and agricultural technology drive soybean productivity in Brazil. *PloS one*, 13(1), p.e0191273.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0191273>

de Almeida Salles, L., Lima, J.E.F.W., Roig, H.L. and Malaquias, J.V., 2018. Environmental factors and groundwater behavior in an agricultural experimental basin of the Brazilian central plateau. *Applied Geography*, 94, pp.272-281.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622817309517>

Hu, Q., Ma, Y., Xu, B., Song, Q., Tang, H. and Wu, W., 2018. Estimating Sub-Pixel Soybean Fraction from Time-Series MODIS Data Using an Optimized Geographically Weighted Regression Model. *Remote Sensing*, 10(4), p.491.
<https://www.mdpi.com/2072-4292/10/4/491>

Lagona, M.C., Geographical Equity of the EU's Agricultural Subsidies in Belgium.

<http://unigis.sbg.ac.at/files/Mastertheses/Full/103839.pdf>

Yu, T.E., Lambert, D.M., Cho, S.H., Koc, A.A., Boluk, G. and Kim, S.G., 2017. A spatial analysis of the relationship between agricultural output and input factors in Turkey. *New Medit*, 16(1), pp.11-17.

http://newmedit.iamb.it/share/img_new_medit_articoli/1089_11yu.pdf

Huddy, A.J., 2016. Farming Alone: Factors Influencing Farmland Conversion Along the Rural Urban Fringe.

<https://opencommons.uconn.edu/dissertations/1237/>

Emamgholizadeh, S., Shahsavani, S. and Eslami, M.A., 2017. Comparison of artificial neural networks, geographically weighted regression and Cokriging methods for predicting the spatial distribution of soil macronutrients (N, P, and K). *Chinese Geographical Science*, 27(5), pp.747-759.

<https://link.springer.com/article/10.1007/s11769-017-0906-6>

Haghighattalab, A., Crain, J., Mondal, S., Rutkoski, J., Singh, R.P. and Poland, J., 2017. Application of geographically weighted regression to improve grain yield prediction from unmanned aerial system imagery. *Crop Science*, 57(5), pp.2478-2489.

<https://dl.sciencesocieties.org/publications/cs/abstracts/57/5/2478>

Scudiero, E., Corwin, D.L., Wienhold, B.J., Bosley, B., Shanahan, J.F. and Johnson, C.K., 2016. Downscaling Landsat 7 canopy reflectance employing a multi-soil sensor platform. *Precision agriculture*, 17(1), pp.53-73.

<https://link.springer.com/article/10.1007/s11119-015-9406-9>

Clary, C., Lewis, D.J., Flint, E., Smith, N.R., Kestens, Y. and Cummins, S., 2016. The local food environment and fruit and vegetable intake: a geographically weighted regression approach in the ORiEL Study. *American journal of epidemiology*, 184(11), pp.837-846.

<https://academic.oup.com/aje/article/184/11/837/2527526>

Gocer, K., 2014. Analysis of changes in grain production on fruit and vegetable cultivation areas in Turkey through geographically weighted regression. *Scientific Research and Essays*, 9(12), pp.540-547.

<https://academicjournals.org/journal/SRE/article-abstract/8FCC67B45689>

Wu, L., Hou, X. and Xu, X., 2014. Analysis of spatial pattern of farmland and its impacting factors in coastal zone of Circum Bohai. *Transactions of the Chinese Society of Agricultural Engineering*, 30(9), pp.1-10.

<https://www.ingentaconnect.com/content/tcsae/tcsae/2014/00000030/00000009/art00001>

Jiang, Z. and Xu, B., 2014. Geographically weighted regression analysis of the spatially varying relationship between farming viability and contributing factors in Ohio. *Regional Science Policy & Practice*, 6(1), pp.69-83.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/rsp3.12028>

Manca, G., Attaway, D.F. and Waters, N., 2014. Program assessment and the EU's agrienvironmental Measure 214: An investigation of the spatial dynamics of agrienvironmental policies in Sardinia, Italy. *Applied Geography*, 50, pp.24-30.

<https://www.sciencedirect.com/science/article/abs/pii/S014362281400023X>

Sang, N., Dramstad, W.E. and Bryn, A., 2014. Regionality in Norwegian farmland abandonment: Inferences from production data. *Applied Geography*, 55, pp.238-247.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622814002252>

Cai, R., Yu, D. and Oppenheimer, M., 2012. Estimating the effects of weather variations on corn yields using geographically weighted panel regression. *Unpublished, Manuscript*.

<https://pdfs.semanticscholar.org/b385/65bc3cc91e5becff9718d23faa419fde4553.pdf>

Cai, R., Yu, D. and Oppenheimer, M., 2014. Estimating the spatially varying responses of corn yields to weather variations using geographically weighted panel regression. *Journal of Agricultural and Resource Economics*, pp.230-252.

https://www.jstor.org/stable/pdf/44131327.pdf?casa_token=0P3qbw-Bkq8AAAAA:qz78hLv1VZ-mFF-QvQFBHmncbwMf9esHe-2GjxTBXa5ScaK_ScMOUn-Utq_7AFaiuYDzu3qzwXYy7brxrIG95eqQMx-rYee-7kGkRAbbCeRedAMayCk

Xu, B. and Jiang, Z., 2013, June. Spatial analysis of farming viability and its contributing factors in California. In *Geoinformatics (GEOINFORMATICS), 2013 21st International Conference on* (pp. 1-7). IEEE.

<https://ieeexplore.ieee.org/abstract/document/6626184>

Imran, M., Zurita-Milla, R. and Stein, A., 2013. Modeling crop yield in West-African rainfed agriculture using global and local spatial regression. *Agronomy journal*, 105(4), pp.1177-1188.

<https://dl.sciencesocieties.org/publications/aj/abstracts/105/4/1177>

Montesor, E., Pecci, F. and Pontarollo, N., 2011. The convergence process of the European regions: the role of Regional Policy and the Common Agricultural Policy. *Studies in Agricultural Economics*, 113(2), pp.167-177.

https://www.researchgate.net/profile/Nicola_Pontarollo/publication/227367320_The_convergence_process_of_the_European_regions_The_roles_of_Regional_Policy_and_the_Common_Agricultural_Policy/links/543815790cf2d6698bdd2305/The-convergence-process-of-the-European-regions-The-roles-of-Regional-Policy-and-the-Common-Agricultural-Policy.pdf

Bocci, C., Petrucci, A. and Rocco, E., 2006. Geographically weighted regression for small area estimation: An agricultural case study. In *Proceedings of the XLIII Scientific Meeting of Italian Statistical Society* (pp. 615-618).

http://www.old.sis-statistica.org/files/pdf/atti/Spontanee%202006_615-618.pdf

Taus, A., Ogneva-Himmelberger, Y. and Rogan, J., 2013. Conversion to organic farming in the continental United States: A geographically weighted regression analysis. *The Professional Geographer*, 65(1), pp.87-102.

<https://www.tandfonline.com/doi/abs/10.1080/00330124.2011.639634>

Crowley, C. and Walsh, J., A Local Regression Analysis of Irish Farm Census Data.
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.309.4760&rep=rep1&type=pdf>

Kang, D.W., Kim, M.Y., Cho, D.H. and Lee, S.W., 2010. The effects of Urban Development Pressure on Agricultural Land Price; Application of a Mixed GWR Model. *Journal of Rural Development*, 33(4), p.63083.
https://ageconsearch.umn.edu/bitstream/174483/2/33_4_3.pdf

Sassi, M. and Pecci, F., 2008, August. Agricultural and economic convergence in the EU integration process: do geographical relationships matter. In *XIIth EAAE Congress, Ghent*.
<https://core.ac.uk/download/pdf/6553590.pdf>

Montresor, E. and Pecci, F., 2005. An Exploratory Spatial Data Analysis for Detecting the Indicators for Assessing the Decoupling Schemes. *Modelling agricultural policies, state of the art and new challenges (edited by Filippo Arfini)*, MUP Editore, Parma.
<https://ageconsearch.umn.edu/bitstream/234625/2/Montresor%20et%20al%202005%20An%20Exploratory%20Spatial%20Data%20Analysis%20for%20Detecting%20the%20Indicators%20for%20Assessing%20the%20Decoupling%20Schemes.pdf>

BLANCO-MORENO, J.M., Chamorro, L., Izquierdo, J., Masalles, R.M. and Sans, F.X., 2008. Modelling within-field spatial variability of crop biomass–weed density relationships using geographically weighted regression. *Weed research*, 48(6), pp.512-522.
<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1365-3180.2008.00664.x>

Olgun, M. and Erdogan, S., 2009. Modeling crop yield potential of Eastern Anatolia by using geographically weighted regression. *Archives of Agronomy and Soil Science*, 55(3) , pp.255-263.
<https://www.tandfonline.com/doi/abs/10.1080/03650340802478807>

Bocci, C., Petrucci, A. and Rocco, E., 2006. An application of geographically weighted regression to agricultural data for small area estimates. *Dipartimento di Statistica “G. Parenti*.
https://www.researchgate.net/profile/Emilia_Rocco/publication/266350920_An_application_of_Geographically_Weighted_Regression_to_Agricultural_Data_for_Small_Area_Estimates/links/5ef0b5508aedecb68fd9403.pdf

Laderach, P., Vaast, P., Oberthür, T., O’Brien, R., Nelson, A. and Estrada, L.D.L., 2006. Geographical analyses to explore interactions between inherent coffee quality and production environment. In *21st International Conference of Coffee Science ASIC*.
<http://csusap.csu.edu.au/~robrien/papers/LaederachEtAl2006.pdf>

Zhang, H., Guo, L., Chen, J., Fu, P., Gu, J. and Liao, G., 2014. Modeling of spatial distributions of farmland density and its temporal change using geographically weighted regression model. *Chinese geographical science*, 24(2), pp.191-204.
<https://link.springer.com/article/10.1007/s11769-013-0631-8>

Rincón-Ruiz, A., Pascual, U. and Flantua, S., 2013. Examining spatially varying relationships between coca crops and associated factors in Colombia, using geographically weight regression. *Applied Geography*, 37, pp.23-33.

<https://www.sciencedirect.com/science/article/pii/S0143622812001105>

Schwartz, R.M., 2010. Rail transport, agrarian crisis, and the restructuring of agriculture: France and Great Britain confront globalization, 1860–1900. *Social Science History*, 34(2), pp.229-255.

<https://www.cambridge.org/core/journals/social-science-history/article/rail-transport-agrarian-crisis-and-the-restructuring-of-agriculture/B4085C527947439020DDDEB01610F0BD>

Su, S. and Xiao, R., 2013. Spatially varying determinants of farmland conversion across Qiantang watershed, China. *Environmental management*, 52(4), pp.907-916.

<https://link.springer.com/article/10.1007/s00267-013-0141-6>

Song, P., Huang, J. and Mansaray, L.R., 2019. An improved surface soil moisture downscaling approach over cloudy areas based on geographically weighted regression. *Agricultural and Forest Meteorology*, 275, pp.146-158.

<https://doi.org/10.1016/j.agrformet.2019.05.022>

Wen, F., Zhao, W., Wang, Q. and Sánchez, N., 2019. A Value-Consistent Method for Downscaling SMAP Passive Soil Moisture With MODIS Products Using Self-Adaptive Window. *IEEE Transactions on Geoscience and Remote Sensing*, 58(2), pp.913-924.

<https://doi.org/10.1109/TGRS.2019.2941696>

Shiu, Y.S. and Chuang, Y.C., 2019. Yield Estimation of Paddy Rice Based on Satellite Imagery: Comparison of Global and Local Regression Models. *Remote Sensing*, 11(2), p.111.

<https://doi.org/10.3390/rs11020111>

Guo, L., Shi, T., Linderman, M., Chen, Y., Zhang, H. and Fu, P., 2019. Exploring the influence of spatial resolution on the digital mapping of soil organic carbon by airborne hyperspectral VNIR imaging. *Remote Sensing*, 11(9), p.1032.

<https://doi.org/10.3390/rs11091032>

Chen, S., Xiong, L., Ma, Q., Kim, J.S., Chen, J. and Xu, C.Y., 2020. Improving daily spatial precipitation estimates by merging gauge observation with multiple satellite-based precipitation products based on the geographically weighted ridge regression method. *Journal of Hydrology*, 589, p.125156.

<https://doi.org/10.1016/j.jhydrol.2020.125156>

Wu, C., Liu, Q., Ma, G., Liu, G., Yu, F., Huang, C., Zhao, Z. and Liang, L., 2019. A Study of the Spatial Difference of the Soil Quality of The Mun River Basin during the Rainy Season. *Sustainability*, 11(12), p.3423.

<https://doi.org/10.3390/su11123423>

Zhang, C.T. and Yang, Y., 2019. Can the spatial prediction of soil organic matter be improved by incorporating multiple regression confidence intervals as soft data into BME method?. *Catena*, 178, pp.322-334.

<https://doi.org/10.1016/j.catena.2019.03.027>

Jiao, W., Wang, L., Novick, K.A. and Chang, Q., 2019. A new station-enabled multi-sensor integrated index for drought monitoring. *Journal of Hydrology*, 574, pp.169-180.

<https://doi.org/10.1016/j.jhydrol.2019.04.037>

Marques, I.G., Nascimento, J., Cardoso, R.M., Miguéns, F., De Melo, M.T.C., Soares, P.M., Gouveia, C.M. and Besson, C.K., 2019. Mapping the suitability of groundwater-dependent vegetation in a semi-arid Mediterranean area. *Hydrology and Earth System Sciences*, 23(9), pp.3525-3552.

<https://doi.org/10.5194/hess-23-3525-2019>

Wang, S., Adhikari, K., Zhuang, Q., Yang, Z., Jin, X., Wang, Q. and Bian, Z., 2020. An improved similarity-based approach to predicting and mapping soil organic carbon and soil total nitrogen in a coastal region of northeastern China. *PeerJ*, 8, p.e9126.

<https://peerj.com/articles/9126/>

Wang, S., Chen, J., Rao, Y., Liu, L., Wang, W. and Dong, Q., 2020. Response of winter wheat to spring frost from a remote sensing perspective: Damage estimation and influential factors. *ISPRS Journal of Photogrammetry and Remote Sensing*, 168, pp.221-235.

<https://doi.org/10.1016/j.isprsjprs.2020.08.014>

TENG, H.F., Jie, H.U., Yue, Z.H.O.U., ZHOU, L.Q. and Zhou, S.H.I., 2019. Modelling and mapping soil erosion potential in China. *Journal of integrative agriculture*, 18(2), pp.251-264.

[https://doi.org/10.1016/S2095-3119\(18\)62045-3](https://doi.org/10.1016/S2095-3119(18)62045-3)

Li, M., Wang, J. and Chen, Y., 2019. Evaluation and influencing factors of sustainable development capability of agriculture in countries along the Belt and Road route. *Sustainability*, 11(7), p.2004.

<https://doi.org/10.3390/su11072004>

Lamichhane, S., Kumar, L. and Wilson, B., 2019. Digital soil mapping algorithms and covariates for soil organic carbon mapping and their implications: A review. *Geoderma*, 352, pp.395-413.

<https://doi.org/10.1016/j.geoderma.2019.05.031>

Qu, M., Chen, J., Huang, B. and Zhao, Y., 2020. Exploring the spatially varying relationships between cadmium accumulations and the main influential factors in the rice-wheat rotation system in a large-scale area. *Science of The Total Environment*, p.139565.

<https://doi.org/10.1016/j.scitotenv.2020.139565>

Al Shidi, R.H., Kumar, L., Al-Khatri, S.A. and Al-Ajmi, N.A., 2019. *Ommatissus lybicus* Infestation in Relation to Spatial Characteristics of Date Palm Plantations in Oman. *Agriculture*, 9(3), p.50.

<https://doi.org/10.3390/agriculture9030050>

Guerrero-Cabrera, L., Olivera, B.C.L., Villavicencio-Pulido, J.G. and Luna, R.J.O., 2020. Proximity and density of neighboring farms and water supply, as risk factors for bacteriosis: A case study of spatial risk analysis in tilapia and rainbow trout farms of Oaxaca, Mexico. *Aquaculture*, 520, p.734955.

<https://doi.org/10.1016/j.aquaculture.2020.734955>

Trevisan, R.G., Bullock, D.S. and Martin, N.F., 2020. Spatial variability of crop responses to agronomic inputs in on-farm precision experimentation. *Precision Agriculture*.

<https://link.springer.com/article/10.1007/s11119-020-09720-8>

Chen, Y., Li, M., Su, K. and Li, X., 2019. Spatial-Temporal Characteristics of the Driving Factors of Agricultural Carbon Emissions: Empirical Evidence from Fujian, China. *Energies*, 12(16), p.3102.

<https://doi.org/10.3390/en12163102>

Harris, P., Lanfranco, B., Lu, B. and Comber, A., 2020. Influence of Geographical Effects in Hedonic Pricing Models for Grass-Fed Cattle in Uruguay. *Agriculture*, 10(7), p.299.

<https://doi.org/10.3390/agriculture10070299>

Funes, I., Savé, R., Rovira, P., Molowny-Horas, R., Alcañiz, J.M., Ascaso, E., Herms, I., Herrero, C., Boixadera, J. and Vayreda, J., 2019. Agricultural soil organic carbon stocks in the north-eastern Iberian Peninsula: Drivers and spatial variability. *Science of the total environment*, 668, pp.283-294.

<https://doi.org/10.1016/j.scitotenv.2019.02.317>

Segarra, J., González-Torrallba, J., Aranjuelo, Í., Araus, J.L. and Kefauver, S.C., 2020. Estimating Wheat Grain Yield Using Sentinel-2 Imagery and Exploring Topographic Features and Rainfall Effects on Wheat Performance in Navarre, Spain. *Remote Sensing*, 12(14), p.2278.

<https://doi.org/10.3390/rs12142278>

Al Kindi, K.M., Kwan, P., Andrew, N.R. and Welch, M., 2019. Modelling the potential effects of climate factors on Dubas bug (*Ommatissus lybicus*) presence/absence and its infestation rate: A case study from Oman. *Pest Management Science*, 75(11), pp.3039-3049.

<https://doi.org/10.1002/ps.5420>

Bian, Z., Guo, X., Wang, S., Zhuang, Q., Jin, X., Wang, Q. and Jia, S., 2019. Applying statistical methods to map soil organic carbon of agricultural lands in northeastern coastal areas of China. *Archives of Agronomy and Soil Science*.

<https://doi.org/10.1080/03650340.2019.1626983>

Pätzold, S., Hbirkou, C., Dicke, D., Gerhards, R. and Welp, G., 2019. Linking weed patterns with soil properties: a long-term case study. *Precision Agriculture*, pp.1-20.

<https://link.springer.com/article/10.1007%2Fs11119-019-09682-6>

Bullock, D.S., Boerngen, M., Tao, H., Maxwell, B., Luck, J.D., Shiratsuchi, L., Puntel, L. and Martin, N.F., 2019. The Data-Intensive Farm Management Project: Changing Agronomic Research Through On-Farm Precision Experimentation. *Agronomy Journal*, 111(6), pp.2736-2746.

<https://doi.org/10.2134/agronj2019.03.0165>

Zheng, X., Qin, L. and He, H., 2020. Impacts of Climatic and Agricultural Input Factors on the Water Footprint of Crop Production in Jilin Province, China. *Sustainability*, 12(17), p.6904.

<https://doi.org/10.3390/su12176904>

Matcham, E.G., Hamman, W.P., Hawkins, E.M., Fulton, J.P., Subburayalu, S. and Lindsey, L.E., 2020. Soil and terrain properties that predict differences in local ideal seeding rate for soybean. *Agronomy Journal*.

<https://doi.org/10.1002/agj2.20179>

Roznik, M., Porth, C.B., Porth, L., Boyd, M. and Roznik, K., 2019. Improving agricultural microinsurance by applying universal kriging and generalised additive models for interpolation of mean daily temperature. *The Geneva Papers on Risk and Insurance-Issues and Practice*, 44(3), pp.446-480.

<https://link.springer.com/article/10.1057/s41288-019-00127-9>

Singh, K. and Whelan, B., 2020. Soil carbon change across ten New South Wales farms under different farm management regimes in Australia. *Soil Use and Management*, 36(4), pp.616-632.

<https://doi.org/10.1111/sum.12590>

Qu, M., Chen, J., Huang, B. and Zhao, Y., 2020. Exploring the spatially varying relationships between cadmium accumulations and the main influential factors in the rice-wheat rotation system in a large-scale area. *Science of The Total Environment*, p.139565.

<https://doi.org/10.1016/j.scitotenv.2020.139565>

Li, H., Xie, M., Wang, H., Li, S. and Xu, M., 2020. Spatial Heterogeneity of Vegetation Response to Mining Activities in Resource Regions of Northwestern China. *Remote Sensing*, 12(19), p.3247.

<https://doi.org/10.3390/rs12193247>

Evans, F.H., Recalde Salas, A., Rakshit, S., Scanlan, C.A. and Cook, S.E., 2020. Assessment of the use of geographically weighted regression for analysis of large On-Farm experiments and implications for practical application. *Agronomy*, 10(11), p.1720.

<https://doi.org/10.3390/agronomy10111720>

Xu, H. and Zhang, C., 2021. Investigating spatially varying relationships between total organic carbon contents and pH values in European agricultural soil using geographically weighted regression. *Science of The Total Environment*, 752, p.141977.

<https://doi.org/10.1016/j.scitotenv.2020.141977>

Xie, E., Zhang, Y., Huang, B., Zhao, Y., Shi, X., Hu, W. and Qu, M., 2021. Spatiotemporal variations in soil organic carbon and their drivers in southeastern China during 1981-2011. *Soil and Tillage Research*, 205, p.104763.

<https://doi.org/10.1016/j.still.2020.104763>

Ma, L., Long, H., Tang, L., Tu, S., Zhang, Y. and Qu, Y., 2021. Analysis of the spatial variations of determinants of agricultural production efficiency in China. *Computers and Electronics in Agriculture*, 180, p.105890.

<https://doi.org/10.1016/j.compag.2020.105890>

Sakizadeh, M. and Martín, J.A.R., 2021. Spatial methods to analyze the relationship between Spanish soil properties and cadmium content. *Chemosphere*, 268, p.129347.

<https://doi.org/10.1016/j.chemosphere.2020.129347>

Wang, X., Yang, C. and Zhou, M., 2021. Partial Least Squares Improved Multivariate Adaptive Regression Splines for Visible and Near-Infrared-Based Soil Organic Matter Estimation Considering Spatial Heterogeneity. *Applied Sciences*, 11(2), p.566.

<https://doi.org/10.3390/app11020566>

Li, S., Xie, Y., Yang, Z., Lu, Y. and Li, H., 2021. Examining winter fallow farmland from space and geography: a case study in Guizhou, China. *Journal of Spatial Science*, 66(1), pp.163-178.

<https://doi.org/10.1080/14498596.2019.1578273>

Koutsos, T.M., Menexes, G.C. and Mamolos, A.P., 2021. The Use of Crop Yield Autocorrelation Data as a Sustainable Approach to Adjust Agronomic Inputs. *Sustainability*, 13(4), p.2362.

<https://doi.org/10.3390/su13042362>

Wu, C., Dai, E., Zhao, Z., Wang, Y. and Liu, G., 2021. Soil-Quality Assessment during the Dry Season in the Mun River Basin Thailand. *Land*, 10(1), p.61.

<https://doi.org/10.3390/land10010061>

Wang, Y., Liu, G., Zhao, Z. and Wu, C., 2021. Assessment of coastal soil fertility based on environmental impact: a case study in the Yellow River Delta, China. *Journal of Coastal Conservation*, 25(3), pp.1-13.

<https://link.springer.com/article/10.1007/s11852-021-00823-6>

Shan, M., Liang, S., Fu, H., Li, X., Teng, Y., Zhao, J., Liu, Y., Cui, C., Chen, L., Yu, H. and Yu, S., 2021. Spatial prediction of soil calcium carbonate content based on Bayesian maximum entropy using environmental variables. *Nutrient Cycling in Agroecosystems*, pp.1-14.

<https://link.springer.com/article/10.1007/s10705-021-10135-8>

Chen, J., Qu, M., Zhang, J., Xie, E., Zhao, Y. and Huang, B., Improving the spatial prediction accuracy of soil alkaline hydrolyzable nitrogen using geographically weighted principal component analysis-geographically weighted regression kriging (GWPCA-GWRK). *Soil Science Society of America Journal*.

<https://doi.org/10.1002/saj2.20189>

Alesso, C.A., Cipriotti, P.A., Bollero, G.A. and Martin, N.F., 2021. Design of on-farm precision experiments to estimate site-specific crop responses. *Agronomy Journal*, 113(2), pp.1366-1380.

<https://doi.org/10.1002/agj2.20572>

Han, J., Qu, J., Maraseni, T.N., Xu, L., Zeng, J. and Li, H., 2021. A critical assessment of provincial-level variation in agricultural GHG emissions in China. *Journal of Environmental Management*, 296, p.113190.

<https://doi.org/10.1016/j.jenvman.2021.113190>

Li, Y., Zhou, T., Jiang, G., Li, G., Zhou, D. and Luo, Y., 2021. Spatial pattern and mechanisms of farmland abandonment in Agricultural and Pastoral Areas of Qingzang Plateau. *Geography and Sustainability*.

<https://doi.org/10.1016/j.geosus.2021.06.003>

Fang, W., Huang, H., Yang, B. and Hu, Q., 2021. Factors on Spatial Heterogeneity of the Grain Production Capacity in the Major Grain Sales Area in Southeast China: Evidence from 530 Counties in Guangdong Province. *Land*, 10(2), p.206.

<https://doi.org/10.3390/land10020206>

Archaeology:

Löwenborg, D., 2009. Using geographically weighted regression to predict site representativity. In *Making History Interactive, Proceedings of CAA Conference, 37th Annual Meeting, Williamsburg, Virginia* (pp. 203-215).

https://publikationen.unituebingen.de/xmlui/bitstream/handle/10900/61897/26_Lowenborg_CA_A2009.pdf?sequence=2

Cartography and Geovisualization:

Demsar, U., Fotheringham, S. and Charlton, M., 2007. Employing a geovisual exploratory post-analysis for interpretation of results of a spatial statistical method.

<http://eprints.maynoothuniversity.ie/5820/>

Cromley, R.G., Hanink, D.M. and Lin, J., 2013. Developing Choropleth Maps of Parameter Results for Quantile Regression. *Cartographica: The International Journal for Geographic Information and Geovisualization*, 48(3), pp.177-188.

<https://www.utpjournals.press/doi/abs/10.3138/carto.48.3.1564>

Yasin, H., Warsito, B., Ispriyanti, D. and Hoyyi, A., 2017. Komputasi Metode Mixed Geographically Weighted Regression Menggunakan Graphical User Interface (GUI). <http://eprints.undip.ac.id/58237/>

Corona, P., Fattorini, L., Franceschi, S., Chirici, G., Maselli, F. and Secondi, L., 2014. Mapping by spatial predictors exploiting remotely sensed and ground data: A comparative design-based perspective. *Remote sensing of environment*, 152, pp.29-37. <https://www.sciencedirect.com/science/article/abs/pii/S0034425714001990>

Brunsdon, C., Fotheringham, A.S. and Charlton, M.E., 1998. An investigation of methods for visualising highly multivariate datasets. *Case Studies of Visualization in the Social Sciences*, pp.55-80. <http://www.agocg.ac.uk/sosci/casestudies/brunsdon/brunsdon.pdf>

Foley, P. and Demšar, U., Towards Using Geovisual Analytics to Interpret the Output of Geographically Weighted Discriminant Analysis. <http://www.geocomputation.org/2011/papers/foley.pdf>

Demšar, U., Fotheringham, S., Charlton, M. and Crespo, R., 2008. Combining Geographically Weighted Regression and Geovisual Analytics to investigate temporal variations in house price determinants across London in the period 1980-1998. <http://eprints.maynoothuniversity.ie/5863/>

Foley, P. and Demšar, U., 2013. Using geovisual analytics to compare the performance of Geographically Weighted Discriminant Analysis versus its global counterpart, Linear Discriminant Analysis. *International Journal of Geographical Information Science*, 27(4), pp.633-661. <https://www.tandfonline.com/doi/abs/10.1080/13658816.2012.722638>

Burke, T., 2016. *Evaluation of visualisations of geographically weighted regression, with perceptual stability* (Doctoral dissertation, University of St Andrews). <https://research-repository.st-andrews.ac.uk/handle/10023/15680>

Demšar, U., Fotheringham, A.S., Charlton, M. and Crespo, R., 2008. Combining geographically weighted regression and geovisual analytics to investigate temporal variations in house price determinants across London in the period 1980–1998. In *ICA Visualisation Workshop at the AGILE 2008 conference, 'GeoVisualization of Dynamics, Movement and Change*. <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.211.7756&rep=rep1&type=pdf>

Wheeler, D., 2008. Visualizing and diagnosing output from geographically weighted regression models. *Public Health*, pp.1-38. https://www.sph.emory.edu/departments/bios/documents/techdocs/2008/Tech_Report_08-02.pdf

Mennis, J., 2006. Mapping the results of geographically weighted regression. *The Cartographic Journal*, 43(2), pp.171-179.

<https://www.tandfonline.com/doi/abs/10.1179/000870406X114658>

Matthews, S.A. and Yang, T.C., 2012. Mapping the results of local statistics: Using geographically weighted regression. *Demographic research*, 26, p.151.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4286400/>

Dykes, J. and Brunson, C., 2007. Geographically weighted visualization: interactive graphics for scale-varying exploratory analysis. *IEEE Transactions on Visualization and Computer Graphics*, 13(6), pp.1161-1168.

<https://ieeexplore.ieee.org/abstract/document/4376135>

Cho, S., Lambert, D.M., Kim, S.G. and Jung, S., 2009. Extreme coefficients in geographically weighted regression and their effects on mapping. *GIScience & Remote Sensing*, 46(3), pp.273-288.

https://www.tandfonline.com/doi/abs/10.2747/15481603.46.3.273?casa_token=T64M4LurlvQAAAA:Y44iamBUdfWhN_Kz7iFEuMcmlydMtF0SFa6l5vVd0pltP09xIoEXL69IECPqD7dcYwRg0Nvkbjn

Demšar, U., Fotheringham, A.S. and Charlton, M., 2008. Exploring the spatio-temporal dynamics of geographical processes with geographically weighted regression and geovisual analytics. *Information Visualization*, 7(3-4), pp.181-197.

https://journals.sagepub.com/doi/abs/10.1057/PALGRAVE.IVS.9500187?casa_token=BPCFRduLJZIAAAA%3APf9fInSAvzy2MCOgDGrmg-Zm3fYJLPGQE1F0fuvhQuptrHzYFoLOtTd1XhhrSmYG-hfKYUnXIFLE

Demšar, U., Fotheringham, S.A. and Charlton, M., 2008. Combining geovisual analytics with spatial statistics: the example of geographically weighted regression. *The Cartographic Journal*, 45(3), pp.182-192.

<https://www.tandfonline.com/doi/abs/10.1179/000870408X311378>

Balakrishnan, K., 2020. A method for urban population density prediction at 30m resolution. *Cartography and Geographic Information Science*, 47(3), pp.193-213.

<https://doi.org/10.1080/15230406.2019.1687014>

Lu, M., Wu, W., You, L., See, L., Fritz, S., Yu, Q., Wei, Y., Chen, D., Yang, P. and Xue, B., 2020. A cultivated planet in 2010—Part 1: The global synergy cropland map. *Earth System Science Data*, 12(3), pp.1913-1928.

<https://essd.copernicus.org/articles/12/1913/2020/>

da Silveira, C.B., Strenzel, G.M., Maida, M., Araújo, T.C. and Ferreira, B.P., 2020. Multiresolution Satellite-Derived Bathymetry in Shallow Coral Reefs: Improving Linear Algorithms with Geographical Analysis. *Journal of Coastal Research*, 36(6), pp.1247-1265.

<https://doi.org/10.2112/JCOASTRES-D-19-00029.1>

Community:

Yoon, D.K., Kang, J.E. and Brody, S.D., 2016. A measurement of community disaster resilience in Korea. *Journal of Environmental Planning and Management*, 59(3), pp.436-460.

https://www.tandfonline.com/doi/abs/10.1080/09640568.2015.1016142?casa_token=q1joVUnfgRkAAAAA:ebimTZ9AzeMky4xKm0SGYvze4xT4GK31rdRpa8t4DnryJtFPGxKUrFNiMqDrZr2m0xaji52iyg5G

Li, X., Wang, L. and Liu, S., 2016. Geographical analysis of community resilience to seismic hazard in Southwest China. *International Journal of Disaster Risk Science*, 7(3), pp.257-276.

<https://link.springer.com/article/10.1007/s13753-016-0091-8>

Jarzyna, M.A., Finley, A.O., Porter, W.F., Maurer, B.A., Beier, C.M. and Zuckerberg, B., 2014. Accounting for the space-varying nature of the relationships between temporal community turnover and the environment. *Ecography*, 37(11), pp.1073-1083.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ecog.00747>

Shing, H., 2008. *Incorporating the Concept of community'Into a Spatially-weighted Local Regression Analysis* (Doctoral dissertation, University of New Brunswick, Department of Geodesy and Geomatics Engineering).

<http://www2.unb.ca/gge/Pubs/TR256.pdf>

Wang, C.H. and Chen, N., 2017. A geographically weighted regression approach to investigating the spatially varied built-environment effects on community opportunity. *Journal of Transport Geography*, 62, pp.136-147.

<https://www.sciencedirect.com/science/article/abs/pii/S0966692316307232>

Rifat, S.A.A. and Liu, W., 2020. Measuring Community Disaster Resilience in the Conterminous Coastal United States. *ISPRS International Journal of Geo-Information*, 9(8), p.469.

<https://doi.org/10.3390/ijgi9080469>

Sung, C.H. and Liaw, S.C., 2020. A GIS Approach to Analyzing the Spatial Pattern of Baseline Resilience Indicators for Community (BRIC). *Water*, 12(5), p.1401.

<https://doi.org/10.3390/w12051401>

Petrović, A., Manley, D. and van Ham, M., 2020. Freedom from the tyranny of neighbourhood: Rethinking sociospatial context effects. *Progress in human geography*, 44(6), pp.1103-1123.

<https://doi.org/10.1177/0309132519868767>

Sarkar, D., Chapman, C.A., Valenta, K., Angom, S.C., Kagoro, W. and Sengupta, R., 2019. A Tiered Analysis of Community Benefits and Conservation Engagement from the Makerere University Biological Field Station, Uganda. *The Professional Geographer*, 71(3), pp.422-436.

<https://doi.org/10.1080/00330124.2018.1547976>

Donnelly, E.A., Wagner, J., Stenger, M., Cortina, H.G., O'Connell, D.J. and Anderson, T.L., 2021. Opioids, race, and drug enforcement: Exploring local relationships between neighborhood context and Black–White opioid-related possession arrests. *Criminal Justice Policy Review*, 32(3), pp.219-244.
<https://doi.org/10.1177/0887403420911415>

Liu, S., Liu, Y., Zhang, R., Cao, Y., Li, M., Zikirya, B. and Zhou, C., 2021. Heterogeneity of Spatial Distribution and Factors Influencing Unattended Locker Points in Guangzhou, China: The Case of Hive Box. *ISPRS International Journal of Geo-Information*, 10(6), p.409.
<https://doi.org/10.3390/ijgi10060409>

Crime:

Malczewski, J., Poetz, A. and Iannuzzi, L., 2004. Spatial analysis of residential burglaries in London, Ontario. *The Great Lakes Geographer*, 11(1), pp.15-27.
http://geography.uwo.ca/research/the_great_lakes_geographer/docs/Volume%2011/2_Malcz_etal.pdf

Fontes, K.B., Alarcão, A.C.J., Nihei, O.K., Pelloso, S.M., Andrade, L. and de Barros Carvalho, M.D., 2018. Regional disparities in the intimate partner sexual violence rate against women in Paraná State, Brazil, 2009-2014: an ecological study. *BMJ open*, 8(2), p.e018437.
<https://bmjopen.bmj.com/content/8/2/e018437.abstract>

Smith, T.A. and Sandoval, J.S., 2019. Examining the Local Spatial Variability of Robberies in Saint Louis Using a Multi-Scale Methodology. *Social Sciences*, 8(2), p.50.
<https://www.mdpi.com/2076-0760/8/2/50>

Wang, L., Lee, G. and Williams, I., 2019. The Spatial and Social Patterning of Property and Violent Crime in Toronto Neighbourhoods: A Spatial-Quantitative Approach. *ISPRS International Journal of Geo-Information*, 8(1), p.51.
<https://www.mdpi.com/2220-9964/8/1/51>

Ye, C., Chen, Y. and Li, J., 2018. Investigating the Influences of Tree Coverage and Road Density on Property Crime. *ISPRS International Journal of Geo-Information*, 7(3), p.101.
<https://www.mdpi.com/2220-9964/7/3/101>

Barrett, K.L., 2017. Exploring community levels of lead (Pb) and youth violence. *Sociological Spectrum*, 37(4), pp.205-222.
<https://www.tandfonline.com/doi/abs/10.1080/02732173.2017.1319307>

Petrossian, G.A., 2015. Preventing illegal, unreported and unregulated (IUU) fishing: A situational approach. *Biological Conservation*, 189, pp.39-48.
<https://www.sciencedirect.com/science/article/abs/pii/S0006320714003140>

- Chainey, S. and Ratcliffe, J., 2005. Spatial Statistics for Crime Analysis. *GIS and Crime Mapping*, pp.115-143.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/9781118685181.ch5>
- Stein, R.E., Conley, J.F. and Davis, C., 2016. The differential impact of physical disorder and collective efficacy: A geographically weighted regression on violent crime. *GeoJournal*, 81(3), pp.351-365.
<https://link.springer.com/article/10.1007/s10708-015-9626-6>
- Ristea, A., Andresen, M.A. and Leitner, M., 2018. Using tweets to understand changes in the spatial crime distribution for hockey events in Vancouver. *The Canadian Geographer/Le Géographe canadien*, 62(3), pp.338-351.
<https://onlinelibrary.wiley.com/doi/full/10.1111/cag.12463>
- Conley, J. and Stein, R., 2014. Spatial Analysis of Fear of Crime and Police Calls for Service: An Example and Implications for Community Policing. In *Forensic GIS* (pp. 155-172). Springer, Dordrecht.
https://link.springer.com/chapter/10.1007/978-94-017-8757-4_8
- Lersch, K.M. and Hart, T.C., 2014. Environmental justice, lead, and crime: exploring the spatial distribution and impact of industrial facilities in hillsborough county, Florida. *Sociological Spectrum*, 34(1), pp.1-21.
<https://www.tandfonline.com/doi/abs/10.1080/02732173.2014.857184>
- Troy, A., Grove, J.M. and O'Neil-Dunne, J., 2012. The relationship between tree canopy and crime rates across an urban–rural gradient in the greater Baltimore region. *Landscape and Urban Planning*, 106(3), pp.262-270.
<https://www.sciencedirect.com/science/article/pii/S0169204612000977>
- Jia, D., 2018. *SHOULD WE POLICE DISORDER? A LOCAL LEVEL EXAMINATION OF THE SPATIAL AND TEMPORAL ASPECTS OF THE BROKEN WINDOWS THEORY* (Doctoral dissertation).
<https://shsu-ir.tdl.org/handle/20.500.11875/2359>
- Ristea, A., Kounadi, O. and Leitner, M., 2018. Geosocial Media Data as Predictors in a GWR Application to Forecast Crime Hotspots (Short Paper). In *10th International Conference on Geographic Information Science (GIScience 2018)*. Schloss Dagstuhl-Leibniz-Zentrum fuer Informatik.
<http://drops.dagstuhl.de/opus/volltexte/2018/9384/>
- Wheeler, A. and Haberman, C., 2018. Modeling the Spatial Patterns of Intra-Day Crime Trends.
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3136030
- Kounadi, O., Ristea, A., Leitner, M. and Langford, C., 2018. Population at risk: using areal interpolation and Twitter messages to create population models for burglaries and robberies. *Cartography and geographic information science*, 45(3), pp.205-220.

<https://www.tandfonline.com/doi/abs/10.1080/15230406.2017.1304243>

Pak, M., Gülci, S. and Okumuş, A., 2018. A study on the use and modeling of geographical information system for combating forest crimes: an assessment of crimes in the eastern Mediterranean forests. *Environmental monitoring and assessment*, 190(2), p.62.

<https://link.springer.com/article/10.1007/s10661-017-6445-x>

Xu, Y.H., Pennington-Gray, L. and Kim, J., 2018. The Sharing Economy: A Geographically Weighted Regression Approach to Examine Crime and the Shared Lodging Sector. *Journal of Travel Research*, p.0047287518797197.

https://journals.sagepub.com/doi/abs/10.1177/0047287518797197?casa_token=FhNGQ7EurIQA AAAA:s_dZ1xOBJjf8aMn2H9WeqvdoLiN7FWrBHjOF1UlihTmKHIptOc7ypJP0K9RnKzkEeJC19XJ8ewDt

Becker, J.H., 2018. Within-Neighborhood Dynamics: Disadvantage, Collective Efficacy, and Homicide Rates in Chicago. *Social Problems*.

<https://academic.oup.com/socpro/advance-article/doi/10.1093/socpro/spy013/5054614>

de Maria André, D. and Carvalho, J.R., 2016. *Spatial Willingness to Pay for a First Order Stochastic Reduction on the Risk of Robbery*. ANPEC-Associação Nacional dos Centros de Pósgraduação em Economia [Brazilian Association of Graduate Programs in Economics].

https://www.anpec.org.br/encontro/2014/submissao/files_I/i10-48fca440daff16e656fd7350984c798a.pdf

Wang, H., Yao, H., Kifer, D., Graif, C. and Li, Z., 2017. Non-Stationary Model for Crime Rate Inference Using Modern Urban Data. *IEEE Transactions on Big Data*.

<https://ieeexplore.ieee.org/abstract/document/8234616>

Zakaria, S. and Rahman, N.A., 2017. Explorative Spatial Analysis of Crime Rates Among the District of Peninsular Malaysia: Geographically Weighted Regression. In *Proceedings of the International Conference on Computing, Mathematics and Statistics (iCMS 2015)* (pp. 145-156). Springer, Singapore.

https://link.springer.com/chapter/10.1007/978-981-10-2772-7_15

Chen, J., Liu, L., Zhou, S., Xiao, L. and Jiang, C., 2017. Spatial variation relationship between floating population and residential burglary: A case study from ZG, China. *ISPRS International Journal of Geo-Information*, 6(8), p.246.

<https://www.mdpi.com/2220-9964/6/8/246/htm>

Cameron, M.P., Cochrane, W., Gordon, C. and Livingston, M., 2016. Global and locally-specific relationships between alcohol outlet density and property damage: Evidence from New Zealand. *Australasian Journal of Regional Studies*, The, 22(3), p.331.

<https://search.informit.com.au/documentSummary;dn=511138111780539;res=IELAPA>

Nezami, S. and Khoramshahi, E., 2016, June. Spatial modeling of crime by using of GWR method. In *Geodetic Congress (Geomatics), Baltic* (pp. 222-227). IEEE.

<https://ieeexplore.ieee.org/abstract/document/7548033>

Chen, J., Liu, L., Zhou, S., Xiao, L., Song, G. and Ren, F., 2017. Modeling spatial effect in residential burglary: A case study from ZG city, China. *ISPRS International Journal of Geo-Information*, 6(5), p.138.

<https://www.mdpi.com/2220-9964/6/5/138/html>

Werb, D., Strathdee, S.A., Vera, A., Arredondo, J., Beletsky, L., Gonzalez-Zuniga, P. and Gaines, T., 2016. Spatial patterns of arrests, police assault and addiction treatment center locations in Tijuana, Mexico. *Addiction*, 111(7), pp.1246-1256.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/add.13350>

Walker, W.C., Sim, S. and Keys-Mathews, L., 2014. Use of geographically weighted regression on ecology of crime, response to hurricane in Miami, Florida. In *Forensic GIS* (pp. 245-262). Springer, Dordrecht.

https://link.springer.com/chapter/10.1007/978-94-017-8757-4_12

Liu, T.C., 2013. Exploring Influence and Spatial Heterogeneity of Urbanization Factors toward Thefts in Taiwan: Global and Local Regression Analysis. *Crime & Criminal Justice International*, 21.

<https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18104045&asa=Y&AN=97376999&h=VDAkyV3HOjHrPORKkejJLNTiUgZ%2bHXV5EMY9vx%2b%2fGyRcULTw94%2faJ3aBso6hbTyMqjxVpmLFeUdtaQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18104045%26asa%3dY%26AN%3d97376999>

Xiaobing, Y.A.N., Spatial non-stationarity of the factors affecting crime rate at province scale in China. *PROGRESS IN GEOGRAPHY*, 32(7), pp.1159-1166.

<http://www.progressing geography.com/EN/abstract/abstract14472.shtml>

Yu, P.H. and Lay, J.G., 2011, June. Exploring non-stationarity of local mechanism of crime events with spatial-temporal weighted regression. In *Spatial Data Mining and Geographical Knowledge Services (ICSDM), 2011 IEEE International Conference on* (pp. 7-12). IEEE.

<https://ieeexplore.ieee.org/abstract/document/5968120>

Doran, B.J. and Burgess, M.B., 2012. Future Avenues for Fear Mapping Fear mapping: Potential Applications and Improvements. In *Putting Fear of Crime on the Map* (pp. 251-267). Springer, New York, NY.

https://link.springer.com/chapter/10.1007/978-1-4419-5647-7_8

Han, D. and Gorman, D.M., 2013. Exploring spatial associations between on-sale alcohol availability, neighborhood population characteristics, and violent crime in a geographically isolated city. *Journal of addiction*, 2013.

<https://www.hindawi.com/journals/jad/2013/356152/abs/>

Song, W. and Liu, D., 2013. Exploring spatial patterns of property crime risks in Changchun, China. *International Journal of Applied Geospatial Research (IJAGR)*, 4(3), pp.80-100.
<https://www.igi-global.com/article/content/77926>

Wheeler, D.C. and Waller, L.A., Modeling spatial variation in the relationships between violence and alcohol and drug use: A comparison of geographically weighted regression and Bayesian spatially varying coefficient process models.
https://www.sph.emory.edu/departments/bios/documents/techdocs/2007/Tech_Report_07-09.pdf

Cahill, M. and Mulligan, G., 2007. Using geographically weighted regression to explore local crime patterns. *Social Science Computer Review*, 25(2), pp.174-193.
<https://journals.sagepub.com/doi/abs/10.1177/0894439307298925>

Vilalta, C.J., 2013. How exactly does place matter in crime analysis? Place, space, and spatial heterogeneity. *Journal of Criminal Justice Education*, 24(3), pp.290-315.
<https://www.tandfonline.com/doi/abs/10.1080/10511253.2012.715659>

Waller, L.A., Zhu, L., Gotway, C.A., Gorman, D.M. and Gruenewald, P.J., 2007. Quantifying geographic variations in associations between alcohol distribution and violence: a comparison of geographically weighted regression and spatially varying coefficient models. *Stochastic Environmental Research and Risk Assessment*, 21(5), pp.573-588.
<https://link.springer.com/article/10.1007/s00477-007-0139-9>

O'Loughlin, J. and Witmer, F.D., 2011. The localized geographies of violence in the North Caucasus of Russia, 1999–2007. *Annals of the Association of American Geographers*, 101(1), pp.178-201.
<https://www.tandfonline.com/doi/abs/10.1080/00045608.2010.534713>

Wheeler, D.C. and Waller, L.A., 2009. Comparing spatially varying coefficient models: a case study examining violent crime rates and their relationships to alcohol outlets and illegal drug arrests. *Journal of Geographical Systems*, 11(1), pp.1-22.
<https://link.springer.com/article/10.1007/s10109-008-0073-5>

Light, M.T. and Harris, C.T., 2012. Race, space, and violence: exploring spatial dependence in structural covariates of white and black violent crime in US counties. *Journal of Quantitative Criminology*, 28(4), pp.559-586.
<https://link.springer.com/article/10.1007/s10940-011-9162-6>

Cameron, M.P., Cochrane, W., Gordon, C. and Livingston, M., 2016. Alcohol outlet density and violence: a geographically weighted regression approach. *Drug and alcohol review*, 35(3), pp.280-288.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/dar.12295>

Grubestic, T.H., Mack, E.A. and Kaylen, M.T., 2012. Comparative modeling approaches for understanding urban violence. *Social science research*, 41(1), pp.92-109.
<https://www.sciencedirect.com/science/article/pii/S0049089X11001190>

- Weir, R., 2019. Using geographically weighted regression to explore neighborhood-level predictors of domestic abuse in the UK. *Transactions in GIS*, 23(6), pp.1232-1250.
<https://doi.org/10.1111/tgis.12570>
- Arnio, A.N., 2019. Examining the Effects of Neighborhood Contextual Factors on Officer-Involved Shootings. *Justice Quarterly*, pp.1-27.
<https://doi.org/10.1080/07418825.2019.1679862>
- Amegbor, P.M., Yankey, O., Rosenberg, M.W. and Sabel, C.E., 2020. Examining spatial variability in the association between male partner alcohol misuse and intimate partner violence against women in Ghana: a GWR analysis. *Journal of interpersonal violence*, p.0886260519900299.
<https://doi.org/10.1177/0886260519900299>
- Becker, J.H., 2019. Within-neighborhood dynamics: disadvantage, collective efficacy, and homicide rates in Chicago. *Social problems*, 66(3), pp.428-447.
<https://doi.org/10.1093/socpro/spy013>
- Ingram, M.C. and da Costa, M.M., 2019. Political geography of violence: Municipal politics and homicide in Brazil. *World Development*, 124, p.104592.
<https://doi.org/10.1016/j.worlddev.2019.06.016>
- Barboza-Salerno, G.E., 2020. Examining spatial regimes of child maltreatment allegations in a social vulnerability framework. *Child maltreatment*, 25(1), pp.70-84.
<https://doi.org/10.1177/1077559519850340>
- Chica-Olmo, J., Cano-Guervos, R. and Marrero Rocha, I., 2019. The spatial effects of violent political events on mortality in countries of Africa. *South African Geographical Journal*, 101(3), pp.285-306.
<https://doi.org/10.1080/03736245.2019.1612770>
- Sarjou, A., 2021. Violent Crime in London: An Investigation using Geographically Weighted Regression. *arXiv preprint arXiv:2101.10388*.
<https://arxiv.org/abs/2101.10388>
- Andresen, M.A., Ha, O.K. and Davies, G., 2021. Spatially Varying Unemployment and Crime Effects in the Long Run and Short Run. *The Professional Geographer*, 73(2), pp.297-311.
<https://doi.org/10.1080/00330124.2020.1838928>
- Jendryke, M. and McClure, S.C., 2021. Spatial prediction of sparse events using a discrete global grid system; a case study of hate crimes in the USA. *International Journal of Digital Earth*, 14(6), pp.789-805.
<https://doi.org/10.1080/17538947.2021.1886356>

Amegbor, P.M. and Pascoe, L., 2021. Variations in emotional, sexual, and physical intimate partner violence among women in Uganda: a multilevel analysis. *Journal of interpersonal violence*, 36(15-16), pp.NP7868-NP7898.

<https://doi.org/10.1177/0886260519839429>

Arnio, A.N., 2021. Examining the effects of neighborhood contextual factors on officer-involved shootings. *Justice Quarterly*, 38(4), pp.626-652.

<https://doi.org/10.1080/07418825.2019.1679862>

DEM:

Arshad, A., Zhang, W., Zhang, Z., Wang, S., Zhang, B., Cheema, M.J.M. and Shalamzari, M.J., 2021. Reconstructing high-resolution gridded precipitation data using an improved downscaling approach over the high altitude mountain regions of Upper Indus Basin (UIB). *Science of The Total Environment*, 784, p.147140.

<https://doi.org/10.1016/j.scitotenv.2021.147140>

GALLAY, M., LLOYD, C. and MCKINLEY, J., 2010. Using geographically weighted regression for analysing elevation error of detailed digital elevation models. *Geografie pro život ve, 21*.

https://www.researchgate.net/profile/Jennifer_Mckinley3/publication/267183216_Using_geographically_weighted_regression_for_analysing_elevation_error_of_detailed_digital_elevation_models/links/5592c7bd08ae5af2b0eb5a15/Using-geographically-weighted-regression-for-analysing-elevation-error-of-detailed-digital-elevation-models.pdf

Gallay, M., Lloyd, C. and McKinley, J., 2010, July. Using geographically weighted regression for analysing elevation error of high-resolution DEMs. In *Proceedings of the Ninth International Accuracy Symposium* (pp. 109-112).

http://www.spatial-accuracy.org/system/files/img-X03141139_0.pdf

Erdoğan, S., 2010. Modelling the spatial distribution of DEM error with geographically weighted regression: An experimental study. *Computers & Geosciences*, 36(1), pp.34-43.

<https://www.sciencedirect.com/science/article/pii/S0098300409002702>

Zhang, C., Su, H., Li, T., Liu, W., Mitsova, D., Nagarajan, S., Teegavarapu, R., Xie, Z., Bloetscher, F. and Yong, Y., 2021. Modeling and Mapping High Water Table for a Coastal Region in Florida using Lidar DEM Data. *Groundwater*, 59(2), pp.190-198.

<https://doi.org/10.1111/gwat.13041>

Demographics:

Muniz, J.O., 2009. Spatial dependence and heterogeneity in ten years of fertility decline in Brazil. *Population Review*, 48(2).

https://muse.jhu.edu/article/361732/summary?casa_token=wwZtNIg6krIAAAAA:9wVqva33nLKIR0PxXRDyvHUTI_A-kEvazCMQ5bXX1TJGv41byfMwET8s1HTigiSWdnS7ZmKDKQ

Wang, Y. and Zhang, J., 2018. Integrating BP and MGWR-SL model to estimate village-level poor population: An experimental study from Qianjiang, China. *Social Indicators Research*, 138(2), pp.639-663.

<https://link.springer.com/article/10.1007/s11205-017-1681-6>

Wheeler, B.H., 2018. *Using social media to collect fine scale public opinion* (Doctoral dissertation, San Francisco State University).

<http://sfsu-dspace.calstate.edu/handle/10211.3/204069>

Mayers, R.S., Wiggins, L.L., Fulghum, F.H. and Peterson, N.A., 2012. Tobacco outlet density and demographics: a geographically weighted regression analysis. *Prevention Science*, 13(5), pp.462-471.

<https://link.springer.com/article/10.1007/s11121-011-0273-y>

Chi, G. and Wang, D., 2017. Small-area population forecasting: A geographically weighted regression approach. In *The frontiers of applied demography* (pp. 449-471). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-43329-5_21

Mansour, S., 2015. Spatial modeling of residential crowding in Alexandria Governorate, Egypt: A geographically weighted regression (GWR) technique. *Journal of Geographic Information System*, 7(04), p.369.

http://file.scirp.org/pdf/JGIS_2015080710442429.pdf

Bidanset, P.E., Mccord, M., Lombard, J.R., Peadar Davis PHD, M.R.I.C.S. and McCluskey, W.J., 2017. Accounting for Locational, Temporal, and Physical Similarity of Residential Sales in Mass Appraisal Modeling: The Development and Application of Geographically, Temporally, and Characteristically Weighted Regression. *Journal of Property Tax Assessment & Administration*, 14(2), pp.4-12.

<https://search.proquest.com/openview/47746d0e68f252ea4e7a2ea5c8f6dd96/1?pq-origsite=gscholar&cbl=29482>

Bereitschaft, B. and Cammack, R., 2015. Neighborhood diversity and the creative class in Chicago. *Applied Geography*, 63, pp.166-183.

<https://www.sciencedirect.com/science/article/pii/S0143622815001642>

Lee, K.H. and Schuett, M.A., 2014. Exploring spatial variations in the relationships between residents' recreation demand and associated factors: A case study in Texas. *Applied Geography*, 53, pp.213-222.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622814001349>

Abadi, M.G. and Kermanshah, M., 2014. Exploring spatial variation in socioeconomic determinants of private car ownership. In *Transportation Research Board 93rd Annual Meeting, Paper* (pp. 14-0596).

https://www.researchgate.net/profile/Masoud_Ghodrat_Abadi/publication/289252419_Exploring_Spatial_Variation_in_Socioeconomic_Determinants_of_Private_Car_Ownership/links/568ae05008ae1e63f1fbfe0e/Exploring-Spatial-Variation-in-Socioeconomic-Determinants-of-Private-Car-Ownership.pdf

McCluskey, W.J., McCord, M., Davis, P.T., Haran, M. and McIlhatton, D., 2013. Prediction accuracy in mass appraisal: a comparison of modern approaches. *Journal of Property Research*, 30(4), pp.239-265.

<https://www.tandfonline.com/doi/abs/10.1080/09599916.2013.781204>

Jankowska, M.M., Weeks, J.R. and Engstrom, R., 2011. Do the most vulnerable people live in the worst slums? A spatial analysis of Accra, Ghana. *Annals of GIS*, 17(4), pp.221-235.

<https://www.tandfonline.com/doi/abs/10.1080/19475683.2011.625976>

Işik, O. and Pinarcioglu, M.M., 2006. Geographies of a silent transition: A geographically weighted regression approach to regional fertility differences in Turkey. *European Journal of Population/Revue europeenne de demographie*, 22(4), pp.399-421.

<https://link.springer.com/article/10.1007/s10680-006-9111-5>

Yu, D. and Wu, C., 2004. Understanding population segregation from Landsat ETM+ imagery: a geographically weighted regression approach. *GIScience & Remote Sensing*, 41(3), pp.187-206.

<https://www.tandfonline.com/doi/abs/10.2747/1548-1603.41.3.187>

Alahmadi, M., 2018. Spatial non-stationarity analysis to estimate dwelling units in Riyadh, Saudi Arabia. *European Journal of Remote Sensing*, 51(1), pp.558-571.

<https://www.tandfonline.com/doi/abs/10.1080/22797254.2018.1459209>

Liu, C., Wei, C. and Su, Y., 2018. Geographically weighted regression model-assisted estimation in survey sampling. *Journal of Nonparametric Statistics*, 30(4), pp.906-925.

<https://www.tandfonline.com/doi/abs/10.1080/10485252.2018.1499907>

Chang, J.H., Hart, D.R., Shank, B.V., Gallager, S.M., Honig, P. and York, A.D., 2016. Combining imperfect automated annotations of underwater images with human annotations to obtain precise and unbiased population estimates. *Methods in Oceanography*, 17, pp.169-186.

<https://www.sciencedirect.com/science/article/abs/pii/S2211122015300219>

Wang, S., Sigler, T., Corcoran, J. and Liu, Y., 2018. Modelling the spatial dynamics of Mainland China-born migrants in Australia. *Australian Geographer*, pp.1-19.

<https://www.tandfonline.com/doi/abs/10.1080/00049182.2018.1508542>

Gutiérrez Posada, D., Rubiera Morollón, F. and Viñuela, A., 2018. Ageing places in an ageing country: The local dynamics of the elderly population in Spain. *Tijdschrift voor economische en sociale geografie*, 109(3), pp.332-349.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/tesg.12294>

Xu, Z. and Ouyang, A., 2018. The Factors Influencing China's Population Distribution and Spatial Heterogeneity: a Prefectural-Level Analysis using Geographically Weighted Regression. *Applied Spatial Analysis and Policy*, 11(3), pp.465-480.

<https://link.springer.com/article/10.1007/s12061-017-9224-8>

Firoozi Nejad, B. and Lloyd, C., 2018. Assessing the accuracy of kernel smoothing population surface models for Northern Ireland using geographically weighted regression. *Journal of Spatial Science*, pp.1-19.

<https://www.tandfonline.com/doi/abs/10.1080/14498596.2018.1453881>

Catney, G., 2018. The complex geographies of ethnic residential segregation: Using spatial and local measures to explore scale-dependency and spatial relationships. *Transactions of the Institute of British Geographers*, 43(1), pp.137-152.

<https://rgs-ibg.onlinelibrary.wiley.com/doi/full/10.1111/tran.12209>

Ramírez-Aldana, R., 2016. Comparing Populations in Data Involving Spatial Information. *Nova Scientia*, 8(17), pp.28-59.

http://nova_scientia.delasalle.edu.mx/ojs/index.php/Nova/article/view/421

Zhao, Y., Ovando-Montejo, G.A., Frazier, A.E., Mathews, A.J., Flynn, K.C. and Ellis, E.A., 2017. Estimating work and home population using lidar-derived building volumes. *International journal of remote sensing*, 38(4), pp.1180-1196.

<https://www.tandfonline.com/doi/abs/10.1080/01431161.2017.1280634>

Gutiérrez-Posada, D., Rubiera-Morollon, F. and Viñuela, A., 2017. Heterogeneity in the Determinants of Population Growth at the Local Level: Analysis of the Spanish Case with a GWR Approach. *International Regional Science Review*, 40(3), pp.211-240.

https://journals.sagepub.com/doi/abs/10.1177/0160017615589009?casa_token=WkE64bGp6HUAAAAA%3ApgEi3Q0Eqg6QgTD4qA-kBC4dbx-kV86YguM66NcJM06LfuWJZaxCk4lVOquwlf66WRU4dJwSzyw

Liu, Z. and Robinson, G.M., 2016. Residential development in the peri-urban fringe: The example of Adelaide, South Australia. *Land Use Policy*, 57, pp.179-192.

<https://www.sciencedirect.com/science/article/abs/pii/S0264837715302428>

Rasekhi, S., Anousheh, S., Ranjbar, H. and Moghimi, M., 2013. Regional spillover research and development investment: A geographically weighted regression approach. *African Journal of Business Management*, 7(33), pp.3212-3219.

<https://academicjournals.org/journal/AJBM/article-abstract/627426E17671>

Mucciardi, M. and Bertuccelli, P., 2011. A GWR model for local analysis of demographic relationships. *China-USA Business Review*, 10(3).

<http://www.airitilibrary.com/Publication/alDetailedMesh?docid=15371514-201103-201107190078-201107190078-236-244>

Ganning, J.P. and McCall, B.D., 2012. The spatial heterogeneity and geographic extent of population deconcentration: Measurement and policy implications. In *International handbook of rural demography* (pp. 319-332). Springer, Dordrecht.

https://link.springer.com/chapter/10.1007/978-94-007-1842-5_22

Bajat, B., Krunić, N., Kilibarda, M. and Samardžić-Petrović, M., 2011. Spatial modelling of population concentration using geographically weighted regression method. *Journal of the Geographical Institute Jovan Cvijic, SASA*, 61(3), pp.151-167.

<https://www.ceeol.com/search/article-detail?id=577772>

Jivraj, S., Brown, M. and Finney, N., 2013. Modelling spatial variation in the determinants of neighbourhood family migration in England with geographically weighted regression. *Applied Spatial Analysis and Policy*, 6(4), pp.285-304.

<https://link.springer.com/article/10.1007/s12061-013-9087-6>

Kamata, K. and Iwasawa, M., 2009. Spatial variations in covariates on fertility in 2005 and 2010: Geographically weighted regression for small area estimates of TFR in Japan. *Journal of Population Studies*, 45, pp.1-20.

[https://iussp.org/sites/default/files/event_call_for_papers/IUSSP2013\(KamataIwasawa\)G.ver1_3_mi.pdf](https://iussp.org/sites/default/files/event_call_for_papers/IUSSP2013(KamataIwasawa)G.ver1_3_mi.pdf)

Jensen, T. and Deller, S., 2007. Spatial Modeling of the Migration of Older People with a Focus on Amenities. *Review of Regional Studies*, 37(3).

https://www.researchgate.net/profile/Steven_Deller/publication/228458717_Spatial_Modeling_of_the_Migration_of_Older_People_with_a_Focus_on_Amenities/links/0deec51e56fa76082a000000/Spatial-Modeling-of-the-Migration-of-Older-People-with-a-Focus-on-Amenities.pdf

Fotheringham, A.S., Kelly, M.H. and Charlton, M., 2013. The demographic impacts of the Irish famine: towards a greater geographical understanding. *Transactions of the Institute of British Geographers*, 38(2), pp.221-237.

<https://rgs-ibg.onlinelibrary.wiley.com/doi/abs/10.1111/j.1475-5661.2012.00517.x>

Shoff, C. and Yang, T.C., 2012. Spatially varying predictors of teenage birth rates among counties in the United States. *Demographic research*, 27(14), p.377.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3493119/>

Cockx, K. and Canters, F., 2015. Incorporating spatial non-stationarity to improve dasymetric mapping of population. *Applied Geography*, 63, pp.220-230.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622815001678>

Chen, Y., Qian, H. and Wang, Y., 2020. Analysis of Beijing's Working Population Based on Geographically Weighted Regression Model. *Sustainability*, 12(12), p.5018.

<https://doi.org/10.3390/su12125018>

Jung, M., Ko, W., Choi, Y. and Cho, Y., 2019. Spatial Variations in Fertility of South Korea: A Geographically Weighted Regression Approach. *ISPRS International Journal of Geo-Information*, 8(6), p.262.

<https://doi.org/10.3390/ijgi8060262>

Chu, H.J., Yang, C.H. and Chou, C.C., 2019. Adaptive non-negative geographically weighted regression for population density estimation based on nighttime light. *ISPRS International Journal of Geo-Information*, 8(1), p.26.

<https://doi.org/10.3390/ijgi8010026>

Firoozi Nejad, B. and Lloyd, C., 2019. Assessing the accuracy of kernel smoothing population surface models for Northern Ireland using geographically weighted regression. *Journal of Spatial Science*, 64(3), pp.423-441.

<https://doi.org/10.1080/14498596.2018.1453881>

Tessema, Z.T., Azanaw, M.M., Bukayaw, Y.A. and Gelaye, K.A., 2020. Geographical variation in determinants of high-risk fertility behavior among reproductive age women in Ethiopia using the 2016 demographic and health survey: a geographically weighted regression analysis. *Archives of Public Health*, 78(1), pp.1-12.

<https://doi.org/10.1186/s13690-020-00456-5>

Wang, Y., Dong, L., Liu, Y., Huang, Z. and Liu, Y., 2019. Migration patterns in China extracted from mobile positioning data. *Habitat International*, 86, pp.71-80.

<https://doi.org/10.1016/j.habitatint.2019.03.002>

Jiang, Y., Li, Z. and Ye, X., 2019. Understanding demographic and socioeconomic biases of geotagged Twitter users at the county level. *Cartography and geographic information science*, 46(3), pp.228-242.

<https://doi.org/10.1080/15230406.2018.1434834>

Xiong, J., Li, K., Cheng, W., Ye, C. and Zhang, H., 2019. A Method of Population Spatialization Considering Parametric Spatial Stationarity: Case Study of the Southwestern Area of China. *ISPRS International Journal of Geo-Information*, 8(11), p.495.

<https://doi.org/10.3390/ijgi8110495>

Szołtysek, M., Ogórek, B., Poniak, R. and Gruber, S., 2019. “One size does not fit all”: Spatial nonstationarity in the determinants of elderly residential isolation in historical Europe. *Population, Space and Place*, 25(6), p.e2242.

<https://doi.org/10.1002/psp.2242>

Viñuela, A., Gutiérrez Posada, D. and Rubiera Morollón, F., 2019. Determinants of immigrants' concentration at local level in Spain: Why size and position still matter. *Population, Space and Place*, 25(7), p.e2247.

<https://doi.org/10.1002/psp.2247>

Lewandowska-Gwarda, K. and Antczak, E., 2020. Urban Ageing in Europe—Spatiotemporal Analysis of Determinants. *ISPRS International Journal of Geo-Information*, 9(7), p.413.
<https://doi.org/10.3390/ijgi9070413>

Bai, L., Bao, T., Zhang, K., Shi, H., Wang, Z. and Bai, S., 2020. Influencing Factors for the Promotion of International Vocational Qualification and Certification: Evidences from International Project Manager Professionals in China. *Sustainability*, 12(5), p.1772.
<https://doi.org/10.3390/su12051772>

Yang, Z., Gao, W., Zhao, X., Hao, C. and Xie, X., 2020. Spatiotemporal Patterns of Population Mobility and its Determinants in Chinese Cities Based on Travel Big Data. *Sustainability*, 12(10), p.4012.
<https://doi.org/10.3390/su12104012>

Muhammad, R., Zhao, Y. and Liu, F., 2019. Spatiotemporal analysis to observe gender based check-in behavior by using social media big data: a case study of Guangzhou, China. *Sustainability*, 11(10), p.2822.
<https://doi.org/10.3390/su11102822>

Haque, I., Das, D. and Patel, P.P., 2019. Reading the geography of India's district-level fertility differentials: a spatial econometric approach. *Journal of Biosocial Science*, 51(5), pp.745-774.
<https://doi.org/10.1017/S0021932019000087>

Polinesi, G., Recchioni, C., Turco, R., Salvati, L., Rontos, K., Comino, J.R. and Benassi, F., 2020. Population Trends and Urbanization: Simulating Density Effects Using a Local Regression Approach. *ISPRS International Journal of Geo-Information*, 9(7), p.454.
<https://doi.org/10.3390/ijgi9070454>

Peng, Z., Wang, R., Liu, L. and Wu, H., 2020. Fine-Scale Dasymetric Population Mapping With Mobile Phone and Building Use Data Based on Grid Voronoi Method. *ISPRS International Journal of Geo-Information*, 9(6), p.344.
<https://doi.org/10.3390/ijgi9060344>

Blackmond Larnell, T., Campbell, C. and Papp, J., 2020. Wine, Beer, and Lotto: Black Community Mobilization Against Liquor Stores in Chicago. *Journal of Black Studies*, 51(7), pp.705-726.
<https://doi.org/10.1177/0021934720932283>

Zhou, Y., Ma, M., Shi, K. and Peng, Z., 2020. Estimating and Interpreting Fine-Scale Gridded Population Using Random Forest Regression and Multisource Data. *ISPRS International Journal of Geo-Information*, 9(6), p.369.
<https://doi.org/10.3390/ijgi9060369>

Liu, X., Wang, J.F., Christakos, G. and Liao, Y.L., 2019. China Population Distributions at Multiple Geographical Scales and Their Correlates. *J. Environ. Inform*, 34, pp.15-27.
<https://doi.org/10.3808/jei.201900414>

He, M., Xu, Y. and Li, N., 2020. Population Spatialization in Beijing City Based on Machine Learning and Multisource Remote Sensing Data. *Remote Sensing*, 12(12), p.1910.

<https://doi.org/10.3390/rs12121910>

Lee, Y., Lee, B. and Shubho, M.T.H., 2019. Urban revival by Millennials? Intraurban net migration patterns of young adults, 1980–2010. *Journal of Regional Science*, 59(3), pp.538-566.

<https://doi.org/10.1111/jors.12445>

Salvati, L. and Carlucci, M., 2020. Shaping Dimensions of Urban Complexity: The Role of Economic Structure and Socio-Demographic Local Contexts. *Social Indicators Research*, 147(1), pp.263-285.

<https://link.springer.com/article/10.1007/s11205-019-02156-2>

Wang, L., Fan, H. and Wang, Y., 2019. Fine-resolution population mapping from international space station nighttime photography and multisource social sensing data based on similarity matching. *Remote Sensing*, 11(16), p.1900.

<https://doi.org/10.3390/rs11161900>

Wu, L., Huang, Z. and Pan, Z., 2021. The spatiality and driving forces of population ageing in China. *Plos one*, 16(1), p.e0243559.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0243559>

Cupido, K., Fotheringham, A.S. and Jevtic, P., 2021. Local modelling of US mortality rates: A multiscale geographically weighted regression approach. *Population, Space and Place*, 27(1), p.e2379.

<https://doi.org/10.1002/psp.2379>

Gu, H., Yu, H., Sachdeva, M. and Liu, Y., 2020. Analyzing the distribution of researchers in China: An approach using multiscale geographically weighted regression. *Growth and Change*.

<https://doi.org/10.1111/grow.12453>

Flaherty, E., 2021. Common-pool resource governance and uneven food security: Regional resilience during the Great Irish Famine, 1845–1852. *Journal of Agrarian Change*, 21(2), pp.285-312.

<https://doi.org/10.1111/joac.12396>

Kim, S., Shoff, C. and Yang, T.C., 2019. Spatial Non-stationarity in Opioid Prescribing Rates: Evidence from Older Medicare Part D Beneficiaries. *Population Research and Policy Review*, pp.1-10.

<https://link.springer.com/article/10.1007%2Fs11113-019-09566-7>

Liu, Z., Lu, C., Mao, J., Sun, D., Li, H. and Lu, C., 2021. Spatial–Temporal Heterogeneity and the Related Influencing Factors of Tourism Efficiency in China. *Sustainability*, 13(11), p.5825.

<https://doi.org/10.3390/su13115825>

Miller, J.A. and Grubestic, T.H., 2021. A spatial exploration of the halo effect in the 2016 US presidential election. *Annals of the American Association of Geographers*, 111(4), pp.1094-1109.

<https://doi.org/10.1080/24694452.2020.1785271>

Sacco, C. and Falzetti, P., 2021. Spatial variations of school-level determinants of reading achievement in Italy. *Large-scale Assessments in Education*, 9(1), pp.1-19.

<https://link.springer.com/article/10.1186/s40536-021-00105-5>

Dialect:

Willis, D., 2017. Investigating geospatial models of the diffusion of morphosyntactic innovations: The Welsh strong second-person singular pronoun chdi. *Journal of Linguistic Geography*, 5(1), pp.41-66.

<https://www.cambridge.org/core/journals/journal-of-linguistic-geography/article/investigating-geospatial-models-of-the-diffusion-of-morphosyntactic-innovations-the-welsh-strong-secondperson-singular-pronoun-chdi/C65EDBCFA8A36F066E415ADF2B5EF517>

Economics:

Li, F., Li, M. and Liang, J., 2007, August. Study on disparity of regional economic development based on geoinformatic Tupu and GWR model: a case of growth of GDP per capita in China from 1999 to 2003. In *Geoinformatics 2007: Geospatial Information Technology and Applications* (Vol. 6754, p. 67543A). International Society for Optics and Photonics.

<https://www.spiedigitallibrary.org/conference-proceedings-of-spie/6754/67543A/Study-on-disparity-of-regional-economic-development-based-on-geoinformatic/10.1117/12.765494.short?SSO=1>

Lee, K.H., 2013. *Exploring Spatial Variations in the Relationship between National Park Visitation and Associated Factors in Texas Counties* (Doctoral dissertation).

<https://oaktrust.library.tamu.edu/handle/1969.1/151672>

AKINCI, M., AKINCI, G.Y. and YILMAZ, Ö., Measuring the Extents of Drama: A Geographically Weighted Regression Analysis of the Socio-Economic Determinants of Terrorism. *Fiscaoeconomia*, 1(3), pp.68-107.

<http://dergipark.gov.tr/fsecon/issue/31372/334741>

Li, F., Wang, X., Liu, H., Li, X., Zhang, X., Sun, Y. and Wang, Y., 2018. Does economic development improve urban greening? Evidence from 289 cities in China using spatial regression models. *Environmental monitoring and assessment*, 190(9), p.541.

<https://link.springer.com/article/10.1007/s10661-018-6871-4>

Al Sonosy, O., Rady, S., Badr, N.L. and Hashem, M., 2016, December. A study of spatial machine learning for business behavior prediction in location based social networks. In *Computer Engineering & Systems (ICCES), 2016 11th International Conference on* (pp. 266-272). IEEE.

<https://ieeexplore.ieee.org/abstract/document/7822012>

Ahmadi, M., Baaghide, M., Roudbari, A.D. and Asadi, M., 2018. Modeling the role of topography on the potential of tourism climate in Iran. *Modeling Earth Systems and Environment*, 4(1), pp.13-25.

<https://link.springer.com/article/10.1007/s40808-018-0423-3>

Vaziri, M., Acheampong, M., Downs, J. and Majid, M.R., 2018. Poverty as a function of space: Understanding the spatial configuration of poverty in Malaysia for Sustainable Development Goal number one. *GeoJournal*, pp.1-20.

<https://link.springer.com/article/10.1007/s10708-018-9926-8>

‘Afifah, R., Andriyana, Y. and Jaya, I.M., 2017, March. Robust geographically weighted regression with least absolute deviation method in case of poverty in Java Island. In *AIP Conference Proceedings* (Vol. 1827, No. 1, p. 020023). AIP Publishing.

<https://aip.scitation.org/doi/abs/10.1063/1.4979439>

Zou, Y., 2015. Re-examining the Neighborhood Distribution of Higher Priced Mortgage Lending: Global versus Local Methods. *Growth and Change*, 46(4), pp.654-674.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/grow.12121>

Lewandowska-Gwarda, K., 2018. Female unemployment and its determinants in Poland in 2016 from the spatial perspective. *Oeconomia Copernicana*, 9(2), pp.183-204.

<https://www.ceeol.com/search/article-detail?id=719703>

Singh, V. and van Eeden, A., 2017. Are the walls giving way to fences? Is racial integration within Kwadukuza municipality leading to income-based class segregation?. *South African Journal of Geomatics*, 6(3), pp.461-476.

<https://www.ajol.info/index.php/sajg/article/view/162492>

Da Costa, M.M., 2016. What influences the location of nonprofit organizations? A spatial analysis in Brazil. *VOLUNTAS: International Journal of Voluntary and Nonprofit Organizations*, 27(3), pp.1064-1090.

<https://link.springer.com/article/10.1007/s11266-016-9682-7>

Suárez-Vega, R., Gutiérrez-Acuña, J.L. and Rodríguez-Díaz, M., 2015. Locating a supermarket using a locally calibrated Huff model. *International Journal of Geographical Information Science*, 29(2), pp.217-233.

<https://www.tandfonline.com/doi/abs/10.1080/13658816.2014.958154>

Xu, Y. and Warner, M.E., 2015. Understanding employment growth in the recession: the geographic diversity of state rescaling. *Cambridge Journal of Regions, Economy and Society*, 8(2), pp.359-377.

<https://academic.oup.com/cjres/article-abstract/8/2/359/333092>

Xu, Y. and Warner, M.E., 2016. Does devolution crowd out development? A spatial analysis of US local government fiscal effort. *Environment and Planning A*, 48(5), pp.871-890.

<https://journals.sagepub.com/doi/abs/10.1177/0308518X15622448>

Amara, M. and Ayadi, M., 2013. The local geographies of welfare in Tunisia: Does neighbourhood matter?. *International Journal of Social Welfare*, 22(1), pp.90-103.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1468-2397.2011.00863.x>

Gao, Y. and Li, S., 2011, June. Research on relationship between economics growth and land use based on GWR in China. In *Remote Sensing, Environment and Transportation Engineering (RSETE), 2011 International Conference on* (pp. 1510-1514). IEEE.

<https://ieeexplore.ieee.org/abstract/document/5964572>

Li, G. and Mroz, T.A., 2013. Expected income and labor market choices of US married couples: A locally weighted regression approach. *Regional Science and Urban Economics*, 43(6), pp.985-995.

<https://www.sciencedirect.com/science/article/pii/S0166046213000835>

Xu, Z., Cai, Z., Wu, S., Huang, X., Liu, J., Sun, J., Su, S. and Weng, M., 2018. Identifying the Geographic Indicators of Poverty Using Geographically Weighted Regression: A Case Study from Qiandongnan Miao and Dong Autonomous Prefecture, Guizhou, China. *Social Indicators Research*, pp.1-24.

<https://link.springer.com/article/10.1007/s11205-018-1953-9>

Okwi, P.O., Arunga, M., Kariuki, P., Kristjanson, P., Ndeng'e, G., Notenbaert, A.M.O. and Omolo, A., 2006. Poverty among livestock keepers in Kenya: Are spatial factors important?.

https://cgspace.cgiar.org/bitstream/handle/10568/77598/poverty_livestock_oct2006.pdf?sequence=1

Cochrane, W. and Poot, J., 2008. *A Spatial Econometric Perspective on Regional Labour Market Adjustment and Social Security Benefit Uptake in New Zealand*. Working paper, University of Waikato, New Zealand.

<https://www.nzae.org.nz/wp-content/uploads/2011/08/nr1215394492.pdf>

Ali, L. and Kestens, Y., 2006. Contagion and crises clusters: Toward a regional warning system?. *Review of World Economics*, 142(4), pp.814-839.

<https://link.springer.com/article/10.1007/s10290-006-0094-4>

- Lambert, D.M., McNamara, K.T. and Garrett, M.I., 2006. An application of spatial Poisson models to manufacturing investment location analysis. *Journal of Agricultural and Applied Economics*, 38(1), pp.105-121.
<https://www.cambridge.org/core/journals/journal-of-agricultural-and-applied-economics/article/an-application-of-spatial-poisson-models-to-manufacturing-investment-location-analysis/CC7D5ABEF2DD19A8D2E87435D0BD8E1D>
- Chasco, C., García, I. and Vicéns, J., 2007. Modeling spatial variations in household disposable income with geographically weighted regression.
<https://mpra.ub.uni-muenchen.de/9581/>
- Deller, S., 2010. Rural poverty, tourism and spatial heterogeneity. *Annals of Tourism Research*, 37(1), pp.180-205.
<https://www.sciencedirect.com/science/article/abs/pii/S0160738309001133>
- Osborne, P.E., Foody, G.M. and Suárez-Seoane, S., 2007. Non-stationarity and local approaches to modelling the distributions of wildlife. *Diversity and Distributions*, 13(3), pp.313-323.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1472-4642.2007.00344.x>
- Huang, Y. and Leung, Y., 2002. Analysing regional industrialisation in Jiangsu province using geographically weighted regression. *Journal of Geographical Systems*, 4(2), pp.233-249.
<https://link.springer.com/article/10.1007/s101090200081>
- Wulandari, W., 2018. GEOGRAPHICALLY WEIGHTED LOGISTIC REGRESSION DENGAN FUNGSI KERNEL FIXED GAUSSIAN PADA KEMISKINAN JAWA TENGAH. *Indonesian Journal of Statistics and Its Applications*, 2(2), pp.101-112.
<http://journal.stats.id/index.php/ijsa/article/view/189>
- Nugroho, N.F.T.A. and Slamet, I., 2018, May. Geographically Weighted Regression Model with Kernel Bisquare and Tricube Weighted Function on Poverty Percentage Data in Central Java Province. In *Journal of Physics: Conference Series* (Vol. 1025, No. 1, p. 012099). IOP Publishing.
<https://iopscience.iop.org/article/10.1088/1742-6596/1025/1/012099/meta>
- Bourdin, S., 2018. Does the Cohesion Policy Have the Same Influence on Growth Everywhere? A Geographically Weighted Regression Approach in Central and Eastern Europe. *Economic Geography*, pp.1-32.
<https://www.tandfonline.com/doi/abs/10.1080/00130095.2018.1526074>
- Lewandowska-Gwarda, K., 2018. Geographically Weighted Regression in the Analysis of Unemployment in Poland. *ISPRS International Journal of Geo-Information*, 7(1), p.17.
<https://www.mdpi.com/2220-9964/7/1/17>
- Mansour, S., 2018. Spatial Patterns of Female Labor Force Participation in Oman: A GIS-Based Modeling. *The Professional Geographer*, pp.1-16.

https://www.tandfonline.com/doi/abs/10.1080/00330124.2018.1443480?casa_token=VkAmfsSNU88AAAAA:PkTtqcakHyzmnQ1OmSjG_7RD-PCIZ3hfYwyh84wdE9VIKZ8ntaaT4wWBcYNHNxA8HMDwd6DRaXgJ

Robinson, C., Bouzarovski, S. and Lindley, S., 2018. Underrepresenting neighbourhood vulnerabilities? The measurement of fuel poverty in England. *Environment and Planning A: Economy and Space*, p.0308518X18764121.

https://journals.sagepub.com/doi/abs/10.1177/0308518X18764121?casa_token=BLYGaHv5YjMAAAAA%3AbObhnmzar7AXS396hpQv56bhL3ZSUKvSgm5P_49hN4MvjfQFy6nQc5qPVCrJOEyBHfLoI2os85g

Fullerton, T.M. and Bujanda, A., 2018. Commercial property values in a border metropolitan economy. *Asia-Pacific Journal of Regional Science*, 2(2), pp.337-360.

<https://link.springer.com/article/10.1007/s41685-017-0065-x>

Li, H., Liu, Y. and Zhang, A., 2018. Spatially varying associations between creative worker concentrations and social diversity in Shenzhen, China. *Quality & Quantity*, 52(1), pp.85-99.

<https://link.springer.com/article/10.1007/s11135-016-0451-x>

Dawson, T., Sandoval, J.S., Sagan, V. and Crawford, T., 2018. A Spatial Analysis of the Relationship between Vegetation and Poverty. *ISPRS International Journal of Geo-Information*, 7(3), p.83.

<https://www.mdpi.com/2220-9964/7/3/83>

Guo, Y., Chang, S.S., Sha, F. and Yip, P.S., 2018. Poverty concentration in an affluent city: Geographic variation and correlates of neighborhood poverty rates in Hong Kong. *PloS one*, 13(2), p.e0190566.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0190566>

PAWITAN, G., 2010. Spatial distribution of poverty at different scales. *International journal of economics and finance studies*, 2(1), pp.25-33.

<http://dergipark.gov.tr/ijefs/issue/26156/275496>

Lucas, K., Phillips, I., Mulley, C. and Ma, L., 2018. Is transport poverty socially or environmentally driven? Comparing the travel behaviours of two low-income populations living in central and peripheral locations in the same city. *Transportation Research Part A: Policy and Practice*, 116, pp.622-634.

<https://www.sciencedirect.com/science/article/pii/S0965856416310114>

Dziauddin, M.F. and Misran, M., 2016. Does Accessibility to the Central Business District (CBD) Have an Impact on High-Rise Condominium Price Gradient in Kuala Lumpur, Malaysia?. In *SHS Web of Conferences* (Vol. 23, p. 02004). EDP Sciences.

https://www.shsconferences.org/articles/shsconf/abs/2016/01/shsconf_psu2016_02004/shsconf_psu2016_02004.html

Li, C. and Wu, K., 2017. Driving forces of the villages hollowing based on geographically weighted regression model: a case study of Longde County, the Ningxia Hui Autonomous Region, China. *Natural Hazards*, 89(3), pp.1059-1079.

<https://link.springer.com/article/10.1007/s11069-017-3008-y>

Syerrina, Z., Naeim, A.R., Safih, L.M. and Nuredayu, Z., 2017. Explorative Spatial Analysis of Coastal Community Incomes in Setiu Wetlands: Geographically Weighted Regression. *International Journal of Applied Engineering Research*, 12(18), pp.7392-7396.

http://www.ripublication.com/ijaer17/ijaerv12n18_41.pdf

Suárez-Vega, R., Gutiérrez-Acuña, J.L. and Rodríguez-Díaz, M., 2017. Locating a shopping centre by considering demand disaggregated by categories. *IMA Journal of Management Mathematics*.

<https://academic.oup.com/imaman/article/29/4/435/4080217>

Setiyorini, A., Suprijadi, J. and Handoko, B., 2017, March. Implementations of geographically weighted lasso in spatial data with multicollinearity (Case study: Poverty modeling of Java Island). In *AIP Conference Proceedings* (Vol. 1827, No. 1, p. 020003). AIP Publishing.

<https://aip.scitation.org/doi/abs/10.1063/1.4979419>

Danko, J., 2017. The Local Socioeconomic Impact of Destination Redevelopments in Detroit and Las Vegas (1990-2010): A Novel Geographically-Weighted Shift-Share Analysis Approach.

<https://opencommons.uconn.edu/dissertations/1401/>

Sankalpa, J.K.S., Wijesuriya, W., Karunaratne, S. and Ishani, P.G.N., 2017. Use of GIS Geographically Weighted Regression to determine Natural Rubber productivity and their driving forces: A case study from the Kalutara district of Sri Lanka. *International Proceedings of IRC 2017*, 1(1), pp.294-307.

<http://ejournal.puslitkaret.co.id/index.php/proc/article/view/482>

de Paula Couto, M.C.P. and de Rezende Francisco, E., 2017, October. Analytics and Spatial Statistics: Market Expansion as a Growth Strategy for a Health Products Business in Brazil. In *CLAV 2017*.

<http://bibliotecadigital.fgv.br/ocs/index.php/clav/clav2017/paper/viewPaper/5991>

Slamet, I. and Nugroho, N.F.T.A., 2017, December. Geographically weighted regression model on poverty indicator. In *Journal of Physics: Conference Series* (Vol. 943, No. 1, p. 012009). IOP Publishing.

<http://iopscience.iop.org/article/10.1088/1742-6596/943/1/012009/meta>

Harini, S., 2016. Spatial Analysis of Poor Households in East Java Using Geographically Weighted Regression Method. *RESEARCH JOURNAL OF FISHERIES AND HYDROBIOLOGY*, 11(3), pp.137-143.

<http://www.aensiweb.net/AENSIWEB/rjfh/rjfh/2016/March/137-143.pdf>

Lewandowska-Gwarda, K. and Antczak, E., 2017. What determines the permanent emigration of Poles? The analysis of the spatial diversification of causes in three economic age groups. *Acta Oeconomica*, 67(2), pp.149-172.

<https://akademai.com/doi/abs/10.1556/032.2017.67.2.1>

Benassi, F. and Naccarato, A., 2017. Households in potential economic distress. A geographically weighted regression model for Italy, 2001–2011. *Spatial Statistics*, 21, pp.362-376.

<https://www.sciencedirect.com/science/article/pii/S2211675317300921>

Bidanset, P.E., Mccord, M. and Peadar Davis PHD, M.R.I.C.S., 2016. Spatially accounting for spillover effects of foreclosures in automated valuation models to promote accuracy and uniformity of property tax assessments. *Journal of Property Tax Assessment & Administration*, 13(1), p.5.

https://www.researchgate.net/profile/Paul_Bidanset/publication/308675655_Spatially_Accounting_for_Spillover_Effects_of_Foreclosures_in_Automated_Valuation_Models_to_Promote_Accuracy_and_Uniformity_of_Property_Tax_Assessments/links/57ea969408ae5d93a481529c.pdf

Carosi, A., 2017. Dataset for corporate valuation and analyses of peer effects in corporate practices and local factors favoring innovation. *Data in brief*, 10, pp.325-329.

<https://www.sciencedirect.com/science/article/pii/S2352340916307685>

Parajuli, J. and Haynes, K., 2017. Spatial Heterogeneity, Broadband, and New Firm Formation. *Quality Innovation Prosperity*, 21(1), pp.165-185.

<http://qip-journal.eu/index.php/QIP/article/viewFile/791/762>

Breitenecker, R.J., Harms, R., Weyh, A., Maresch, D. and Kraus, S., 2017. When the difference makes a difference—the regional embeddedness of entrepreneurship. *Entrepreneurship & regional development*, 29(1-2), pp.71-93.

<https://www.tandfonline.com/doi/abs/10.1080/08985626.2016.1255432>

Rui, Y., Huang, H., Lu, M., Wang, B. and Wang, J., 2016. A Comparative Analysis of the Distributions of KFC and McDonald's Outlets in China. *ISPRS International Journal of Geo-Information*, 5(3), p.27.

<https://www.mdpi.com/2220-9964/5/3/27/htm>

Li, Z., Cheng, J. and Wu, Q., 2016. Analyzing regional economic development patterns in a fast developing province of China through geographically weighted principal component analysis. *Letters in Spatial and Resource Sciences*, 9(3), pp.233-245.

<https://link.springer.com/article/10.1007/s12076-015-0154-2>

Jang, S., Kim, J. and von Zedtwitz, M., 2017. The importance of spatial agglomeration in product innovation: A microgeography perspective. *Journal of Business Research*, 78, pp.143-154.

<https://www.sciencedirect.com/science/article/abs/pii/S0148296317301637>

Kang, D. and Dall'erna, S., 2016. Exploring the spatially varying innovation capacity of the US counties in the framework of Griliches' knowledge production function: a mixed GWR approach. *Journal of Geographical Systems*, 18(2), pp.125-157.

<https://link.springer.com/article/10.1007/s10109-016-0228-8>

Li, X., Huang, B., Li, R. and Zhang, Y., 2016. Exploring the impact of high speed railways on the spatial redistribution of economic activities-Yangtze River Delta urban agglomeration as a case study. *Journal of Transport Geography*, 57, pp.194-206.

<https://www.sciencedirect.com/science/article/abs/pii/S0966692316306202>

Salvati, L., 2015. Space matters: Reconstructing a Local-scale Okun's Law for Italy. *International Journal of Latest Trends in Finance and Economic Sciences*, 5(1), p.833.

<http://www.ojs.excelingtech.co.uk/index.php/IJLTFES/article/view/Luca>

Chaowu, X.I.E. and Jun, Z.H.A.N.G., 2015. Spatial Characteristics and Influential Factors of Tourism Emergencies in China using Casualty Scales as an Indicator. *Tourism Tribune/Lvyou Xuekan*, 30(1).

<https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=10025006&AN=100357611&h=LYPmrQ8j%2bJjhZ6Kt9SMhVhrqQldOwVaszoF5dDQYgFsqN2ZJ3KwycymhIOBkR5xmo%2bfyRacnXP1VCZ%2fntcOrWFQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d10025006%26AN%3d100357611>

Karjoo, Z. and Sameti, M., 2015. Spatial Analysis Of Effect Of Government Expenditures On Economic Growth. *Regional Science Inquiry*, 7(1), pp.47-54.

http://www.rsijournal.eu/ARTICLES/June_2015/4.pdf

Billé, A.G., Salvioni, C. and Benedetti, R., 2015. Spatial Heterogeneity in Production Functions Models. In *150th seminar, October* (pp. 22-23).

<https://ageconsearch.umn.edu/bitstream/212662/2/Spatial%20Heterogeneity%20In%20Production%20Functions%20Models.pdf>

Kui, L.U.O., Chuanglin, F.A.N.G. and Haitao, M.A., 2014. Spatial pattern and relationship between China's urbanization and non-agriculture employment growth. *Progress in Geography*, 33(4), pp.457-466.

<http://www.progressing geography.com/EN/10.11820/dlkxjz.2014.04.003>

Sinaga, K.P., 2015. Poverty Data Modeling in North Sumatera Province Using Geographically Weighted Regression (GWR) Method. *International Journal of Science and Research (IJSR)*, 4(2).

https://s3.amazonaws.com/academia.edu.documents/36787584/SUB151577.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1544731124&Signature=gzAcNETcyQvz3O86TrRTrRGzY60%3D&response-content-disposition=inline%3B%20filename%3DPoverty_Data_Modeling_In_North_Sumatera.pdf

O'Connell, H.A. and Shoff, C., 2014. Spatial variation in the relationship between hispanic concentration and county poverty: a migration perspective. *Spatial Demography*, 2(1), pp.30-54.
<https://link.springer.com/article/10.1007/BF03354903>

Bekti, R.D. and Sutikno, S., 2011. Spatial Modeling on the Relationship between Asset Society and Poverty in East Java. *Jurnal Matematika dan Sains*, 16(3), pp.140-146.
https://jms.fmipa.itb.ac.id/ojs_3.0.2/index.php/jms/article/view/338

Husna, L.N. and Sarpono, S., 2013. Spatial Small Area Estimation for Determination of Underdeveloped Villages in the Province of YOGYAKARTA (DIY) in 2011. *Journal of Indonesian Economy and Business*, 28(1), pp.45-61.
<https://journal.ugm.ac.id/jieb/article/view/6229>

Aslan, T., Arı, A. and Zeren, F., 2013. The Impact of Electricity Consumption on Economic Development in Turkey: A Geographically Weighted Regression Approach. *Research Journal of Politics, Economics and Management*, 1(1), pp.31-48.
<http://www.acarindex.com/dosyalar/makale/acarindex-1423912020.pdf>

Pijnenburg, K., 2013. Self-Employment and Economic Performance: A Geographically Weighted Regression Approach for European Regions.
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2239651

Breitenecker, R.J. and Schwarz, E.J., 2011. Detecting spatial heterogeneity in predictors of firm start-up activity of Austria with geographically weighted regression. *International Journal of Entrepreneurship and Small Business*, 12(3), pp.290-299.
<https://www.inderscienceonline.com/doi/abs/10.1504/IJESB.2011.039008>

Müller, S., 2012. Identifying spatial nonstationarity in German regional firm start-up data. *Jahrbuch für Regionalwissenschaft*, 32(2), pp.113-132.
<https://link.springer.com/article/10.1007/s10037-012-0064-3>

Lockwood, T. and Rossini, P., 2011. Efficacy in modelling location within the mass appraisal process. *Pacific Rim Property Research Journal*, 17(3), pp.418-442.
<https://www.tandfonline.com/doi/abs/10.1080/14445921.2011.11104335>

Pede, V.O., Sparks, A.H. and McKinley, J.D., 2012, February. Regional income inequality and economic growth: a spatial econometrics analysis for provinces in the Philippines. In *56th AARES Annual Conference, Fremantle, Western Australia*.
https://www.researchgate.net/profile/Adam_Sparks2/publication/254385756_Regional_Income_Inequality_and_Economic_Growth_A_Spatial_Econometrics_Analysis_for_Provinces_in_the_Philippines/links/02e7e5387e6784356a000000.pdf

Paraguas, F.J., 2008. Modelling Spatial Variations in Consumer Demand with Geographic Weighted Regression. In *Third International Student Conference Proceeding "Empirical Models in Social Sciences"* (p. 315).

https://www.researchgate.net/profile/Melissa_Siegel2/publication/238709335_The_determinants_of_remittances_A_comparison_between_Albania_and_Moldova/links/543bafcc0cf24a6ddb97858e.pdf#page=322

Ozuduru, B.H. and Varol, C., 2011. Spatial statistics methods in retail location research: a case study of Ankara, Turkey. *Procedia Environmental Sciences*, 7, pp.287-292.
<https://core.ac.uk/download/pdf/82515248.pdf>

ANDREANO, M.S., BENEDETTI, R. and POSTIGLIONE, P., 2010. HETEROGENEITY IN THE ECONOMIC GROWTH OF EUROPEAN REGIONS: AN ADAPTIVE GEOGRAPHICALLY WEIGHTED REGRESSION APPROACH.
https://www.unimercatorum.it/public/uploads/docs/ricerca/Andreano_Benedetti_Postiglione_2010_WP.pdf

Breitenecker, R.J., 2007, September. Analysing regional firm startup activity using geographically weighted regression: the case of Austria. In *15th European young statisticians meeting*.
http://matematicas.unex.es/~idelpuerto/WEB_EYSM/Articles/at_robert_breitenecker_art.pdf

Öcal, N. and Yıldırım, J., 2008. Employment performance of Turkish provinces: A spatial data analysis. *İktisat İşletme ve Finans*, 23(266), pp.5-20.
https://www.researchgate.net/profile/Nadir_Ocal/publication/23533372_Employment_performance_of_Turkish_provinces_A_spatial_data_analysis/links/58ca789a92851c7262990a2a/Employment-performance-of-Turkish-provinces-A-spatial-data-analysis.pdf

Dell'Aringa, C., Lucifora, C. and Origo, F., 2005. *Public Sector Reforms and Wage Decentralisation: A First Look at Regional Public-Private Wage Differentials in Italy*. mimeo.
<http://www.bancaditalia.it/pubblicazioni/altri-atti-seminari/2005/lucifora.pdf>

Pecci, F. and Pontarollo, N., 2010, March. The application of spatial filtering technique to the economic convergence of the European regions between 1995 and 2007. In *International Conference on Computational Science and Its Applications*(pp. 46-61). Springer, Berlin, Heidelberg.
https://link.springer.com/chapter/10.1007/978-3-642-12156-2_4

Duval-Diop, D., 2006. Rediscovering the delta a reassessment of the linkages between poverty, economic growth and public policy using geographically weighted regression analysis.
https://digitalcommons.lsu.edu/gradschool_dissertations/1626/

Jung, S., Seong-Hoon, C. and Roberts, R., 2009. Public Expenditure and Poverty Reduction in the Southern United States. In *Southern Agricultural Economics Association Annual Meeting, Atlanta, Georgia*.
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.590.1514&rep=rep1&type=pdf>

Cheng, S. and Li, H., 2010. The effects of unemployment on new firm formation revisited: Does space matter?. *Regional Science Policy & Practice*, 2(2), pp.97-120.

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1757-7802.2010.01022.x>

Tanaka, K. and Matsuoka, S., 2007. Reconsidering the Environmental Kuznets Curve: Geographically weighted regression approach. *Hiroshima University The 21st Century COE Program 'Social Capacity Development for Environmental Management and International Cooperation' Discussion Paper Series*, 8.

<https://home.hiroshima-u.ac.jp/hicec/coe/products/DP2007/DP2007-8.pdf>

Giaccaria, S. and Frontuto, V., 2007. *GIS and Geographically Weighted Regression in stated preferences analysis of the externalities produced by linear infrastructures* (No. 10). Working paper.

https://s3.amazonaws.com/academia.edu.documents/5912208/10_wp_frontuto-giaccaria.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1544156586&Signature=oRCgYEZ2ZhdsqZ8GaRakh9aJ6eA%3D&response-content-disposition=inline%3B%20filename%3D%20GIS_and_Geographically_Weighted_Regressi.pdf

Cho, S.H., Kim, S.G., Clark, C.D. and Park, W.M., 2007. Spatial analysis of rural economic development using a locally weighted regression model. *Agricultural and Resource Economics Review*, 36(1), pp.24-38.

<https://www.cambridge.org/core/journals/agricultural-and-resource-economics-review/article/spatial-analysis-of-rural-economic-development-using-a-locally-weighted-regression-model/C57CE8D98A94E579E6DE901C6D184140>

Thissen, M., de Graaff, T. and van Oort, F., 2016. Competitive network positions in trade and structural economic growth: A geographically weighted regression analysis for European regions. *Papers in Regional Science*, 95(1), pp.159-180.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/pirs.12224>

Dell'Aringa, C., Lucifora, C. and Origo, F., 2007. Public sector pay and regional competitiveness. A first look at regional public-private wage differentials in Italy. *The Manchester School*, 75(4), pp.445-478.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1467-9957.2007.01025.x>

Li, H., Cheng, S. and Haynes, K.E., 2011. The employment effects of new business formation: a regional perspective. *Economic Development Quarterly*, 25(3), pp.282-292.

https://journals.sagepub.com/doi/abs/10.1177/0891242411407310?casa_token=d3ubIKngCRoA AAAA%3Am0kzWetdFjXBq6OddJQDOCAupnPUfXLUNyaRMyZArpRhLOq3STBoGR-QjiH7mJt1VMgG0Zx-y3hE

Li, T., Corcoran, J., Pullar, D., Robson, A. and Stimson, R., 2009. A geographically weighted regression method to spatially disaggregate regional employment forecasts for South East Queensland. *Applied Spatial Analysis and Policy*, 2(2), pp.147-175.

<https://link.springer.com/article/10.1007/s12061-008-9015-3>

Nelson, P.B., 2008. Life-course influences on nonearnings income migration in the United States. *Environment and Planning A*, 40(9), pp.2149-2168.

https://journals.sagepub.com/doi/abs/10.1068/a39243?casa_token=H8FTtil-QD0AAAAA%3Aw0RINuw8g7p10ICF_yDN4MoNfDB5CV5khoz2vx7OwXfXbL7XiYBzcDxeZkRVVqMPa10eESMitDj

Shearmur, R., Apparicio, P., Lizion, P. and Polèse, M., 2007. Space, time, and local employment growth: An application of spatial regression analysis. *Growth and Change*, 38(4), pp.696-722.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1468-2257.2007.00393.x>

Deller, S.C., 2010. Spatial Variations in the Role of Microenterprises in Economic Growth. *Review of Regional Studies*, 40(1).
https://s3.amazonaws.com/academia.edu.documents/39883372/Spatial_Variations_in_the_Role_of_Microe20151110-4772-m0i3sd.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1543707681&Signature=gRIKA%2BV2X6MkDUS5hZJLjQojkWU%3D&response-content-disposition=inline%3B%20filename%3DSpatial_variations_in_the_role_of_microe.pdf

Sassi, M., 2010. OLS and GWR approaches to agricultural convergence in the EU-15. *International Advances in Economic Research*, 16(1), pp.96-108.
<https://link.springer.com/article/10.1007/s11294-009-9246-3>

Cheng, S. and Li, H., 2011. Spatially varying relationships of new firm formation in the United States. *Regional Studies*, 45(6), pp.773-789.
https://rsa.tandfonline.com/doi/abs/10.1080/00343401003713415?casa_token=lZuQgAc2UIsAAA:AAA:PUDrWEaAMpjPIXzO8nZkeQpf05pkDnhmz_RXLIBSa6WxaJ6p7sBsKDijXZr5ITaALC9TpyIrlso0#.XAMj8ehKi00

Breitenecker, R.J. and Harms, R., 2010. Dealing with spatial heterogeneity in entrepreneurship research. *Organizational Research Methods*, 13(1), pp.176-191.
https://journals.sagepub.com/doi/abs/10.1177/1094428109338871?casa_token=L5o-4CgNwssAAAAA%3AWUxLWMCnPF4CWU74NrnHZgURuOGGer0BiCSPmVRRxswcVE0Q_cPkQArfLS3T9JaH57lo3N5Xmm

Saefuddin, A., Setiabudi, N.A. and Achsani, N.A., 2011. Comparisson between Ordinary Linear Regression and Geographically Weighted Regression: With Application to Indonesian Poverty Data. *European Journal of Scientific Research*, 57(2), pp.275-285.
http://achsani.blog.mb.ipb.ac.id/files/2011/08/mb.ipb.ac.id_EJSR_57_2_10.pdf

Guillain, R. and Le Gallo, J., 2010. Employment density in Ile-de-France: evidence from local regressions. In *Progress in Spatial Analysis* (pp. 233-251). Springer, Berlin, Heidelberg.
https://link.springer.com/chapter/10.1007/978-3-642-03326-1_12

Su, L., Kirilenko, A.P. and Stepchenkova, S., 2020. The effect of geographical and personal proximity on online discussions of service failure incidents. *Current Issues in Tourism*, 23(18), pp.2230-2234.
<https://doi.org/10.1080/13683500.2019.1638352>

Li, T., Cao, X., Qiu, M. and Li, Y., 2020. Exploring the Spatial Determinants of Rural Poverty in the Interprovincial Border Areas of the Loess Plateau in China: A Village-Level Analysis Using Geographically Weighted Regression. *ISPRS International Journal of Geo-Information*, 9(6), p.345.

<https://doi.org/10.3390/ijgi9060345>

Jiang, W., Wang, Y., Dou, M., Liu, S., Shao, S. and Liu, H., 2019. Solving competitive location problems with social media data based on customers' local sensitivities. *ISPRS International Journal of Geo-Information*, 8(5), p.202.

<https://doi.org/10.3390/ijgi8050202>

Yang, X.T., Qiu, X.P., Fang, Y.P., Xu, Y. and Zhu, F.B., 2019. Spatial variation of the relationship between transport accessibility and the level of economic development in Qinghai-Tibet Plateau, China. *Journal of Mountain Science*, 16(8), pp.1883-1900.

<https://link.springer.com/article/10.1007/s11629-018-5369-4>

Bergeaud, A. and Raimbault, J., 2020. An empirical analysis of the spatial variability of fuel prices in the United States. *Transportation Research Part A: Policy and Practice*, 132, pp.131-143.

<https://doi.org/10.1016/j.tra.2019.10.016>

Canello, J. and Vidoli, F., 2020. Investigating space-time patterns of regional industrial resilience through a micro-level approach: An application to the Italian wine industry. *Journal of Regional Science*.

<https://doi.org/10.1111/jors.12480>

Locurcio, M., Morano, P., Tajani, F. and Di Liddo, F., 2020. An innovative GIS-based territorial information tool for the evaluation of corporate properties: An application to the Italian context. *Sustainability*, 12(14), p.5836.

<https://doi.org/10.3390/su12145836>

Rybarczyk, G., Taylor, D., Brines, S. and Wetzel, R., 2020. A Geospatial Analysis of Access to Ethnic Food Retailers in Two Michigan Cities: Investigating the Importance of Outlet Type within Active Travel Neighborhoods. *International Journal of Environmental Research and Public Health*, 17(1), p.166.

<https://doi.org/10.3390/ijerph17010166>

Xu, J., Song, J., Li, B., Liu, D., Wei, D. and Cao, X., 2020. Do settlements isolation and land use changes affect poverty? Evidence from a mountainous province of China. *Journal of Rural Studies*.

<https://doi.org/10.1016/j.jrurstud.2020.04.018>

Wei, G., Sun, P., Zhang, Z. and Ouyang, X., 2020. The Coordinated Relationship between Investment Potential and Economic Development and Its Driving Mechanism: A Case Study of the African Region. *Sustainability*, 12(1), p.442.

<https://doi.org/10.3390/su12010442>

Jain, M., Korzhenevych, A. and Sridharan, N., 2019. Determinants of growth in non-municipal areas of Delhi: rural–urban dichotomy revisited. *Journal of Housing and the Built Environment*, 34(3), pp.715-734.

<https://link.springer.com/article/10.1007/s10901-019-09655-1>

Mulamba, K.C. and Tregenna, F., 2020. Spatially varying relationships between municipal operating expenditure and its determinants: The case of South Africa. *Journal of Regional Science*, 60(2), pp.396-420.

<https://doi.org/10.1111/jors.12458>

Samad, N.S.A., Abdul-Rahim, A.S., Yusof, M.J.M. and Tanaka, K., 2020. Assessing the economic value of urban green spaces in Kuala Lumpur. *Environmental Science and Pollution Research*, pp.1-24.

<https://link.springer.com/article/10.1007%2Fs11356-019-07593-7>

Song, Z., Wang, C. and Bergmann, L., 2020. China’s prefectural digital divide: Spatial analysis and multivariate determinants of ICT diffusion. *International Journal of Information Management*, p.102072.

<https://doi.org/10.1016/j.ijinfomgt.2020.102072>

Li, Z., Li, Y., Xing, A., Zhuo, Z., Zhang, S., Zhang, Y. and Huang, Y., 2019. Spatial Prediction of Soil Salinity in a Semiarid Oasis: Environmental Sensitive Variable Selection and Model Comparison. *Chinese Geographical Science*, 29(5), pp.784-797.

<https://link.springer.com/article/10.1007/s11769-019-1071-x>

Kubiszewski, I., Jarvis, D. and Zakariyya, N., 2019. Spatial variations in contributors to life satisfaction: An Australian case study. *Ecological Economics*, 164, p.106345.

<https://doi.org/10.1016/j.ecolecon.2019.05.025>

Cortés, Y. and Iturra, V., 2019. Market versus public provision of local goods: An analysis of amenity capitalization within the Metropolitan Region of Santiago de Chile. *Cities*, 89, pp.92-104.

<https://doi.org/10.1016/j.cities.2019.01.015>

Pede, V.O., Barboza, G., Sparks, A.H. and McKinley, J., 2018. The inequality-growth link revisited with spatial considerations: the case of provinces in the Philippines. *Journal of the Asia Pacific Economy*, 23(3), pp.411-427.

<https://doi.org/10.1080/13547860.2018.1503765>

Qiu, F., Chen, Y., Tan, J., Liu, J., Zheng, Z. and Zhang, X., 2020. Spatial-temporal Heterogeneity of Green Development Efficiency and Its Influencing Factors in Growing Metropolitan Area: A Case Study for the Xuzhou Metropolitan Area. *Chinese Geographical Science*, 30, pp.352-365.

<https://link.springer.com/article/10.1007%2Fs11769-020-1114-3>

Pérez González, M.D.C. and Valiente Palma, L., 2020. The “business–territory” relationship of cooperative societies as compared to the conventional business sector in the region of Andalusia. *Annals of Public and Cooperative Economics*.

<https://doi.org/10.1111/apce.12282>

Karahasan, B.C., 2020. Winners and losers of rapid growth in Turkey: Analysis of the spatial variability of convergence. *Papers in Regional Science*, 99(3), pp.603-644.

<https://doi.org/10.1111/pirs.12496>

Alvarez-Diaz, M., D'Hombres, B., Ghisetti, C. and Pontarollo, N., 2020. Analysing domestic tourism flows at the provincial level in Spain by using spatial gravity models. *International Journal of Tourism Research*.

<https://doi.org/10.1002/jtr.2344>

Chłoń-Domińczak, A., Fiedukowicz, A. and Olszewski, R., 2020. Geographical and Economic Factors Affecting the Spatial Distribution of Micro, Small, and Medium Enterprises: An Empirical Study of The Kujawsko-Pomorskie Region in Poland. *ISPRS International Journal of Geo-Information*, 9(7), p.426.

<https://doi.org/10.3390/ijgi9070426>

Amoako Johnson, F., Abu, M. and Utazi, C.E., 2019. Geospatial correlates of early marriage and union formation in Ghana. *PloS one*, 14(10), p.e0223296.

<https://doi.org/10.1371/journal.pone.0223296>

Xu, J. and Jin, C., 2019. Exploring spatiotemporal heterogeneity in online travel searches: a local spatial model approach. *Geografisk Tidsskrift-Danish Journal of Geography*, 119(2), pp.146-162.

<https://doi.org/10.1080/00167223.2019.1601575>

Ma, Y., Ling, C. and Wu, J., 2020. Exploring the Spatial Distribution Characteristics of Emotions of Weibo Users in Wuhan Waterfront Based on Gender Differences Using Social Media Texts. *ISPRS International Journal of Geo-Information*, 9(8), p.465.

<https://doi.org/10.3390/ijgi9080465>

Liu, C. and Fuhrmann, S., 2020. Analyzing relationship between user-generated content and local visual information with augmented reality-based location-based social networks. *Transactions in GIS*.

<https://doi.org/10.1111/tgis.12630>

Li, X., Wang, X., Zhang, Y. and Miao, X., 2020. Spatial Differences in Emission Reduction Effect of Servitization of Manufacturing Industry Export in China. *Emerging Markets Finance and Trade*, pp.1-25.

<https://doi.org/10.1080/1540496X.2020.1799782>

Xu, D., Huang, Z., Hou, G. and Zhang, C., 2020. The spatial spillover effects of haze pollution on inbound tourism: evidence from mid-eastern China. *Tourism Geographies*, 22(1), pp.83-104.

<https://doi.org/10.1080/14616688.2019.1612464>

Li, M. and Wang, J., 2020. Spatial-temporal distribution characteristics and driving mechanism of green total factor productivity in China's logistics industry. *Polish Journal of Environmental Studies*, 30(1), pp.201-213.

<https://doi.org/10.15244/pjoes/121046>

Xiang, Z., Ban, P. and Yuan, Q., 2020. Measurement of the Income Difference of Rural Residents in Peri-Urbanized Areas and Its Influencing Factors: Evidence from Nanhai, Foshan, China. *Sustainability*, 12(20), p.8382.

<https://doi.org/10.3390/su12208382>

Furková, A. and Chocholatá, M., 2020. Spatial econometric approach to the EU regional employment process. *Central European Journal of Operations Research*, pp.1-20.

<https://link.springer.com/article/10.1007/s10100-020-00714-5>

He, X., Mai, X. and Shen, G., 2021. Poverty and Physical Geographic Factors: An Empirical Analysis of Sichuan Province Using the GWR Model. *Sustainability*, 13(1), p.100.

<https://doi.org/10.3390/su13010100>

Wang, D., Zhou, T. and Wang, M., 2021. Information and communication technology (ICT), digital divide and urbanization: Evidence from Chinese cities. *Technology in Society*, 64, p.101516.

<https://doi.org/10.1016/j.techsoc.2020.101516>

Zhou, K., Yin, Y., Li, H. and Shen, Y., 2021. Driving factors and spatiotemporal effects of environmental stress in urban agglomeration: Evidence from the Beijing-Tianjin-Hebei region of China. *Journal of Geographical Sciences*, 31(1), pp.91-110.

<https://link.springer.com/article/10.1007/s11442-021-1834-z>

Felsenstein, D., Elbaum, E., Levi, T. and Calvo, R., 2021. Post-processing HAZUS earthquake damage and loss assessments for individual buildings. *Natural Hazards*, 105(1), pp.21-45.

<https://link.springer.com/article/10.1007/s11069-020-04293-1>

Lee, Y.J.A., Kim, J. and Jang, S., 2021. Intertemporal Tourism Clusters and Community Resilience. *The Professional Geographer*, pp.1-6.

<https://doi.org/10.1080/00330124.2021.1871768>

He, X., Mai, X. and Shen, G., 2021. Poverty and Physical Geographic Factors: An Empirical Analysis of Sichuan Province Using the GWR Model. *Sustainability*, 13(1), p.100.

<https://doi.org/10.3390/su13010100>

Li, M. and Wang, J., 2021. The productivity effects of two-way FDI in China's logistics industry based on system GMM and GWR model. *Journal of Ambient Intelligence and Humanized Computing*, pp.1-15.

<https://link.springer.com/article/10.1007/s12652-021-03314-6>

Wang, J., Ye, S. and Qi, X., 2021. Regional Equity and Influencing Factor of Social Assistance in China. *Chinese Geographical Science*, pp.1-18.

<https://link.springer.com/article/10.1007/s11769-021-1195-7>

Karayazi, S.S., Dane, G. and Vries, B.D., 2021. Utilizing Urban Geospatial Data to Understand Heritage Attractiveness in Amsterdam. *ISPRS International Journal of Geo-Information*, 10(4), p.198.

<https://doi.org/10.3390/ijgi10040198>

Agovino, M., Marchesano, K. and Musella, G., 2021. Inequality and regressivity in Italian waste taxation. Is there an alternative route?. *Waste Management*, 122, pp.1-14.

<https://doi.org/10.1016/j.wasman.2020.12.035>

Vicens, R.S., Cruz, C.B.M. and Amaral, F.G., 2021. Recent Evolution (1988-2018) of Coffee Crops Area in the State of Rio de Janeiro, Brazil. *Geographical Review*, (just-accepted).

<https://doi.org/10.1080/00167428.2021.1941015>

Xue, C.L., Zhang, H.Q., Zou, T., Sun, Z.J. and Cheng, X.Y., 2021. Ecological quality and its relationships with human activities in China-Laos railway economic belt. *Ying Yong Sheng tai xue bao= The Journal of Applied Ecology*, 32(2), pp.638-648.

<https://doi.org/10.13287/j.1001-9332.202102.011>

Ecosystem:

Gil-Tena, A., Lecerf, R. and Ernoult, A., 2013. Disentangling community assemblages to depict an indicator of biological connectivity: A regional study of fragmented semi-natural grasslands. *Ecological indicators*, 24, pp.48-55.

<https://www.sciencedirect.com/science/article/pii/S1470160X1200221X>

Yang, S., Zhang, H., Zhang, C., Li, W., Guo, L. and Chen, J., 2019. Predicting soil organic matter content in a plain-to-hill transition belt using geographically weighted regression with stratification. *Archives of Agronomy and Soil Science*, (just-accepted).

<https://www.tandfonline.com/doi/abs/10.1080/03650340.2019.1576171>

Lugoi, L.P., Bamutaze, Y., Martinsen, V., Dick, Ø.B. and Almås, Å.R., 2019. Ecosystem productivity response to environmental forcing, prospect for improved rain-fed cropping productivity in lake Kyoga Basin. *Applied Geography*, 102, pp.1-11.

<https://www.sciencedirect.com/science/article/pii/S014362281731336X>

Rezaei, M., Farajzadeh, M., Ghavidel, Y. and Alam, K., 2018. Spatio-temporal variability of aerosol characteristics in Iran using remotely sensed datasets. *Pollution*, 4(1), pp.53-67.

https://jpoll.ut.ac.ir/article_64329.html

Gholizadeh, H. and Robeson, S.M., 2016. Revisiting empirical ocean-colour algorithms for remote estimation of chlorophyll-a content on a global scale. *International Journal of Remote Sensing*, 37(11), pp.2682-2705.

<https://www.tandfonline.com/doi/abs/10.1080/01431161.2016.1183834>

Perugini, M., Nuñez, E.G.H., Baldi, L., Esposito, M., Serpe, F.P. and Amorena, M., 2012. Predicting dioxin-like PCBs soil contamination levels using milk of grazing animal as indicator. *Chemosphere*, 89(8), pp.964-969.

<https://www.sciencedirect.com/science/article/pii/S0045653512008612>

Schoeman, M.C., Cotterill, F.P.D., Taylor, P.J. and Monadjem, A., 2013. Using potential distributions to explore environmental correlates of bat species richness in southern Africa: effects of model selection and taxonomy. *Current Zoology*, 59(3).

https://www.researchgate.net/profile/Corrie_Schoeman/publication/237047111_Using_potential_distributions_to_explore_environmental_correlates_of_bat_species_richness_in_southern_Africa_Effects_of_model_selection_and_taxonomy/links/02e7e51c8ab3d49499000000/Using-potential-distributions-to-explore-environmental-correlates-of-bat-species-richness-in-southern-Africa-Effects-of-model-selection-and-taxonomy.pdf

Harms, T.K., Wentz, E.A. and Grimm, N.B., 2009. Spatial heterogeneity of denitrification in semi-arid floodplains. *Ecosystems*, 12(1), pp.129-143.

<https://link.springer.com/article/10.1007/s10021-008-9212-6>

Martínez-Harms, M.J., Quijas, S., Merenlender, A.M. and Balvanera, P., 2016. Enhancing ecosystem services maps combining field and environmental data. *Ecosystem Services*, 22, pp.32-40.

<https://www.sciencedirect.com/science/article/pii/S2212041616303321>

Feng, Y., Liu, Y. and Chen, X., 2018. Modeling Monthly Spatial Distribution of *Ommastrephes bartramii* CPUE in the Northwest Pacific and Its Spatially Nonstationary Relationships with the Marine Environment. *Journal of Ocean University of China*, 17(3), pp.647-658.

<https://link.springer.com/article/10.1007/s11802-018-3495-9>

Sha, Z., Xie, Y., Tan, X., Bai, Y., Li, J. and Liu, X., 2017. Assessing the impacts of human activities and climate variations on grassland productivity by partial least squares structural equation modeling (PLS-SEM). *Journal of Arid Land*, 9(4), pp.473-488.

<https://link.springer.com/article/10.1007/s40333-017-0022-6>

Li, B., Cao, J., Guan, L., Mazur, M., Chen, Y., Wahle, R.A. and Handling editor: Manuel Hidalgo, 2018. Estimating spatial non-stationary environmental effects on the distribution of species: a case study from American lobster in the Gulf of Maine. *ICES Journal of Marine Science*, 75(4), pp.1473-1482.

<https://academic.oup.com/icesjms/article-abstract/75/4/1473/4939311>

Monteys, X., Harris, P., Caloca, S. and Cahalane, C., 2015. Spatial prediction of coastal bathymetry based on multispectral satellite imagery and multibeam data. *Remote Sensing*, 7(10), pp.13782-13806.

<https://www.mdpi.com/2072-4292/7/10/13782/htm>

Floury, M., Souchon, Y. and Looy, K.V., 2018. Climatic and trophic processes drive long-term changes in functional diversity of freshwater invertebrate communities. *Ecography*, 41(1), pp.209-218.

<https://onlinelibrary.wiley.com/doi/full/10.1111/ecog.02701>

Maselli, F., Chiesi, M. and Corona, P., 2014. Use of geographically weighted regression to enhance the spatial features of forest attribute maps. *Journal of Applied Remote Sensing*, 8(1), p.083533.

<https://www.spiedigitallibrary.org/journals/Journal-of-Applied-Remote-Sensing/volume-8/issue-1/083533/Use-of-geographically-weighted-regression-to-enhance-the-spatial-features/10.1117/1.JRS.8.083533.short?SSO=1>

Liu, Q., Li, M., Duan, J., Wu, H. and Hong, X., 2013. Analysis on influence factors of soil Pb and Cd in agricultural soil of Changsha suburb based on geographically weighted regression model. *Transactions of the Chinese Society of Agricultural Engineering*, 29(3), pp.225-234.

<https://www.ingentaconnect.com/content/tcsae/tcsae/2013/00000029/00000003/art00030>

Sadorus, L.L., Mantua, N.J., Essington, T., Hickey, B. and Hare, S., 2014. Distribution patterns of Pacific halibut (*Hippoglossus stenolepis*) in relation to environmental variables along the continental shelf waters of the US West Coast and southern British Columbia. *Fisheries oceanography*, 23(3), pp.225-241.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/fog.12057>

Ochoa-Ochoa, L.M., Campbell, J.A. and Flores-Villela, O.A., 2014. Patterns of richness and endemism of the Mexican herpetofauna, a matter of spatial scale?. *Biological Journal of the Linnean Society*, 111(2), pp.305-316.

<https://academic.oup.com/biolinnean/article/111/2/305/2415748>

Wilson, J.D., Barker, S. and Ridgwell, A., 2012. Assessment of the spatial variability in particulate organic matter and mineral sinking fluxes in the ocean interior: Implications for the ballast hypothesis. *Global Biogeochemical Cycles*, 26(4).

<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2012GB004398>

Bierman, P., Lewis, M., Ostendorf, B. and Tanner, J., 2011. A review of methods for analysing spatial and temporal patterns in coastal water quality. *Ecological Indicators*, 11(1), pp.103-114.

<https://www.sciencedirect.com/science/article/pii/S1470160X09001861>

through a Geographically, U.C.E. and Model, W.A., 2004. 11 Places and Relationships in Ecological Inference. *Ecological Inference*, p.245.

https://books.google.co.uk/books?hl=en&lr=&id=g0G4Gx_kx6gC&oi=fnd&pg=PA245&ots=NH4zEQ9HJJ&sig=F5zKtE2mYHZ88lsFIFTItUVyrIs#v=onepage&q&f=false

Calvo, E. and Escolar, M., 2003. *Places and relationships in ecological inference: uncovering contextual effects through a geographically weighted autoregressive model*. na.
https://s3.amazonaws.com/academia.edu.documents/42680578/Places_and_relationships_in_ecological_i20160214-26747-1eicyvu.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1546822658&Signature=y2lexq0TSYX7S0NV%2BhULBgge3OQ%3D&response-content-disposition=inline%3B%20filename%3DPlaces_and_relationships_in_ecological_i.pdf

Shi, H., Laurent, E.J., LeBouton, J., Racevskis, L., Hall, K.R., Donovan, M., Doepker, R.V., Walters, M.B., Lupi, F. and Liu, J., 2006. Local spatial modeling of white-tailed deer distribution. *Ecological Modelling*, 190(1-2), pp.171-189.
<https://www.sciencedirect.com/science/article/pii/S030438000500219X>

Calvo, E. and Escolar, M., 2003. The local voter: A geographically weighted approach to ecological inference. *American Journal of Political Science*, 47(1), pp.189-204.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/1540-5907.00013>

JAMALUDDIN, J., AZHAR, B. and CHONG, P., 2018. ESTIMATING WILDLIFE OCCURRENCE IN PENINSULAR MALAYSIA USING GWR4. *THE MALAYSIAN FORESTER*, 81(1), pp.55-63.
[http://malaysianforester.my/admin/content/MF81\(1\)_P5.pdf](http://malaysianforester.my/admin/content/MF81(1)_P5.pdf)

Starking-Szymanski, M.D., Yoder-Nowak, T., Rybarczyk, G. and Dawson, H.A., 2018. Movement and habitat use of headstarted Blanding's turtles in Michigan. *The Journal of Wildlife Management*, 82(7), pp.1516-1527.
<https://wildlife.onlinelibrary.wiley.com/doi/abs/10.1002/jwmg.21530>

Shi, Y., Surr, H., Jiang, Z. and Lu, B., 2018, June. Assessment and Spatially Varying Causes Exploration of Ecosystem Health: A Case Study of Wuhan, China. In *2018 26th International Conference on Geoinformatics* (pp. 1-5). IEEE.
<https://ieeexplore.ieee.org/abstract/document/8557065>

Halls, J. and Randall, A., 2018. Nesting Patterns of Loggerhead Sea Turtles (*Caretta caretta*): Development of a Multiple Regression Model Tested in North Carolina, USA. *ISPRS International Journal of Geo-Information*, 7(9), p.348.
<https://www.mdpi.com/2220-9964/7/9/348>

Halls, J., Hill, J., Urbanek, R. and Sutton, H., 2018. Distribution Pattern of Red Fox (*Vulpes vulpes*) Dens and Spatial Relationships with Sea Turtle Nests, Recreation, and Environmental Characteristics. *ISPRS International Journal of Geo-Information*, 7(7), p.247.
<https://www.mdpi.com/2220-9964/7/7/247>

Sawut, R., Kasim, N., Abliz, A., Hu, L., Yalkun, A., Maihemuti, B. and Qingdong, S., 2018. Possibility of optimized indices for the assessment of heavy metal contents in soil around an

open pit coal mine area. *International Journal of Applied Earth Observation and Geoinformation*, 73, pp.14-25.

<https://www.sciencedirect.com/science/article/pii/S0303243418301533>

Wang, S., Zhuang, Q., Jia, S., Jin, X. and Wang, Q., 2018. Spatial variations of soil organic carbon stocks in a coastal hilly area of China. *Geoderma*, 314, pp.8-19.

<https://www.sciencedirect.com/science/article/pii/S0016706117308534>

Zhang, D., Jia, Q., Xu, X., Yao, S., Chen, H. and Hou, X., 2018. Contribution of ecological policies to vegetation restoration: A case study from Wuqi County in Shaanxi Province, China. *Land Use Policy*, 73, pp.400-411.

<https://www.sciencedirect.com/science/article/abs/pii/S0264837717312395>

Chao, L., Zhang, K., Li, Z., Zhu, Y., Wang, J. and Yu, Z., 2018. Geographically weighted regression based methods for merging satellite and gauge precipitation. *Journal of Hydrology*, 558, pp.275-289.

<https://www.sciencedirect.com/science/article/pii/S0022169418300490>

Du, Z., Wu, S., Kwan, M.P., Zhang, C., Zhang, F. and Liu, R., 2018. A spatiotemporal regression-kriging model for space-time interpolation: a case study of chlorophyll-a prediction in the coastal areas of Zhejiang, China. *International Journal of Geographical Information Science*, 32(10), pp.1927-1947.

https://www.tandfonline.com/doi/abs/10.1080/13658816.2018.1471607?casa_token=RD3gO4LuqecAAAAA:KFg96XA6VxlxGxHTJT0cqtDBFEq5uiPGVes3uwKHNqbADM5RwTKUMzu8efFbbOg5o_Sk2SCTXACv

Jiang, P., Cheng, Q., Zhuang, Z., Tang, H., Li, M., Cheng, L. and Jin, X., 2018. The dynamic mechanism of landscape structure change of arable landscape system in China. *Agriculture, Ecosystems & Environment*, 251, pp.26-36.

<https://www.sciencedirect.com/science/article/pii/S0167880917304061>

Ren, G., Liu, L. and Zhuo, D., 2016. Analysis of spatial differentiation of landscape ecological quality and its affecting factors in metropolitan suburbs. *Transactions of the Chinese Society of Agricultural Engineering*, 32(21), pp.252-263.

<https://www.ingentaconnect.com/content/tcsae/tcsae/2016/00000032/00000021/art00035>

Govorov, M., Putrenko, V. and Gienko, G., 2017. Mining Spatial Patterns of Distribution of Uranium in Surface and Ground Waters in Ukraine. In *Handbook of Research on Geographic Information Systems Applications and Advancements* (pp. 520-546). IGI Global.

<https://www.igi-global.com/chapter/mining-spatial-patterns-of-distribution-of-uranium-in-surface-and-ground-waters-in-ukraine/170003>

Xiang, H., 2017. Spatio-temporal Modeling of Louisiana Land Subsidence Using High-resolution Geo-spatial Data.

https://digitalcommons.lsu.edu/gradschool_dissertations/4306/

Kim, O.S., Nugent, J.B., Yi, Z.F., Newell, J.P. and Curtis, A.J., 2017. A mixed application of Geographically Weighted Regression and unsupervised classification for analyzing latex yield variability in yunnan, China. *Forests*, 8(5), p.162.

<https://www.mdpi.com/1999-4907/8/5/162/htm>

ȘTEFĂNESCU, D.M., RĂDUȚOIU, D. and Marinescu, E., 2017. The importance of climate, productivity, habitat heterogeneity, and human impact on the distribution of bird of prey species richness across two continents latitudinal gradient (Europe and Africa). *North-Western Journal of Zoology*, 13(2).

http://biozoojournals.ro/nwjz/content/v13n2/nwjz_e161608_Stefanescu.pdf

Alves, D.M.C.C., Diniz-Filho, J.A.F., e Souza, K.D.S., Gouveia, S.F. and Villalobos, F., 2017. Geographic variation in the relationship between large-scale environmental determinants and bat species richness. *Basic and Applied Ecology*.

<https://www.sciencedirect.com/science/article/pii/S1439179117301962>

Qu, M., Li, W., Zhang, C., Huang, B. and Zhao, Y., 2016. Spatial assessment of soil nitrogen availability and varying effects of related main soil factors on soil available nitrogen. *Environmental Science: Processes & Impacts*, 18(11), pp.1449-1457.

<https://pubs.rsc.org/en/content/articlelanding/2016/em/c6em00407e/unauth#!divAbstract>

Rodríguez-Echeverry, J., Echeverría, C., Oyarzún, C. and Morales, L., 2017. Spatial congruence between biodiversity and ecosystem services in a forest landscape in southern Chile: basis for conservation planning. *Bosque*, 38(3), pp.495-506.

<https://scielo.conicyt.cl/pdf/bosque/v38n3/art07.pdf>

Li, Y., Jiao, Y. and Browder, J.A., 2016. Modeling spatially-varying ecological relationships using geographically weighted generalized linear model: A simulation study based on longline seabird bycatch. *Fisheries research*, 181, pp.14-24.

<https://www.sciencedirect.com/science/article/abs/pii/S0165783616300923>

Song, X.D., Zhang, G.L., Liu, F., Li, D.C. and Zhao, Y.G., 2016. Characterization of the spatial variability of soil available zinc at various sampling densities using grouped soil type information. *Environmental monitoring and assessment*, 188(11), p.600.

<https://link.springer.com/article/10.1007/s10661-016-5615-6>

Shrestha, A. and Luo, W., 2017. Analysis of groundwater nitrate contamination in the Central Valley: comparison of the geodetector method, principal component analysis and geographically weighted regression. *ISPRS International Journal of Geo-Information*, 6(10), p.297.

<https://www.mdpi.com/2220-9964/6/10/297/htm>

Liu, C., Wan, R., Jiao, Y. and Reid, K.B., 2017. Exploring non-stationary and scale-dependent relationships between walleye (*Sander vitreus*) distribution and habitat variables in Lake Erie. *Marine and Freshwater Research*, 68(2), pp.270-281.

<http://www.publish.csiro.au/mf/MF15374>

- Ye, H., Huang, W., Huang, S., Huang, Y., Zhang, S., Dong, Y. and Chen, P., 2017. Effects of different sampling densities on geographically weighted regression kriging for predicting soil organic carbon. *Spatial statistics*, 20, pp.76-91.
<https://www.sciencedirect.com/science/article/pii/S2211675317300404>
- Cao, W., Li, R., Chi, X., Chen, N., Chen, J., Zhang, H. and Zhang, F., 2017. Island urbanization and its ecological consequences: A case study in the Zhoushan Island, East China. *Ecological Indicators*, 76, pp.1-14.
<https://www.sciencedirect.com/science/article/pii/S1470160X17300018>
- Shaker, R.R., Yakubov, A.D., Nick, S.M., Vennie-Vollrath, E., Ehlinger, T.J. and Forsythe, K.W., 2017. Predicting aquatic invasion in Adirondack lakes: a spatial analysis of lake and landscape characteristics. *Ecosphere*, 8(3).
<https://esajournals.onlinelibrary.wiley.com/doi/full/10.1002/ecs2.1723>
- Fagúndez, J. and Izco, J., 2016. Diversity patterns of plant place names reveal connections with environmental and social factors. *Applied Geography*, 74, pp.23-29.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622816301709>
- Behnisch, M., Poglitsch, H. and Krüger, T., 2016. Soil sealing and the complex bundle of influential factors: Germany as a case study. *ISPRS International Journal of Geo-Information*, 5(8), p.132.
<https://www.mdpi.com/2220-9964/5/8/132>
- Priori, S., Fantappiè, M., Bianconi, N., Ferrigno, G., Pellegrini, S. and Costantini, E.A., 2016. Field-scale mapping of soil carbon stock with limited sampling by coupling gamma-ray and vis-NIR spectroscopy. *Soil Science Society of America Journal*, 80(4), pp.954-964.
<https://dl.sciencesocieties.org/publications/sssaj/abstracts/80/4/954>
- Calatayud, J., Hortal, J., Medina, N.G., Turin, H., Bernard, R., Casale, A., Ortuño, V.M., Penev, L. and Rodríguez, M.Á., 2016. Glaciations, deciduous forests, water availability and current geographical patterns in the diversity of European Carabus species. *Journal of biogeography*, 43(12), pp.2343-2353.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jbi.12811>
- Wilson, J., 2015. *Constraining marine carbon fluxes in the ocean interior* (Doctoral dissertation, Cardiff University).
<http://orca.cf.ac.uk/74714/>
- Likongwe, P., Kihoro, J., Ngigi, M. and Jamu, D., 2015. Modeling spatial non-stationarity of Chambo in South-East Arm of Lake Malawi. *Asian Journal of Applied Science and Engineering*, 4(2), pp.81-90.
<http://www.journals.abc.us.org/index.php/ajase/article/view/Likongwe-et-al>

Terres, M.A. and Gelfand, A.E., 2015. Using spatial gradient analysis to clarify species distributions with application to South African protea. *Journal of Geographical Systems*, 17(3), pp.227-247.

<https://link.springer.com/article/10.1007/s10109-015-0215-5>

Braga, R.T., de Grande, T.O., de Souza Barreto, B., Diniz-Filho, J.A.F. and Terribile, L.C., 2014. Elucidating the global elapid (Squamata) richness pattern under metabolic theory of ecology. *Acta oecologica*, 56, pp.41-46.

<https://www.sciencedirect.com/science/article/pii/S1146609X14000290>

Shun-hua, Y.A.N.G., Hai-tao, Z.H.A.N.G., Long, G. and Yan, R.E.N., 2015. Spatial interpolation of soil organic matter using regression Kriging and geographically weighted regression Kriging. *Yingyong Shengtai Xuebao*, 26(6).

<https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=10019332&AN=103434098&h=8timnkf8vgT5eG8acUdHg7dEVs25mR8otSqPTiC7rCW/I08D7futmzLIVbl2HdLa97tLgBfIWrdW%2bFdBVZoU6xw%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d10019332%26AN%3d103434098>

Łukawska-Matuszewska, K. and Urbański, J.A., 2014. Prediction of near-bottom water salinity in the Baltic Sea using Ordinary Least Squares and Geographically Weighted Regression models. *Estuarine, Coastal and Shelf Science*, 149, pp.255-263.

<https://www.sciencedirect.com/science/article/pii/S0272771414002431>

Young, J., Iwanowicz, L., Sperry, A. and Blazer, V., 2014. A landscape-based reconnaissance survey of estrogenic activity in streams of the upper Potomac, upper James, and Shenandoah Rivers, USA. *Environmental monitoring and assessment*, 186(9), pp.5531-5545.

<https://link.springer.com/article/10.1007/s10661-014-3801-y>

Holloway, P. and Miller, J.A., 2015. Exploring spatial scale, autocorrelation and nonstationarity of bird species richness patterns. *ISPRS International Journal of Geo-Information*, 4(2), pp.783-798.

<https://www.mdpi.com/2220-9964/4/2/783>

Qu, M., Li, W., Zhang, C., Huang, B. and Zhao, Y., 2014. Spatially nonstationary relationships between copper accumulation in rice grain and some related soil properties in paddy fields at a regional scale. *Soil Science Society of America Journal*, 78(5), pp.1765-1774.

<https://dl.sciencesocieties.org/publications/sssaj/abstracts/78/5/1765>

Mellin, C., Mengersen, K., Bradshaw, C.J.A. and Caley, M.J., 2014. Generalizing the use of geographical weights in biodiversity modelling. *Global ecology and biogeography*, 23(11), pp.1314-1323.

<https://onlinelibrary.wiley.com/doi/full/10.1111/geb.12203>

Hu, X., Hong, W., Qiu, R., Hong, T., Chen, C. and Wu, C., 2015. Geographic variations of ecosystem service intensity in Fuzhou City, China. *Science of The Total Environment*, 512, pp.215-226.

<https://www.sciencedirect.com/science/article/pii/S0048969715000388>

Deschênes, S., 2013. *Modeling Heavy Metals in Soil Using Spatial Regression Analysis* (Doctoral dissertation).

<http://dspace.library.uvic.ca/handle/1828/4577>

ÖZDEMİREL, K., 2013. EXPLORING SPATIAL RELATIONSHIP BETWEEN BUTTERFLY RICHNESS AND ENVIRONMENTAL PREDICTORS AT A LOCAL SCALE IN NORTH-EASTERN TURKEY. *APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH*, 11(3), pp.407-422.

http://epa.niif.hu/02500/02583/00032/pdf/EPA02583_applied_ecology_2013_03_407-422.pdf

Gagliasso, D., 2012. Evaluating the accuracy of imputed forest biomass estimates at the project level.

https://ir.library.oregonstate.edu/concern/graduate_thesis_or_dissertations/qv33s030v

Nissi, E., Sarra, A. and Palermi, S., 2012. Radon Level in Dwellings and Uranium Content in Soil in the Abruzzo Region: A Preliminary Investigation by Geographically Weighted Regression. In *Advanced Statistical Methods for the Analysis of large data-sets* (pp. 265-275). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007/978-3-642-21037-2_24

Tutmez, B., Kaymak, U. and Tercan, A.E., 2012. Local spatial regression models: a comparative analysis on soil contamination. *Stochastic environmental research and risk assessment*, 26(7), pp.1013-1023.

<https://link.springer.com/article/10.1007/s00477-011-0532-2>

Rennermalm, A.K., Bring, A. and Mote, T.L., 2012. Spatial and scale-dependent controls on North American Pan-Arctic minimum river discharge. *Geographical Analysis*, 44(3), pp.202-218.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1538-4632.2012.00849.x>

Choi, D.J. and Suh, Y.C., 2012. Geographically weighted regression on the environmental-ecological factors of human longevity. *Journal of Korean Society for Geospatial Information System*, 20(3), pp.57-63.

http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=JHGGBL_2012_v20n3_57

Freedman, R. and Roy, S.S., 2012. Spatial patterning of *Manta birostris* in United States east coast offshore habitat. *Applied Geography*, 32(2), pp.652-659.

<https://www.sciencedirect.com/science/article/pii/S0143622811001500>

Qiu, B., Zeng, C., Chen, C., Zhang, C. and Zhong, M., 2013. Vegetation distribution pattern along altitudinal gradient in subtropical mountainous and hilly river basin, China. *Journal of Geographical Sciences*, 23(2), pp.247-257.

<https://link.springer.com/article/10.1007/s11442-013-1007-9>

Patriche, C.V. and Vasiliniuc, I., 2009. Aspects regarding the usefulness of Geographically Weighted Regression (GWR) for digital mapping of soil parameters. *Lucrări Științifice*, 52(1), pp.415-420.

https://www.researchgate.net/profile/Cristian_Patriche/publication/216011565_Aspects_regarding_the_usefulness_of_Geographically_Weighted_Regression_GWR_for_digital_mapping_of_soil_parameters/links/0fcfd50a168a94a612000000/Aspects-regarding-the-usefulness-of-Geographically-Weighted-Regression-GWR-for-digital-mapping-of-soil-parameters.pdf

Xie, Y.J. and Ng, C.N., 2013. Exploring spatio-temporal variations of habitat loss and its causal factors in the Shenzhen River cross-border watershed. *Applied Geography*, 39, pp.140-150.

<https://doi.org/10.1016/j.apgeog.2013.01.001>

Colson, M., 2009. Landscape patterns and patch dynamics in Hamilton county over a forty year period: applicability to the conservation of the eastern box turtle.

<https://scholar.utc.edu/theses/232/>

Powney, G.D., Grenyer, R., Orme, C.D.L., Owens, I.P.F. and Meiri, S., 2010. Hot, dry and different: Australian lizard richness is unlike that of mammals, amphibians and birdsgeb_521.

<https://www.tau.ac.il/lifesci/departments/zoology/members/meiri/documents/Powneyetal2010Hotdryanddifferent.pdf>

Nogués-Bravo, D., 2009. Comparing regression methods to predict species richness patterns. *Web Ecology*, 9(1), pp.58-67.

<https://www.web-ecol.net/9/58/2009/we-9-58-2009.html>

Baltensweiler, A. and Zimmermann, S., 2010, July. Modeling soil Acidity in Switzerland using spatial statistics tools. In *Proceedings of the ESRI international user conference, July*(pp. 12-16).

https://www.researchgate.net/profile/Andri_Baltensweiler/publication/267564234_MODELLING_SOIL_ACIDITY_IN_SWITZERLAND_USING_SPATIAL_STATISTICS_TOOLS/links/54e456c20cf2b2314f60227f.pdf

Shaker, R.R. and Ehlinger, T.J., 2014. Exploring non-linear relationships between landscape and aquatic ecological condition in southern Wisconsin: A GWR and ANN approach. *International Journal of Applied Geospatial Research (IJAGR)*, 5(4), pp.1-20.

<https://www.igi-global.com/article/exploring-non-linear-relationships-between-landscape-and-aquatic-ecological-condition-in-southern-wisconsin/119614>

Tenerelli, P., Demšar, U. and Luque, S., 2016. Crowdsourcing indicators for cultural ecosystem services: a geographically weighted approach for mountain landscapes. *Ecological Indicators*, 64, pp.237-248.

<https://www.sciencedirect.com/science/article/pii/S1470160X16000030>

Terribile, L.C. and Diniz-Filho, J.A.F., 2009. Spatial patterns of species richness in New World coral snakes and the metabolic theory of ecology. *Acta Oecologica*, 35(2), pp.163-173.
<https://www.sciencedirect.com/science/article/pii/S1146609X08001446>

Miller, J.A. and Hanham, R.Q., 2011. Spatial nonstationarity and the scale of species–environment relationships in the Mojave Desert, California, USA. *International Journal of Geographical Information Science*, 25(3), pp.423-438.
<https://doi.org/10.1080/13658816.2010.518147>

Xie, Z., Zhang, C. and Berry, L., 2013. Geographically weighted modelling of surface salinity in Florida Bay using Landsat TM data. *Remote sensing letters*, 4(1), pp.75-83.
<https://www.tandfonline.com/doi/abs/10.1080/2150704X.2012.693218>

Wang, K., Zhang, C. and Li, W., 2012. Comparison of geographically weighted regression and regression kriging for estimating the spatial distribution of soil organic matter. *GIScience & Remote Sensing*, 49(6), pp.915-932.
https://www.tandfonline.com/doi/abs/10.2747/15481603.49.6.915?casa_token=wx1GONpNPIIAAAAA:toKVyGNbDauyMXNEWJ9ZYmYtMrETlgy5VhanKMRHgYbzdq95Grlt5bMc2vn93vjN6Dm94DV5kHKM

Foody, G.M., 2008. Refining predictions of climate change impacts on plant species distribution through the use of local statistics. *Ecological Informatics*, 3(3), pp.228-236.
<https://www.sciencedirect.com/science/article/pii/S1574954108000101>

Wang, K., Zhang, C.R., Li, W.D., Lin, J. and Zhang, D.X., 2014. Mapping soil organic matter with limited sample data using geographically weighted regression. *Journal of Spatial Science*, 59(1), pp.91-106.
<https://www.tandfonline.com/doi/abs/10.1080/14498596.2013.812024>

Propastin, P., 2011. Multiscale analysis of the relationship between topography and aboveground biomass in the tropical rainforests of Sulawesi, Indonesia. *International Journal of Geographical Information Science*, 25(3), pp.455-472.
<https://www.tandfonline.com/doi/abs/10.1080/13658816.2010.518570>

Sheehan, K.R., Strager, M.P. and Welsh, S.A., 2013. Advantages of geographically weighted regression for modeling benthic substrate in two Greater Yellowstone ecosystem streams. *Environmental Modeling & Assessment*, 18(2), pp.209-219.
<https://link.springer.com/article/10.1007/s10666-012-9334-2>

Yang, S.H., Liu, F., Song, X.D., Lu, Y.Y., Li, D.C., Zhao, Y.G. and Zhang, G.L., 2019. Mapping topsoil electrical conductivity by a mixed geographically weighted regression kriging: A case study in the Heihe River Basin, northwest China. *Ecological Indicators*, 102, pp.252-264.
<https://doi.org/10.1016/j.ecolind.2019.02.038>

Park, J., Choi, B. and Lee, J., 2019. Spatial Distribution Characteristics of Species Diversity Using Geographically Weighted Regression Model. *Sensors and Materials*, 31(10), pp.3197-3213.

<https://doi.org/10.18494/SAM.2019.2300>

Liu, S., Dong, Y., Sun, Y., Li, J., An, Y. and Shi, F., 2019. Modelling the spatial pattern of biodiversity utilizing the high-resolution tree cover data at large scale: Case study in Yunnan province, Southwest China. *Ecological Engineering*, 134, pp.1-8.

<https://doi.org/10.1016/j.ecoleng.2019.05.001>

Li, Y., Zhang, Y., He, D., Luo, X. and Ji, X., 2019. Spatial downscaling of the tropical rainfall measuring mission precipitation using geographically weighted regression Kriging over the Lancang River Basin, China. *Chinese Geographical Science*, 29(3), pp.446-462.

<https://link.springer.com/article/10.1007/s11769-019-1033-3>

Li, W., Wang, Y., Xie, S., Sun, R. and Cheng, X., 2020. Impacts of landscape multifunctionality change on landscape ecological risk in a megacity, China: A case study of Beijing. *Ecological Indicators*, 117, p.106681.

<https://doi.org/10.1016/j.ecolind.2020.106681>

Huang, J., Qu, B., Fang, G., Li, X. and Zong, S., 2020. The drivers of the Asian longhorned beetle disaster show significant spatial heterogeneity. *Ecological Indicators*, 117, p.106680.

<https://doi.org/10.1016/j.ecolind.2020.106680>

Zhu, C., Zhang, X., Zhou, M., He, S., Gan, M., Yang, L. and Wang, K., 2020. Impacts of urbanization and landscape pattern on habitat quality using OLS and GWR models in Hangzhou, China. *Ecological Indicators*, 117, p.106654.

<https://doi.org/10.1016/j.ecolind.2020.106654>

Barreto, E., Graham, C.H. and Rangel, T.F., 2019. Environmental factors explain the spatial mismatches between species richness and phylogenetic diversity of terrestrial mammals. *Global Ecology and Biogeography*, 28(12), pp.1855-1865.

<https://doi.org/10.1111/geb.12999>

Inman, R., Fotheringham, A.S., Franklin, J., Esque, T., Edwards, T. and Nussear, K., 2019. Local niche differences predict genotype associations in sister taxa of desert tortoise. *Diversity and Distributions*, 25(8), pp.1194-1209.

<https://doi.org/10.1111/ddi.12927>

Tripathi, P., Behera, M.D. and Roy, P.S., 2019. Plant invasion correlation with climate anomaly: an Indian retrospect. *Biodiversity and Conservation*, 28(8-9), pp.2049-2062.

<https://link.springer.com/article/10.1007/s10531-019-01711-0>

Ye, X., Yu, X. and Wang, T., 2020. Investigating spatial non-stationary environmental effects on the distribution of giant pandas in the Qinling Mountains, China. *Global Ecology and Conservation*, 21, p.e00894.

<https://doi.org/10.1016/j.gecco.2019.e00894>

Chien, Y.M.C., Carver, S. and Comber, A., 2020. Using geographically weighted models to explore how crowdsourced landscape perceptions relate to landscape physical characteristics. *Landscape and Urban Planning*, 203, p.103904.

<https://doi.org/10.1016/j.landurbplan.2020.103904>

Liu, C., Wu, X. and Wang, L., 2019. Analysis on land ecological security change and affect factors using RS and GWR in the Danjiangkou Reservoir area, China. *Applied Geography*, 105, pp.1-14.

<https://doi.org/10.1016/j.apgeog.2019.02.009>

Wan, J.Z., 2020. Pasture availability as a spatial indicator of grassland root turnover time on a global scale. *Ecological Indicators*, 111, p.105985.

<https://doi.org/10.1016/j.ecolind.2019.105985>

Ou, G., Lv, Y., Xu, H. and Wang, G., 2019. Improving Forest Aboveground Biomass Estimation of Pinus densata Forest in Yunnan of Southwest China by Spatial Regression using Landsat 8 Images. *Remote Sensing*, 11(23), p.2750.

<https://doi.org/10.3390/rs11232750>

Chen, L., Wang, Y., Ren, C., Zhang, B. and Wang, Z., 2019. Optimal combination of predictors and algorithms for forest above-ground biomass mapping from Sentinel and SRTM data. *Remote Sensing*, 11(4), p.414.

<https://doi.org/10.3390/rs11040414>

Jiao, K., Gao, J. and Wu, S., 2019. Climatic determinants impacting the distribution of greenness in China: regional differentiation and spatial variability. *International journal of biometeorology*, 63(4), pp.523-533.

<https://link.springer.com/article/10.1007/s00484-019-01683-4>

Sun, X., Tang, H., Yang, P., Hu, G., Liu, Z. and Wu, J., 2020. Spatiotemporal patterns and drivers of ecosystem service supply and demand across the conterminous United States: A multiscale analysis. *Science of The Total Environment*, 703, p.135005.

<https://doi.org/10.1016/j.scitotenv.2019.135005>

Roche, P.K. and Campagne, C.S., 2019. Are expert-based ecosystem services scores related to biophysical quantitative estimates?. *Ecological Indicators*, 106, p.105421.

<https://doi.org/10.1016/j.ecolind.2019.05.052>

Hou, W. and Gao, J., 2020. Spatially Variable Relationships between Karst Landscape Pattern and Vegetation Activities. *Remote Sensing*, 12(7), p.1134.

<https://doi.org/10.3390/rs12071134>

Velado-Alonso, E., Morales-Castilla, I., Rebollo, S. and Gómez-Sal, A., 2020. Relationships between the distribution of wildlife and livestock diversity. *Diversity and Distributions*, 26(10), pp.1264-1275.

<https://doi.org/10.1111/ddi.13133>

Menegotto, A., Rangel, T.F., Schrader, J., Weigelt, P. and Kreft, H., 2020. A global test of the subsidized island biogeography hypothesis. *Global Ecology and Biogeography*, 29(2), pp.320-330.

<https://doi.org/10.1111/geb.13032>

Mann, D., Anees, M.M., Rankavat, S. and Joshi, P.K., 2020. Spatio-temporal variations in landscape ecological risk related to road network in the Central Himalaya. *Human and Ecological Risk Assessment: An International Journal*, pp.1-18.

<https://doi.org/10.1080/10807039.2019.1710693>

Guo, L., Zuo, L., Gao, J., Jiang, Y., Zhang, Y., Ma, S., Zou, Y. and Wu, S., 2020. Revealing the Fingerprint of Climate Change in Interannual NDVI Variability among Biomes in Inner Mongolia, China. *Remote Sensing*, 12(8), p.1332.

<https://doi.org/10.3390/rs12081332>

Mirchooli, F., Kiani-Harchegani, M., Darvishan, A.K., Falahatkar, S. and Sadeghi, S.H., 2020. Spatial distribution dependency of soil organic carbon content to important environmental variables. *Ecological Indicators*, 116, p.106473.

<https://doi.org/10.1016/j.ecolind.2020.106473>

Akter, N., Wahiduzzaman, M., Yeasmin, A., Islam, K.S. and Luo, J.J., 2020. Spatial Modelling of Bacterial Diversity over the Selected Regions in Bangladesh by Next-Generation Sequencing: Role of Water Temperature. *Applied Sciences*, 10(7), p.2537.

<https://doi.org/10.3390/app10072537>

Wen, X., 2020. Temporal and spatial relationships between soil erosion and ecological restoration in semi-arid regions: a case study in northern Shaanxi, China. *GIScience & Remote Sensing*, 57(4), pp.572-590.

<https://doi.org/10.1080/15481603.2020.1751406>

Zhao, Y., Sun, R. and Ni, Z., 2019. Identification of Natural and Anthropogenic Drivers of Vegetation Change in the Beijing-Tianjin-Hebei Megacity Region. *Remote Sensing*, 11(10), p.1224.

<https://doi.org/10.3390/rs11101224>

Núñez, G.B., Becker, D.J., Lawrence, R.L. and Plowright, R.K., 2020. Synergistic effects of grassland fragmentation and temperature on bovine rabies emergence. *EcoHealth*, 17(2), pp.203-216.

<https://link.springer.com/article/10.1007/s10393-020-01486-9>

Zhang, D., Xu, X., Yao, S., Zhang, J., Hou, X. and Yin, R., 2020. A novel similar habitat potential model based on sliding-window technique for vegetation restoration potential mapping. *Land Degradation & Development*, 31(6), pp.760-772.

<https://doi.org/10.1002/ldr.3494>

Tian, Y. and Wang, L., 2020. The Effect of Urban-Suburban Interaction on Urbanization and Suburban Ecological Security: A Case Study of Suburban Wuhan, Central China. *Sustainability*, 12(4), p.1600.

<https://doi.org/10.3390/su12041600>

Roy, C.L. and Gregory, A.J., 2019. Landscape genetic evaluation of a tallgrass prairie corridor using the Greater Prairie-chicken (*Tympanuchus cupido*). *Landscape Ecology*, 34(6), pp.1425-1443.

<https://link.springer.com/article/10.1007/s10980-019-00862-3>

Beresford, A.E., Sanderson, F.J., Donald, P.F., Burfield, I.J., Butler, A., Vickery, J.A. and Buchanan, G.M., 2019. Phenology and climate change in Africa and the decline of Afro-Palaearctic migratory bird populations. *Remote Sensing in Ecology and Conservation*, 5(1), pp.55-69.

<https://doi.org/10.1002/rse2.89>

Ballesteros-Mejia, L., Lima, J.S. and Collevatti, R.G., 2020. Spatially-explicit analyses reveal the distribution of genetic diversity and plant conservation status in Cerrado biome. *Biodiversity and Conservation*, 29(5), pp.1537-1554.

<https://link.springer.com/article/10.1007/s10531-018-1588-9>

Vali, A., Ranjbar, A., Mokarram, M. and Taripanah, F., 2020. Investigating the topographic and climatic effects on vegetation using remote sensing and GIS: a case study of Kharestan region, Fars Province, Iran. *Theoretical and Applied Climatology*, 140(1), pp.37-54.

<https://link.springer.com/article/10.1007/s00704-019-03073-7>

Salces-Castellano, A., Patiño, J., Alvarez, N., Andújar, C., Arribas, P., Braojos-Ruiz, J.J., del Arco-Aguilar, M., García-Olivares, V., Karger, D.N., López, H. and Manolopoulou, I., 2020. Climate drives community-wide divergence within species over a limited spatial scale: evidence from an oceanic island. *Ecology Letters*, 23(2), pp.305-315.

<https://doi.org/10.1111/ele.13433>

Lembrechts, J.J., Lenoir, J., Roth, N., Hattab, T., Milbau, A., Haider, S., Pellissier, L., Pauchard, A., Ratier Backes, A., Dimarco, R.D. and Nuñez, M.A., 2019. Comparing temperature data sources for use in species distribution models: From in-situ logging to remote sensing. *Global Ecology and Biogeography*, 28(11), pp.1578-1596.

<https://doi.org/10.1111/geb.12974>

Peng, Y., Bloomfield, K.J. and Prentice, I.C., 2020. A theory of plant function helps to explain leaf-trait and productivity responses to elevation. *New Phytologist*, 226(5), pp.1274-1284.

<https://doi.org/10.1111/nph.16447>

Contador, T., Gañan, M., Bizama, G., Fuentes-Jaque, G., Morales, L., Rendoll, J., Simoes, F., Kennedy, J., Rozzi, R. and Convey, P., 2020. Assessing distribution shifts and ecophysiological characteristics of the only Antarctic winged midge under climate change scenarios. *Scientific Reports*, 10(1), pp.1-12.

<https://www.nature.com/articles/s41598-020-65571-3>

Oliveira, U., Soares-Filho, B., Leitão, R.F.M. and Rodrigues, H.O., 2019. BioDinamica: a toolkit for analyses of biodiversity and biogeography on the Dinamica-EGO modelling platform. *PeerJ*, 7, p.e7213.

<https://peerj.com/articles/7213/>

Kalfas, D.G., Zagkas, D.T., Raptis, D.I. and Zagkas, T.D., 2019. The multifunctionality of the natural environment through the basic ecosystem services in the Florina region, Greece. *International Journal of Sustainable Development & World Ecology*, 26(1), pp.57-68.

<https://doi.org/10.1080/13504509.2018.1489910>

Zheng, J., Hu, Y., Boldanov, T., Bazarzhapov, T., Meng, D., Li, Y. and Dong, S., 2020. Comprehensive assessment of the coupling coordination degree between urbanization and ecological environment in the Siberian and Far East Federal Districts, Russia from 2005 to 2017. *PeerJ*, 8, p.e9125.

https://peerj.com/articles/9125/?utm_source=TrendMD&utm_campaign=PeerJ_TrendMD_0&utm_medium=TrendMD

Behera, M.D., Behera, S.K. and Sharma, S., 2019. Recent advances in biodiversity and climate change studies in India. *Biodiversity and Conservation*, 28, pages, 1943–1951

<https://link.springer.com/article/10.1007/s10531-019-01781-0#citeas>

Ochoa-Ochoa, L.M., Mejía-Domínguez, N.R., Velasco, J.A., Dimitrov, D. and Marske, K.A., 2020. Dimensions of amphibian alpha diversity in the New World. *Journal of Biogeography*, 47(11), pp.2293-2302.

<https://doi.org/10.1111/jbi.13948>

Eccles, K.M., Thomas, P.J. and Chan, H.M., 2021. Spatial patterns of the exposure-response relationship between mercury and cortisol in the fur of river otter (*Lontra canadensis*). *Chemosphere*, 263, p.127992.

<https://doi.org/10.1016/j.chemosphere.2020.127992>

Loc, H.H., Park, E., Thu, T.N., Diep, N.T.H. and Can, N.T., 2021. An enhanced analytical framework of participatory GIS for ecosystem services assessment applied to a Ramsar wetland site in the Vietnam Mekong Delta. *Ecosystem Services*, 48, p.101245.

<https://doi.org/10.1016/j.ecoser.2021.101245>

Morales-Barbero, J., Gouveia, S.F. and Martinez, P.A., 2020. Historical climatic instability predicts the inverse latitudinal pattern in speciation rate of modern mammalian biota. *Journal of Evolutionary Biology*.

<https://doi.org/10.1111/jeb.13737>

Gao, J., Zuo, L. and Liu, W., 2021. Environmental determinants impacting the spatial heterogeneity of karst ecosystem services in Southwest China. *Land Degradation & Development*, 32(4), pp.1718-1731.

<https://doi.org/10.1002/ldr.3815>

Akhtar, M., Zhao, Y. and Gao, G., 2021. An analytical approach for assessment of geographical variation in ecosystem service intensity in Punjab, Pakistan. *Environmental Science and Pollution Research*, pp.1-14.

<https://link.springer.com/article/10.1007/s11356-021-13217-w>

Li, X., Wu, P., Guo, F. and Hu, X., 2021. A geographically weighted regression approach to detect divergent changes in the vegetation activity along the elevation gradients over the last 20 years. *Forest Ecology and Management*, 490, p.119089.

<https://doi.org/10.1016/j.foreco.2021.119089>

Ramos-Bueno, A., Perevochtchikova, M. and Chang, H., 2021. Socio-spatial analysis of residential water demand in Mexico City. *Tecnología y Ciencias del Agua*, 12(2), pp.59-110.

<https://doi.org/10.24850/j-tyca-2021-02-02>

Feng, L., Wang, Y., Zhang, Z. and Du, Q., 2021. Geographically and temporally weighted neural network for winter wheat yield prediction. *Remote Sensing of Environment*, 262, p.112514.

<https://doi.org/10.1016/j.rse.2021.112514>

Yang, M., Gao, X., Zhao, X. and Wu, P., 2021. Scale effect and spatially explicit drivers of interactions between ecosystem services—A case study from the Loess Plateau. *Science of The Total Environment*, 785, p.147389.

<https://doi.org/10.1016/j.scitotenv.2021.147389>

Yu, Q., Feng, C.C., Shi, Y. and Guo, L., 2021. Spatiotemporal interaction between ecosystem services and urbanization in China: Incorporating the scarcity effects. *Journal of Cleaner Production*, p.128392.

<https://doi.org/10.1016/j.jclepro.2021.128392>

Education:

Balcazar, C.F., Ceriani, L., Olivieri, S. and Ranzani, M., 2014. Rent imputation for welfare measurement: A review of methodologies and empirical findings.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622815001009>

Wei, Y.D., Xiao, W., Simon, C.A., Liu, B. and Ni, Y., 2018. Neighborhood, race and educational inequality. *Cities*, 73, pp.1-13.

<https://www.sciencedirect.com/science/article/pii/S0264275117311046>

Timofeeva, A. and Tesselkina, K., 2016, October. Local spatial interaction modelling of graduate flows. In *AIP Conference Proceedings* (Vol. 1772, No. 1, p. 060009). AIP Publishing.
<https://aip.scitation.org/doi/abs/10.1063/1.4964589>

Jin, H. and Lu, Y., 2017. Academic Performance of Texas Public Schools and Its Relationship with Students' Physical Fitness and Socioeconomic Status. *International Journal of Applied Geospatial Research (IJAGR)*, 8(3), pp.37-52.
<https://www.igi-global.com/article/academic-performance-of-texas-public-schools-and-its-relationship-with-students-physical-fitness-and-socioeconomic-status/181575>

Figuroa, L.L., Lim, S. and Lee, J., 2016. Investigating the relationship between school facilities and academic achievements through geographically weighted regression. *Annals of GIS*, 22(4), pp.273-285.
<https://www.tandfonline.com/doi/abs/10.1080/19475683.2016.1231717>

Fotheringham, A.S., Charlton, M.E. and Brunson, C., 2001. Spatial variations in school performance: a local analysis using geographically weighted regression. *Geographical and Environmental Modelling*, 5(1), pp.43-66.
<https://www.tandfonline.com/doi/abs/10.1080/13615930120032617>

Ansong, D., Renwick, C.B., Okumu, M., Ansong, E. and Wabwire, C.J., 2018. Gendered geographical inequalities in junior high school enrollment: Do infrastructure, human, and financial resources matter?. *Journal of Economic Studies*, 45(2), pp.411-425.
<https://www.emeraldinsight.com/doi/abs/10.1108/JES-10-2016-0211>

Shoff, C., Caines, K. and Pines, J.M., 2018. Geographic variation in predictors of emergency department admission rates in US Medicare fee-for-service beneficiaries. *The American journal of emergency medicine*.
<https://www.sciencedirect.com/science/article/pii/S0735675718307113>

Cheng, J. and Fotheringham, A.S., 2013. Multi-scale issues in cross-border comparative analysis. *Geoforum*, 46, pp.138-148.
<https://www.sciencedirect.com/science/article/pii/S001671851300002X>

Rangel, C., 2013. *Choosing success? Inequalities and opportunities in access to school choice in nine United States districts* (Doctoral dissertation, University of Illinois at Urbana-Champaign).
<https://www.ideals.illinois.edu/handle/2142/42318>

Slagle, M., 2010. A comparison of spatial statistical methods in a school finance policy context. *Journal of Education Finance*, pp.199-216.
https://www.jstor.org/stable/pdf/40704411.pdf?casa_token=jLYpiq1qgLAAAAAA:wVbNGQH PKbJD0XH7rIMwHeVxjhZpA8safSJrPWE3LuLF2y06pxjhRAbxhuYJdFxbgxtqbAvRYUVdHiwuOXRiM7X-nxqsYMQaK mexDjXzNhVmXySbsVg

Qiu, X. and Wu, S.S., 2011. Global and local regression analysis of factors of American College Test (ACT) score for public high schools in the state of Missouri. *Annals of the Association of American Geographers*, 101(1), pp.63-83.

https://www.tandfonline.com/doi/abs/10.1080/00045608.2010.518020?casa_token=dWG0176mW-IAAAAA:MRT6Vo4W2O39FBBSZeGSevKfCDpLB-Vjy97SOrChZRFtjvQvYORR4RIGJ6meGr09IuXhwePWtQva

Sage, J.L., When All Miles Are Not the Same: Spatial Non-Stationarity Impacts of Educational Travel Time Requirements.

http://www.agecon.purdue.edu/sea_2010/Sessions/When%20All%20Miles%20Are%20Not%20the%20Same.pdf

Amegbor, P.M. and Rosenberg, M.W., 2019. What geography can tell us? Effect of higher education on intimate partner violence against women in Uganda. *Applied geography*, 106, pp.71-81.

<https://doi.org/10.1016/j.apgeog.2019.03.009>

Dangisso, M.H., Datiko, D.G. and Lindtjørn, B., 2020. Identifying geographical heterogeneity of pulmonary tuberculosis in southern Ethiopia: a method to identify clustering for targeted interventions. *Global Health Action*, 13(1), p.1785737.

<https://doi.org/10.1080/16549716.2020.1785737>

Atac, E., 2019. Modeling educational inequalities: class, academic achievement, and regional differences in Turkey. *Education and Urban Society*, 51(5), pp.659-692.

<https://doi.org/10.1177/0013124517747036>

Energy:

Francisco, E.D.R., Fagundes, E.B., Ponchio, M.C. and Zambaldi, F., 2010. Development of an indicator of propensity to energy commercial losses using geospatial statistical techniques and socio-economic data: the case of AES Eletropaulo. *RAM. Revista de Administração Mackenzie*, 11(4), pp.178-197.

http://www.scielo.br/scielo.php?pid=S1678-69712010000400008&script=sci_arttext

Schultz, C., Alegría, A.C., Cornelis, J. and Sahli, H., 2016. Comparison of spatial and aspatial logistic regression models for landmine risk mapping. *Applied Geography*, 66, pp.52-63.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622815300114>

Sultana, S., Pourebrahim, N. and Kim, H., 2018. Household Energy Expenditures in North Carolina: A Geographically Weighted Regression Approach. *Sustainability*, 10(5), p.1511.

<https://www.mdpi.com/2071-1050/10/5/1511/htm>

Ding, G., Ding, Y. and Weng, P., 2018. Spatial differences in the influence of science popularization resources development on the energy consumption carbon footprint in provincial regions of China. *Energy, Sustainability and Society*, 8(1), p.19.

<https://energysustainsoc.biomedcentral.com/articles/10.1186/s13705-018-0160-5>

Mishra, U. and Mapa, R.B., 2019. National soil organic carbon estimates can improve global estimates. *Geoderma*, 337, pp.55-64.

<https://www.sciencedirect.com/science/article/pii/S0016706118305925>

Guo, L., Luo, M., Zhangyang, C., Zeng, C., Wang, S. and Zhang, H., 2018. Spatial modelling of soil organic carbon stocks with combined principal component analysis and geographically weighted regression. *The Journal of Agricultural Science*, 156(6), pp.774-784.

<https://www.cambridge.org/core/journals/journal-of-agricultural-science/article/spatial-modelling-of-soil-organic-carbon-stocks-with-combined-principal-component-analysis-and-geographically-weighted-regression/9A70B58958CE05BBFF940FDF8FE00A41>

Mitran, T., Mishra, U., Lal, R., Ravisankar, T. and Sreenivas, K., 2018. Spatial distribution of soil carbon stocks in a semi-arid region of India. *Geoderma Regional*, 15, p.e00192.

<https://www.sciencedirect.com/science/article/pii/S2352009418301342>

Xu, B. and Lin, B., 2018. Do we really understand the development of China's new energy industry?. *Energy Economics*, 74, pp.733-745.

<https://www.sciencedirect.com/science/article/pii/S0140988318302743>

Jin, C., Cheng, J., Xu, J. and Huang, Z., 2018. Self-driving tourism induced carbon emission flows and its determinants in well-developed regions: A case study of Jiangsu Province, China. *Journal of Cleaner Production*, 186, pp.191-202.

<https://www.sciencedirect.com/science/article/pii/S0959652618307893>

Rezaeian, B., Rahnama, M.R., Javan, J. and Kharazmi, O.A., 2017. The Impact of Built Environment Characteristics on Energy Consumption Using Geographically Weighted Regression in Mashhad. *Journal of Sustainable Development*, 10.

<https://profdoc.um.ac.ir/paper-abstract-1065305.html>

Wu, R., Zhang, J., Bao, Y. and Tong, S., 2016. Using a Geographically Weighted Regression Model to Explore the Influencing Factors of CO₂ Emissions from Energy Consumption in the Industrial Sector. *Polish Journal of Environmental Studies*, 25(6).

<http://www.pjoes.com/Using-a-Geographically-Weighted-Regression-nModel-to-Explore-the-Influencing-Factors-of-CO2-nEmissions-from-Energy-Consumption-nin-the-Industrial-Sector,64142,0,2.html>

Goovaerts, P., Wobus, C., Jones, R. and Rissing, M., 2016. Geospatial estimation of the impact of Deepwater Horizon oil spill on plant oiling along the Louisiana shorelines. *Journal of environmental management*, 180, pp.264-271.

<https://www.sciencedirect.com/science/article/pii/S0301479716302900>

- Sunak, Y. and Madlener, R., 2017. The impact of wind farms on property values: A locally weighted hedonic pricing model. *Papers in Regional Science*, 96(2), pp.423-444.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/pirs.12197>
- Fan, R., Luo, M. and Zhang, P., 2016. A study on evolution of energy intensity in China with heterogeneity and rebound effect. *Energy*, 99, pp.159-169.
<https://www.sciencedirect.com/science/article/abs/pii/S0360544216000621>
- Zhao, N., Zeng, X.F. and Zhou, J.Z., 2013. Assessment on Vegetation Dynamics under Climate Change for Energy Saving with Satellite Data and Geographically Weighted Regression. In *Advanced Materials Research* (Vol. 648, pp. 265-269). Trans Tech Publications.
<https://www.scientific.net/AMR.648.265>
- Lee, S.W., Song, A.R. and Park, N.W., 2012. Environmental impact assessment of nuclear power plant accident using spatial information modeling: a case study of chernobyl. *Korean Journal of Remote Sensing*, 28(1), pp.129-143.
<http://www.koreascience.or.kr/article/JAKO201216636292897.page>
- Yaylaci, E.D., Ismaila, A.B., Uşkay, O. and Düzgün, Ş., 2011. Spatial analyses of electricity supply and consumption in Turkey for effective energy management and policy-making. In *Implementing environmental and resource management* (pp. 153-168). Springer, Berlin, Heidelberg.
https://link.springer.com/chapter/10.1007%2F978-3-540-77568-3_14
- Eiserhardt, W.L., Bjorholm, S., Svenning, J.C., Rangel, T.F. and Balslev, H., 2011. Testing the water–energy theory on American palms (Arecaceae) using geographically weighted regression. *PLoS One*, 6(11), p.e27027.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0027027>
- Gregory, A.J. and Beck, J.L., 2014. Spatial heterogeneity in response of male greater sage-grouse lek attendance to energy development. *PloS One*, 9(6), p.e97132.
<https://doi.org/10.1371/journal.pone.0097132>
- Wang, J., Chen, K. and Song, X., 2020. Differences Among Influencing Factors of China's Provincial Energy Intensity: Empirical Analysis from a Geographically Weighted Regression Model. *Polish Journal of Environmental Studies*, 29(4).
<https://doi.org/10.15244/pjoes/113097>
- Wang, S., Shi, C., Fang, C. and Feng, K., 2019. Examining the spatial variations of determinants of energy-related CO2 emissions in China at the city level using Geographically Weighted Regression Model. *Applied Energy*, 235, pp.95-105.
<https://doi.org/10.1016/j.apenergy.2018.10.083>
- Wang, Y., Li, X., Kang, Y., Chen, W., Zhao, M. and Li, W., 2019. Analyzing the impact of urbanization quality on CO2 emissions: What can geographically weighted regression tell us?. *Renewable and Sustainable Energy Reviews*, 104, pp.127-136.

<https://doi.org/10.1016/j.rser.2019.01.028>

Wang, S., Liu, Y., Zhao, C. and Pu, H., 2019. Residential energy consumption and its linkages with life expectancy in mainland China: A geographically weighted regression approach and energy-ladder-based perspective. *energy*, 177, pp.347-357.

<https://doi.org/10.1016/j.energy.2019.04.099>

Zhang, X.Y., Zhao, L.M., Cheng, M.M. and Chen, D.M., 2020. Estimating Ground-Level Ozone Concentrations in Eastern China Using Satellite-Based Precursors. *IEEE Transactions on Geoscience and Remote Sensing*.

<https://doi.org/10.1109/TGRS.2020.2966780>

Lin, G., Jiang, D., Fu, J., Dong, D., Sun, W. and Li, X., 2020. Spatial Relationships of Water Resources with Energy Consumption at Coal Mining Operations in China. *Mine Water and the Environment*, pp.1-9.

<https://link.springer.com/article/10.1007/s10230-020-00663-0>

Ceci, M., Corizzo, R., Malerba, D. and Rashkovska, A., 2019. Spatial autocorrelation and entropy for renewable energy forecasting. *Data Mining and Knowledge Discovery*, 33(3), pp.698-729.

<https://link.springer.com/article/10.1007/s10618-018-0605-7>

Chen, M., Cai, H., Yang, X. and Jin, C., 2020. A novel classification regression method for gridded electric power consumption estimation in China. *Scientific Reports*, 10(1), pp.1-12.

<https://www.nature.com/articles/s41598-020-75543-2>

Hartling, S., Sagan, V., Maimaitijiang, M., Dannevik, W. and Pasken, R., 2021. Estimating tree-related power outages for regional utility network using airborne LiDAR data and spatial statistics. *International Journal of Applied Earth Observation and Geoinformation*, 100, p.102330.

<https://doi.org/10.1016/j.jag.2021.102330>

Zhong, Y., Lin, A., Xiao, C. and Zhou, Z., 2021. Research on the Spatio-Temporal Dynamic Evolution Characteristics and Influencing Factors of Electrical Power Consumption in Three Urban Agglomerations of Yangtze River Economic Belt, China Based on DMSP/OLS Night Light Data. *Remote Sensing*, 13(6), p.1150.

<https://doi.org/10.3390/rs13061150>

Wang, X., Chu, B., Feng, X., Li, Y., Fu, B., Liu, S. and Jin, J., 2021. Spatiotemporal variation and driving factors of water yield services on the Qingzang Plateau. *Geography and Sustainability*, 2(1), pp.31-39.

<https://doi.org/10.1016/j.geosus.2021.02.002>

Mallick, J., AlMesfer, M.K., Singh, V.P., Falqi, I.I., Singh, C.K., Alsubih, M. and Kahla, N.B., 2021. Evaluating the NDVI–Rainfall Relationship in Bisha Watershed, Saudi Arabia Using Non-Stationary Modeling Technique. *Atmosphere*, 12(5), p.593.

[https:// doi.org/10.3390/atmos12050593](https://doi.org/10.3390/atmos12050593)

Environment:

Wallace, B., 2011. Geographic Information Systems Correlation Modeling as a Management Tool in the Study Effects of Environmental Variables' Effects on Cultural Resources.

https://scholarworks.boisestate.edu/anthro_gradproj/1/

Shi, S.Q., Cao, Q.W., Yao, Y.M., Tang, H.J., Peng, Y.A.N.G., Wu, W.B., Xu, H.Z., Jia, L.I.U. and Li, Z.G., 2014. Influence of climate and socio-economic factors on the spatio-temporal variability of soil organic matter: A case study of Central Heilongjiang Province, China. *Journal of Integrative Agriculture*, 13(7), pp.1486-1500.

<https://www.sciencedirect.com/science/article/pii/S2095311914608157>

Fernani, P.N. and Ruggiero, A., 2017. The latitudinal diversity gradient in South American mammals revisited using a regional analysis approach: The importance of climate at extra-tropical latitudes and history towards the tropics. *PloS one*, 12(9), p.e0184057.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0184057>

Ridefelt, H., Etzelmüller, B., Boelhouwers, J. and Jonasson, C., 2008. Statistic-empirical modelling of mountain permafrost distribution in the Abisko region, sub-Arctic northern Sweden. *Norsk Geografisk Tidsskrift-Norwegian Journal of Geography*, 62(4), pp.278-289.

<https://www.tandfonline.com/doi/abs/10.1080/00291950802517890>

Chang, H., Jung, I.W., Steele, M. and Gannett, M., 2012. Spatial Patterns of March and September Streamflow Trends in Pacific Northwest Streams, 1958–2008. *Geographical Analysis*, 44(3), pp.177-201.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1538-4632.2012.00847.x>

McKinley, J.M., Atkinson, P.M., Lloyd, C.D., Ruffell, A.H. and Worden, R.H., 2011. How porosity and permeability vary spatially with grain size, sorting, cement volume, and mineral dissolution in fluvial Triassic sandstones: the value of geostatistics and local regression. *Journal of Sedimentary Research*, 81(12), pp.844-858.

<https://pubs.geoscienceworld.org/sepm/jsedres/article-abstract/81/12/844/145345>

Guo, Y., Tang, Q., Gong, D.Y. and Zhang, Z., 2017. Estimating ground-level PM_{2.5} concentrations in Beijing using a satellite-based geographically and temporally weighted regression model. *Remote Sensing of Environment*, 198, pp.140-149.

<https://www.sciencedirect.com/science/article/abs/pii/S0034425717302596>

Jin, Y., Ge, Y., Wang, J. and Heuvelink, G.B., 2018. Deriving temporally continuous soil moisture estimations at fine resolution by downscaling remotely sensed product. *International journal of applied earth observation and geoinformation*, 68, pp.8-19.
<https://www.sciencedirect.com/science/article/pii/S0303243418300783>

Vidhya, R. and Manonmani, R., 2013, October. Use of empirically based land use dynamics model with climate and socio-economic parameters in a rain-fed agricultural area. In *Earth Resources and Environmental Remote Sensing/GIS Applications IV* (Vol. 8893, p. 889311). International Society for Optics and Photonics.
<https://www.spiedigitallibrary.org/conference-proceedings-of-spie/8893/889311/Use-of-empirically-based-land-use-dynamics-model-with-climate/10.1117/12.2028715.short?SSO=1>

Khosravi, Y. and Balyani, S., Spatial Modeling of Mean Annual Temperature in Iran: Comparing Cokriging and Geographically Weighted Regression. *Environmental Modeling & Assessment*, pp.1-14.
<https://link.springer.com/article/10.1007/s10666-018-9623-5>

Terrón, J.M., Da Silva, J.M., Moral, F.J. and García-Ferrer, A., 2011. Soil apparent electrical conductivity and geographically weighted regression for mapping soil. *Precision Agriculture*, 12(5), pp.750-761.
<https://link.springer.com/article/10.1007/s11119-011-9218-5>

Frutos, A.M., Sloan, C.D. and Merrill, R.M., 2018. Modeling the effects of atmospheric pressure on suicide rates in the USA using geographically weighted regression. *PloS one*, 13(12), p.e0206992.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0206992>

Chen, Q., Mei, K., Dahlgren, R.A., Wang, T., Gong, J. and Zhang, M., 2016. Impacts of land use and population density on seasonal surface water quality using a modified geographically weighted regression. *Science of the Total Environment*, 572, pp.450-466.
<https://www.sciencedirect.com/science/article/pii/S0048969716317442>

Wu, J.Y., Zhou, Y.B., Li, L.H., Zheng, S.B., Liang, S., Coatsworth, A., Ren, G.H., Song, X.X., He, Z., Cai, B. and You, J.B., 2014. Identification of optimum scopes of environmental factors for snails using spatial analysis techniques in Dongting Lake Region, China. *Parasites & vectors*, 7(1), p.216.
<https://parasitesandvectors.biomedcentral.com/articles/10.1186/1756-3305-7-216>

Ismaila, A.B., Muhammed, I., Bibi, U.M. and Husain, M.A., 2015. Modelling Municipal Solid Waste Generation Using Geographically Weighted Regression: A Case Study of Nigeria. *International Research Journal of Environment Science*, 4(8), pp.98-108.
https://s3.amazonaws.com/academia.edu.documents/38570410/Ismaila_et_al._2015.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1549147694&Signature=OH7x6Kn%2F261cFUcYgiBvyKZR8%2BQ%3D&response-content-disposition=inline%3B%20filename%3DModelling_Municipal_Solid_Waste_Generati.pdf

Winarso, K. and Notobroto, H.B., 2014. Development of Air Polluter Model for the Carbon Monoxide (CO) Element Based on Mixed Geographically Temporal Weighted Regression (MGTWR) Kriging. *Applied Mathematical Sciences*, 8(118), pp.5863-5873.
<http://www.m-hikari.com/ams/ams-2014/ams-117-120-2014/winarsoAMS117-120-2014.pdf>

Shi, Z., Zhang, N., Liu, Y. and Xu, W., 2018. Exploring Spatiotemporal Variation in Hourly Metro Ridership at Station Level: The Influence of Built Environment and Topological Structure. *Sustainability*, 10(12), p.4564.
<https://www.mdpi.com/2071-1050/10/12/4564>

Mohammadinia, A., Alimohammadi, A. and Habibi, R., Assessment of environmental factors associated with rural endemics of Leptospirosis in Guilan Province, Iran.
https://www.researchgate.net/profile/Ali_Mohammadinia2/publication/301204636_Assessment_of_environmental_factors_associated_with_rural_endemics_of_Leptospirosis_in_Guilan_Province_Iran/links/570c868608aea660813b298e/Assessment-of-environmental-factors-associated-with-rural-endemics-of-Leptospirosis-in-Guilan-Province-Iran.pdf

Chu, H.J., Kong, S.J. and Chang, C.H., 2018. Spatio-temporal water quality mapping from satellite images using geographically and temporally weighted regression. *International Journal of Applied Earth Observation and Geoinformation*, 65, pp.1-11.
<https://www.sciencedirect.com/science/article/pii/S0303243417302064>

Yasin, H., Ispriyanti, D. and Hoyyi, A., 2017. Modeling of Air Polluter NO₂ and SO₂ Using Geographically Weighted Multivariate Regressions (GWMR). *Advanced Science Letters*, 23(7), pp.6545-6547.
<https://www.ingentaconnect.com/content/asp/asl/2017/00000023/00000007/art00123>

Warsito, B., Yasin, H., Ispriyanti, D. and Hakim, A.R., 2018. The Step Construction of Geographically Weighted Panel Regression in Air Polluter Standard Index (APSI) Data. In *E3S Web of Conferences* (Vol. 73, p. 12006). EDP Sciences.
https://www.e3s-conferences.org/articles/e3sconf/abs/2018/48/e3sconf_icenis18_12006/e3sconf_icenis18_12006.html

Amore, D.J., Kampel, M. and Frouin, R., 2018, October. Geostatistical approach for meteorological and oceanographic variables evaluation at the Brazilian coast. In *Remote Sensing of the Open and Coastal Ocean and Inland Waters* (Vol. 10778, p. 107780V). International Society for Optics and Photonics.
<https://www.spiedigitallibrary.org/conference-proceedings-of-spie/10778/107780V/Geostatistical-approach-for-meteo-oceanographic-variables-evaluation-at-the-Brazilian/10.1117/12.2500574.short?SSO=1>

Lieske, D.J. and Bender, D.J., 2009. Accounting for the Influence of Geographic Location and Spatial Autocorrelation in Environmental Models: A Comparative Analysis Using North American Songbirds. *Journal of Environmental Informatics*, 13(1).

<https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=17262135&AN=36979061&h=QTF5Igl1Ui3lxfkwXiaEzyE7kvrV9JJ%2f93Vr6zberFYF%2bol7a%2f%2bxEvTRMZoffwxyhgaqToUS2aHY34sPkoD%2fU8w%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d17262135%26AN%3d36979061>

Chu, H.J., Huang, B. and Lin, C.Y., 2015. Modeling the spatio-temporal heterogeneity in the PM10-PM2.5 relationship. *Atmospheric Environment*, 102, pp.176-182.

<https://www.sciencedirect.com/science/article/pii/S1352231014009340>

Parmentier, B., McGill, B.J., Wilson, A.M., Regetz, J., Jetz, W., Guralnick, R., Tuanmu, M.N. and Schildhauer, M., 2015. Using multi-timescale methods and satellite-derived land surface temperature for the interpolation of daily maximum air temperature in Oregon. *International Journal of Climatology*, 35(13), pp.3862-3878.

<https://rmets.onlinelibrary.wiley.com/doi/full/10.1002/joc.4251>

Bevan, A. and Conolly, J., 2009. Modelling spatial heterogeneity and nonstationarity in artifact-rich landscapes. *Journal of Archaeological Science*, 36(4), pp.956-964.

<https://www.sciencedirect.com/science/article/pii/S0305440308002653>

Jiaogen, Z., Daming, D. and Yuyuan, L., 2017. Local attribute-similarity weighting regression algorithm for interpolating soil property values. *International Journal of Agricultural and Biological Engineering*, 10(5), pp.95-103.

<http://www.ijabe.org/index.php/ijabe/article/view/2209>

Liu, H., Zhou, J., Feng, Q., Li, Y., Li, Y. and Wu, J., 2017. Effects of land use and topography on spatial variety of soil organic carbon density in a hilly, subtropical catchment of China. *Soil Research*, 55(2), pp.134-144.

<http://www.publish.csiro.au/sr/sr15038>

Gao, B., Gong, H., Jia, L., Liu, Q. and Guo, P., 2016, July. Retrieving modis band reflectance at cloudy pixels considering spatial heterogeneity. In *Geoscience and Remote Sensing Symposium (IGARSS), 2016 IEEE International* (pp. 4271-4274). IEEE.

<https://ieeexplore.ieee.org/abstract/document/7730113>

Nazeer, M. and Bilal, M., 2018. Evaluation of Ordinary Least Square (OLS) and Geographically Weighted Regression (GWR) for Water Quality Monitoring: A Case Study for the Estimation of Salinity. *Journal of Ocean University of China*, 17(2), pp.305-310.

<https://link.springer.com/article/10.1007/s11802-018-3380-6>

Jin, Y., Ge, Y., Wang, J., Heuvelink, G. and Wang, L., 2018. Geographically Weighted Area-to-Point Regression Kriging for Spatial Downscaling in Remote Sensing. *Remote Sensing*, 10(4), p.579.

<https://www.mdpi.com/2072-4292/10/4/579>

Chybicki, A., 2018. Three-dimensional geographically weighted inverse regression (3GWR) model for satellite derived bathymetry using Sentinel-2 observations. *Marine Geodesy*, 41(1), pp.1-23.

<https://www.tandfonline.com/doi/abs/10.1080/01490419.2017.1373173>

Lumaela, A.K., Otok, B.W. and Sutikno, S., 2013. Pemodelan Chemical Oxygen Demand (COD) Sungai di Surabaya Dengan Metode Mixed Geographically Weighted Regression. *Jurnal Sains dan Seni ITS*, 2(1), pp.D100-D105.

http://ejournal.its.ac.id/index.php/sains_seni/article/view/3204

Cooper, H.M., Zhang, C. and Selch, D., 2015. Incorporating uncertainty of groundwater modeling in sea-level rise assessment: a case study in South Florida. *Climatic change*, 129(1-2), pp.281-294.

<https://link.springer.com/article/10.1007/s10584-015-1334-1>

Jiang, M., Sun, W., Yang, G. and Zhang, D., 2017. Modelling seasonal GWR of daily PM2. 5 with proper auxiliary variables for the Yangtze River Delta. *Remote Sensing*, 9(4), p.346.

<https://www.mdpi.com/2072-4292/9/4/346/htm>

Chang, H., Johnson, G., Hinkley, T. and Jung, I.W., 2014. Spatial analysis of annual runoff ratios and their variability across the contiguous US. *Journal of Hydrology*, 511, pp.387-402.

<https://www.sciencedirect.com/science/article/pii/S0022169414000882>

Bai, Y., Wu, L., Qin, K., Zhang, Y., Shen, Y. and Zhou, Y., 2016. A geographically and temporally weighted regression model for ground-level PM2. 5 estimation from satellite-derived 500 m resolution AOD. *Remote Sensing*, 8(3), p.262.

<https://www.mdpi.com/2072-4292/8/3/262/htm>

Lu, C. and Liu, Y., 2016. Effects of China's urban form on urban air quality. *Urban studies*, 53(12), pp.2607-2623.

<https://journals.sagepub.com/doi/abs/10.1177/0042098015594080>

Bertazzon, S., Johnson, M., Eccles, K. and Kaplan, G.G., 2015. Accounting for spatial effects in land use regression for urban air pollution modeling. *Spatial and spatio-temporal epidemiology*, 14, pp.9-21.

<https://www.sciencedirect.com/science/article/pii/S1877584515000325>

Mennis, J.L. and Jordan, L., 2005. The distribution of environmental equity: Exploring spatial nonstationarity in multivariate models of air toxic releases. *Annals of the Association of American Geographers*, 95(2), pp.249-268.

<https://www.tandfonline.com/doi/abs/10.1111/j.1467-8306.2005.00459.x>

Warsito, B., Yasin, H., Ispriyanti, D. and Hoyyi, A., 2018, May. Robust geographically weighted regression of modeling the Air Polluter Standard Index (APSI). In *Journal of Physics: Conference Series* (Vol. 1025, No. 1, p. 012096). IOP Publishing.

<http://iopscience.iop.org/article/10.1088/1742-6596/1025/1/012096/meta>

Jephcote, C. and Chen, H., 2012. Environmental injustices of children's exposure to air pollution from road-transport within the model British multicultural city of Leicester: 2000–09. *Science of the Total Environment*, 414, pp.140-151.

<https://www.sciencedirect.com/science/article/pii/S0048969711013544>

Zhu, W., Zhang, Q., Cai, K., Wang, L. and Li, S., 2018, December. Estimations of PM_{2.5} concentrations based on the geographically weighted regression from Himawari-8 AOD. In *IOP Conference Series: Earth and Environmental Science*(Vol. 199, No. 2, p. 022009). IOP Publishing.

<http://iopscience.iop.org/article/10.1088/1755-1315/199/2/022009/meta>

Li, C., Zhao, J., Thinh, N.X., Yang, W. and Li, Z., 2018. Analysis of the spatiotemporally varying effects of urban spatial patterns on land surface temperatures. *Journal of Environmental Engineering and Landscape Management*, 26(3), pp.216-231.

<https://journals.vgtu.lt/index.php/JEELM/article/view/5378>

Sumanasinghe, N., Mikler, A., Tiwari, C. and Muthukudage, J., 2016. Geo-statistical dengue risk model using GIS techniques to identify the risk prone areas by linking rainfall and population density factors in Sri Lanka. *Ceylon Journal of Science*, 45(3).

https://www.researchgate.net/profile/Jayantha_Muthukudage/publication/311244176_Geo-statistical-dengue-risk-model-using-GIS-techniques-to-identify-the-risk-prone-areas-by-linking-rainfall-and-population-density-factors-in-Sri-Lanka/links/585d4db808ae8fce48fe5d4f/Geo-statistical-dengue-risk-model-using-GIS-techniques-to-identify-the-risk-prone-areas-by-linking-rainfall-and-population-density-factors-in-Sri-Lanka.pdf

Li, X. and Feng, Y., 2018. Estimating Spatio-Temporal Variations of PM_{2.5} Over Hong Kong Using an Improved GTWR Model and SARA AOD Retrievals. *Photogrammetric Engineering & Remote Sensing*, 84(12), pp.761-769.

<https://www.ingentaconnect.com/contentone/asprs/pers/2018/00000084/00000012/art00011>

Wu, C., Liu, G. and Huang, C., 2017. Prediction of soil salinity in the Yellow River Delta using geographically weighted regression. *Archives of Agronomy and Soil Science*, 63(7), pp.928-941.

<https://www.tandfonline.com/doi/abs/10.1080/03650340.2016.1249475>

Kim, J.S., Seo, I.W. and Baek, D., 2018. Modeling spatial variability of harmful algal bloom in regulated rivers using a depth-averaged 2D numerical model. *Journal of Hydro-environment Research*, 20, pp.63-76.

<https://www.sciencedirect.com/science/article/abs/pii/S1570644318300546>

Zhou, Q., Wang, C. and Fang, S., 2018. Application of geographically weighted regression (GWR) in the analysis of the cause of haze pollution in China. *Atmospheric Pollution Research*.

<https://www.sciencedirect.com/science/article/abs/pii/S1309104218305130>

Vinayaraj, P., Raghavan, V. and Masumoto, S., 2016. Satellite-derived bathymetry using adaptive geographically weighted regression model. *Marine Geodesy*, 39(6), pp.458-478.
<https://www.tandfonline.com/doi/abs/10.1080/01490419.2016.1245227>

Wang, Y., Zhang, T., Yao, S. and Deng, Y., 2019. Spatio-temporal Evolution and Factors Influencing the Control Efficiency for Soil and Water Loss in the Wei River Catchment, China. *Sustainability*, 11(1), p.216.
<https://www.mdpi.com/2071-1050/11/1/216>

Poliyapram, V., Raghavan, V., Metz, M., Delucchi, L. and Masumoto, S., 2017. Implementation of Algorithm for Satellite-Derived Bathymetry Using Open Source GIS and Evaluation for Tsunami Simulation. *ISPRS International Journal of Geo-Information*, 6(3), p.89.
<https://www.mdpi.com/2220-9964/6/3/89/htm>

Wang, Y., Zhao, M. and Chen, W., 2018. Spatial effect of factors affecting household CO₂ emissions at the provincial level in China: a geographically weighted regression model. *Carbon Management*, 9(2), pp.187-200.
<https://www.tandfonline.com/doi/abs/10.1080/17583004.2018.1451964>

Zhao, N., Yue, T., Zhou, X., Zhao, M., Liu, Y., Du, Z. and Zhang, L., 2017. Statistical downscaling of precipitation using local regression and high accuracy surface modeling method. *Theoretical and Applied Climatology*, 129(1-2), pp.281-292.
<https://link.springer.com/article/10.1007/s00704-016-1776-z>

Yu, W., Liu, Y., Ma, Z. and Bi, J., 2017. Improving satellite-based PM 2.5 estimates in China using Gaussian processes modeling in a Bayesian hierarchical setting. *Scientific reports*, 7(1), p.7048.
<https://www.nature.com/articles/s41598-017-07478-0>

Yeh, H.L., Hsu, S.W., Chang, Y.C., Chan, T.C., Tsou, H.C., Chang, Y.C. and Chiang, P.H., 2017. Spatial analysis of ambient PM_{2.5} exposure and bladder cancer mortality in Taiwan. *International journal of environmental research and public health*, 14(5), p.508.
<https://www.mdpi.com/1660-4601/14/5/508/htm>

Lv, Q., Liu, H., Yang, D. and Liu, H., 2019. Effects of urbanization on freight transport carbon emissions in China: Common characteristics and regional disparity. *Journal of Cleaner Production*, 211, pp.481-489.
<https://www.sciencedirect.com/science/article/pii/S0959652618335856>

Deng, C. and Zhang, W., 2018. Spatiotemporal distribution and the characteristics of the air temperature of a river source region of the Qinghai-Tibet Plateau. *Environmental monitoring and assessment*, 190(6), p.368.
<https://link.springer.com/article/10.1007/s10661-018-6739-7>

Zhan, C., Han, J., Hu, S., Liu, L. and Dong, Y., 2018. Spatial Downscaling of GPM Annual and Monthly Precipitation Using Regression-Based Algorithms in a Mountainous Area. *Advances in Meteorology*, 2018.

<https://www.hindawi.com/journals/amete/2018/1506017/abs/>

Wang, Y., Chen, W., Kang, Y., Li, W. and Guo, F., 2018. Spatial correlation of factors affecting CO₂ emission at provincial level in China: A geographically weighted regression approach. *Journal of Cleaner Production*, 184, pp.929-937.

<https://www.sciencedirect.com/science/article/pii/S0959652618306516>

Chen, C., Zhao, S., Duan, Z. and Qin, Z., 2015. An improved spatial downscaling procedure for TRMM 3B43 precipitation product using geographically weighted regression. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 8(9), pp.4592-4604.

<https://ieeexplore.ieee.org/abstract/document/7134719>

Gao, J., Jiao, K., Wu, S., Ma, D., Zhao, D., Yin, Y. and Dai, E., 2017. Past and future effects of climate change on spatially heterogeneous vegetation activity in China. *Earth's Future*, 5(7), pp.679-692.

<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1002/2017EF000573>

Kumar, S., 2015. Estimating spatial distribution of soil organic carbon for the Midwestern United States using historical database. *Chemosphere*, 127, pp.49-57.

<https://www.sciencedirect.com/science/article/pii/S0045653514014556>

Ran, Y., Li, X. and Cheng, G., 2018. Climate warming over the past half century has led to thermal degradation of permafrost on the Qinghai-Tibet Plateau. *Cryosphere*, 12(2).

https://www.researchgate.net/profile/Ran_Youhua/publication/318244897_Climate_warming_over_the_past_half_century_has_led_to_thermal_degradation_of_permafrost_on_the_Qinghai-Tibet_Plateau/links/5a8e97110f7e9b2fac832426/Climate-warming-over-the-past-half-century-has-led-to-thermal-degradation-of-permafrost-on-the-Qinghai-Tibet-Plateau.pdf

Guo, L., Zhao, C., Zhang, H., Chen, Y., Linderman, M., Zhang, Q. and Liu, Y., 2017. Comparisons of spatial and non-spatial models for predicting soil carbon content based on visible and near-infrared spectral technology. *Geoderma*, 285, pp.280-292.

<https://www.sciencedirect.com/science/article/pii/S0016706116306073>

Xu, B., Xu, L., Xu, R. and Luo, L., 2017. Geographical analysis of CO₂ emissions in China's manufacturing industry: A geographically weighted regression model. *Journal of Cleaner Production*, 166, pp.628-640.

<https://www.sciencedirect.com/science/article/pii/S0959652617317705>

Li, W., Sun, W., Li, G., Jin, B., Wu, W., Cui, P. and Zhao, G., 2018. Transmission mechanism between energy prices and carbon emissions using geographically weighted regression. *Energy Policy*, 115, pp.434-442.

<https://www.sciencedirect.com/science/article/pii/S0301421518300065>

Lim-Wavde, K., KAUFFMAN, R.J., Kam, T.S. and Dawson, G.S., 2017. Location matters: Geospatial policy analytics over time for household hazardous waste collection in California. https://ink.library.smu.edu.sg/sis_research/3686/

Webster, E., Ramp, D. and Kingsford, R.T., 2016. Spatial sensitivity of surface energy balance algorithms to meteorological data in a heterogeneous environment. *Remote Sensing of Environment*, 187, pp.294-319. <https://www.sciencedirect.com/science/article/abs/pii/S0034425716303911>

Li, R., Cui, L., Li, J., Zhao, A., Fu, H., Wu, Y., Zhang, L., Kong, L. and Chen, J., 2017. Spatial and temporal variation of particulate matter and gaseous pollutants in China during 2014–2016. *Atmospheric environment*, 161, pp.235-246. <https://www.sciencedirect.com/science/article/pii/S1352231017303096>

Zhai, L., Li, S., Zou, B., Sang, H., Fang, X. and Xu, S., 2018. An improved geographically weighted regression model for PM_{2.5} concentration estimation in large areas. *Atmospheric Environment*, 181, pp.145-154. <https://www.sciencedirect.com/science/article/pii/S1352231018301559>

Zhan, Y., Luo, Y., Deng, X., Chen, H., Grieneisen, M.L., Shen, X., Zhu, L. and Zhang, M., 2017. Spatiotemporal prediction of continuous daily PM_{2.5} concentrations across China using a spatially explicit machine learning algorithm. *Atmospheric environment*, 155, pp.129-139. <https://www.sciencedirect.com/science/article/pii/S1352231017300936>

Zou, B., Pu, Q., Bilal, M., Weng, Q., Zhai, L. and Nichol, J.E., 2016. High-resolution satellite mapping of fine particulates based on geographically weighted regression. *IEEE Geoscience and Remote Sensing Letters*, 13(4), pp.495-499. <https://ieeexplore.ieee.org/abstract/document/7421977>

You, W., Zang, Z., Zhang, L., Li, Y., Pan, X. and Wang, W., 2016. National-scale estimates of ground-level PM_{2.5} concentration in China using geographically weighted regression based on 3 km resolution MODIS AOD. *Remote Sensing*, 8(3), p.184. <https://www.mdpi.com/2072-4292/8/3/184/htm>

van Donkelaar, A., Martin, R.V., Spurr, R.J. and Burnett, R.T., 2015. High-resolution satellite-derived PM_{2.5} from optimal estimation and geographically weighted regression over North America. *Environmental science & technology*, 49(17), pp.10482-10491. <https://pubs.acs.org/doi/abs/10.1021/acs.est.5b02076>

Sim, J.S., Kim, J.S. and Lee, S.H., 2014. Local analysis of the spatial characteristics of urban flooding areas using GWR. *Journal of Environmental Impact Assessment*, 23(1), pp.39-50. <http://www.koreascience.or.kr/article/JAKO201409739052727.page>

Van Donkelaar, A., Martin, R.V., Brauer, M., Hsu, N.C., Kahn, R.A., Levy, R.C., Lyapustin, A., Sayer, A.M. and Winker, D.M., 2016. Global estimates of fine particulate matter using a

combined geophysical-statistical method with information from satellites, models, and monitors. *Environmental science & technology*, 50(7), pp.3762-3772.
<https://pubs.acs.org/doi/abs/10.1021/acs.est.5b05833>

Lee, S.W., 2013. Testing Non-Stationary Relationship between the Proportion of Green Areas in Watersheds and Water Quality using Geographically Weighted Regression Model. *Journal of the Korean Institute of Landscape Architecture*, 41(6), pp.43-51.
<https://digital.lib.washington.edu/researchworks/handle/1773/22568>

Deschenes, S., Setton, E., Demers, P.A. and Keller, P.C., 2013. Exploring the relationship between surface and subsurface soil concentrations of heavy metals using geographically weighted regression. In *E3S Web of conferences* (Vol. 1, p. 35007). EDP Sciences.
https://www.e3sconferences.org/articles/e3sconf/abs/2013/01/e3sconf_ichm13_35007/e3sconf_ichm13_35007.html

Yan, N. and Mei, C.L., 2014. A two-step local smoothing approach for exploring spatio-temporal patterns with application to the analysis of precipitation in the mainland of China during 1986–2005. *Environmental and ecological statistics*, 21(2), pp.373-390.
<https://link.springer.com/article/10.1007/s10651-013-0259-y>

Yao, Y. and Zhang, B., 2013. MODIS-based estimation of air temperature of the Tibetan Plateau. *Journal of Geographical Sciences*, 23(4), pp.627-640.
<https://link.springer.com/article/10.1007/s11442-013-1033-7>

Matin, M.A. and Bourque, C.P.A., 2013. Intra-and inter-annual variations in snow–water storage in data sparse desert–mountain regions assessed from remote sensing. *Remote sensing of environment*, 139, pp.18-34.
<https://www.sciencedirect.com/science/article/abs/pii/S0034425713002459>

Li, Z., Huffman, T., McConkey, B. and Townley-Smith, L., 2013. Monitoring and modeling spatial and temporal patterns of grassland dynamics using time-series MODIS NDVI with climate and stocking data. *Remote Sensing of Environment*, 138, pp.232-244.
<https://www.sciencedirect.com/science/article/abs/pii/S0034425713002320>

Camera, C., Bruggeman, A., Hadjinicolaou, P., Pashiardis, S. and Lange, M.A., 2014. Evaluation of interpolation techniques for the creation of gridded daily precipitation (1× 1 km²); Cyprus, 1980–2010. *Journal of Geophysical Research: Atmospheres*, 119(2), pp.693-712.
<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1002/2013JD020611>

Ma, Z., Hu, X., Huang, L., Bi, J. and Liu, Y., 2014. Estimating ground-level PM_{2.5} in China using satellite remote sensing. *Environmental science & technology*, 48(13), pp.7436-7444.
<https://pubs.acs.org/doi/abs/10.1021/es5009399>

Chen, F., Liu, Y., Liu, Q. and Li, X., 2014. Spatial downscaling of TRMM 3B43 precipitation considering spatial heterogeneity. *International journal of remote sensing*, 35(9), pp.3074-3093.
<https://www.tandfonline.com/doi/abs/10.1080/01431161.2014.902550>

Song, W., Jia, H., Huang, J. and Zhang, Y., 2014. A satellite-based geographically weighted regression model for regional PM_{2.5} estimation over the Pearl River Delta region in China. *Remote Sensing of Environment*, 154, pp.1-7.

<https://www.sciencedirect.com/science/article/abs/pii/S0034425714003058>

Mucciardi, M. and Bertuccelli, P., 2011, August. Multivariate kernels in GWR model to identify climatic micro-basins. In *Management and Service Science (MASS), 2011 International Conference on* (pp. 1-4). IEEE.

<https://ieeexplore.ieee.org/abstract/document/5999183>

Qiu, B., Zhong, M., Zeng, C., Tang, Z. and Chen, C., 2012. Effect of topography and accessibility on vegetation dynamic pattern in mountain-hill region. *Journal of mountain science*, 9(6), pp.879-890.

<https://link.springer.com/article/10.1007/s11629-012-2447-x>

Bayramov, E., Buchroithner, M.F. and McGurty, E., 2012. Determination of main climate and ground factors controlling vegetation cover regrowth along oil and gas pipelines using multiple, spatial and geographically weighted regression procedures. *Environmental Earth Sciences*, 66(7), pp.2047-2062.

<https://link.springer.com/article/10.1007/s12665-011-1429-6>

Elsner, J.B., Hodges, R.E. and Jagger, T.H., 2012. Spatial grids for hurricane climate research. *Climate dynamics*, 39(1-2), pp.21-36.

<https://link.springer.com/article/10.1007/s00382-011-1066-5>

Gao, Y., Huang, J., Li, S. and Li, S., 2012. Spatial pattern of non-stationarity and scale-dependent relationships between NDVI and climatic factors—a case study in Qinghai-Tibet Plateau, China. *Ecological Indicators*, 20, pp.170-176.

<https://www.sciencedirect.com/science/article/pii/S1470160X12000532>

Schmidtlein, M.C., Finch, C. and Cutter, S.L., 2008. Disaster declarations and major hazard occurrences in the United States. *The Professional Geographer*, 60(1), pp.1-14.

<https://www.tandfonline.com/doi/abs/10.1080/00330120701715143>

Lu, Y., 2010, October. Based on Geographical Weighted Regression Model Analysis of the Yangtze River Delta Regional Development. In *Multimedia Technology (ICMT), 2010 International Conference on* (pp. 1-3). IEEE.

<https://ieeexplore.ieee.org/abstract/document/5631383>

Atkinson, P.M., German, S.E., Sear, D.A. and Clark, M.J., 2003. Exploring the relations between riverbank erosion and geomorphological controls using geographically weighted logistic regression. *Geographical Analysis*, 35(1), pp.58-82.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1538-4632.2003.tb01101.x>

Propastin, P.A. and Kappas, M., 2008. Reducing uncertainty in modeling the NDVI-precipitation relationship: a comparative study using global and local regression techniques. *GIScience & Remote Sensing*, 45(1), pp.47-67.

https://www.tandfonline.com/doi/abs/10.2747/1548-1603.45.1.47?casa_token=9icN1o3KYm0AAAAA:NDYobrwtMNBEzKPTP5JIQf6xTH1nzSUNPugKnS7StAA4eICW3c72enSI07pOY42VucNRoh1QuaD

Tu, J. and Xia, Z.G., 2008. Examining spatially varying relationships between land use and water quality using geographically weighted regression I: Model design and evaluation. *Science of the total environment*, 407(1), pp.358-378.

https://www.tandfonline.com/doi/abs/10.1111/j.1467-8306.2005.00459.x?casa_token=rai8EL9LutAAAAA:Twc3RnRU3o-gcxIR_7DKf4_i9Xn0I2EVbeD2Nho12bCxOf6nCRJ-R5sIFpx7V0PvMETO2atpQn7Z

Brunsdon, C., McClatchey, J. and Unwin, D.J., 2001. Spatial variations in the average rainfall–altitude relationship in Great Britain: an approach using geographically weighted regression. *International Journal of Climatology: A Journal of the Royal Meteorological Society*, 21(4), pp.455-466.

<https://rmets.onlinelibrary.wiley.com/doi/abs/10.1002/joc.614>

Kumari, M. and Singh, C.K., 2018. GaRiRO: Gradient and residual integrated rank ordering of stations in rainfall monitoring network. *Earth Science Informatics*, 11(2), pp.273-286.

<https://link.springer.com/article/10.1007/s12145-018-0332-z>

Mohammadi, C., Farajzadeh, M., Rahimi, Y.G. and Bidokhti, A.A., 2018. Comparison of univariate and multivariate geographically weighted regression for estimating air temperature over Iran. *Arabian Journal of Geosciences*, 11(13), p.360.

<https://link.springer.com/article/10.1007/s12517-018-3653-9>

Zhang, Y., 2018. Spatial Analysis of Air Particulate Pollution Distributions and Its Relation to Real Property Value in Beijing, China.

https://digitalcommons.buffalostate.edu/greatlakes_theses/7/

Shi, H., He, Q. and Zhang, W., 2018. Spatial Factor Analysis for Aerosol Optical Depth in Metropolises in China with Regard to Spatial Heterogeneity. *Atmosphere*, 9(4), p.156.

<https://www.mdpi.com/2073-4433/9/4/156>

Wang, M.M., He, G.J., Zhang, Z.M., Zhang, Z.J. and Liu, X.G., 2018. Estimation of monthly near surface air temperature using geographically weighted regression in China. *International Archives of the Photogrammetry, Remote Sensing & Spatial Information Sciences*, 42(3).

<https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=16821750&AN=129415003&h=n5bG58vu0WKICFlyIzjuRz1qxCK8L2iMtSYWzfIOEUQIL3ZFr2ETtfvXLBPCf%2fs75qOg9PL2u5Ts1emV3P7mmQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d16821750%26AN%3d129415003>

Kim, Y., Tanaka, K. and Ge, C., 2018. Estimating the provincial environmental Kuznets curve in China: a geographically weighted regression approach. *Stochastic Environmental Research and Risk Assessment*, 32(7), pp.2147-2163.

<https://link.springer.com/article/10.1007%2Fs00477-017-1503-z>

Ahmadi, M., Kashki, A. and Roudbari, A.D., 2018. Spatial modeling of seasonal precipitation–elevation in Iran based on aphrodite database. *Modeling Earth Systems and Environment*, 4(2), pp.619-633.

<https://link.springer.com/article/10.1007/s40808-018-0444-y>

Mallick, J., Singh, R.K., Khan, R.A., Singh, C.K., Kahla, N.B., Warrag, E.I., Islam, S. and Rahman, A., 2018. Examining the rainfall–topography relationship using non-stationary modelling technique in semi-arid Aseer region, Saudi Arabia. *Arabian Journal of Geosciences*, 11(9), p.215.

<https://link.springer.com/article/10.1007/s12517-018-3580-9>

Hajiloo, F., Hamzeh, S. and Gheysari, M., 2018. Impact assessment of meteorological and environmental parameters on PM 2.5 concentrations using remote sensing data and GWR analysis (case study of Tehran). *Environmental Science and Pollution Research*, pp.1-15.

<https://link.springer.com/article/10.1007/s11356-018-1277-y>

Zhang, Y., Li, Y., Ji, X., Luo, X. and Li, X., 2018. Fine-Resolution Precipitation Mapping in a Mountainous Watershed: Geostatistical Downscaling of TRMM Products Based on Environmental Variables. *Remote Sensing*, 10(1), p.119.

<https://www.mdpi.com/2072-4292/10/1/119>

Zhao, H., Ren, Z. and Tan, J., 2018. The Spatial Patterns of Land Surface Temperature and Its Impact Factors: Spatial Non-Stationarity and Scale Effects Based on a Geographically-Weighted Regression Model. *Sustainability*, 10(7), p.2242.

<https://www.mdpi.com/2071-1050/10/7/2242>

Szymanowski, M. and Kryza, M., 2018. The role of auxiliary variables in deterministic and deterministic-stochastic spatial models of air temperature in Poland. In *Geoinformatics and Atmospheric Science* (pp. 137-163). Birkhäuser, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-66092-9_8

Costa, E.M., Tassinari, W.D.S., Pinheiro, H.S.K., Beutler, S.J. and dos Anjos, L.H.C., 2018. Mapping Soil Organic Carbon and Organic Matter Fractions by Geographically Weighted Regression. *Journal of Environmental Quality*.

<https://dl.sciencesocieties.org/publications/jeq/abstracts/47/4/718?access=0&view=article>

Wehbe, Y., Temimi, M., Ghebreyesus, D.T., Milewski, A., Norouzi, H. and Ibrahim, E., 2018. Consistency of precipitation products over the Arabian Peninsula and interactions with soil moisture and water storage. *Hydrological Sciences Journal*, 63(3), pp.408-425.

<https://www.tandfonline.com/doi/abs/10.1080/02626667.2018.1431647>

He, Q. and Huang, B., 2018. Satellite-based high-resolution PM_{2.5} estimation over the Beijing-Tianjin-Hebei region of China using an improved geographically and temporally weighted regression model. *Environmental Pollution*, 236, pp.1027-1037.

<https://www.sciencedirect.com/science/article/pii/S0269749117324946>

Johnson, B.A., Scheyvens, H., Khalily, M.B. and Onishi, A., 2018. Investigating the relationships between climate hazards and spatial accessibility to microfinance using geographically-weighted regression. *International Journal of Disaster Risk Reduction*.

<https://www.sciencedirect.com/science/article/pii/S2212420918303406>

He, Q. and Huang, B., 2018. Satellite-based mapping of daily high-resolution ground PM_{2.5} in China via space-time regression modeling. *Remote Sensing of Environment*, 206, pp.72-83.

<https://www.sciencedirect.com/science/article/abs/pii/S003442571730593X>

Qu, M., Wang, Y., Huang, B. and Zhao, Y., 2018. Source apportionment of soil heavy metals using robust absolute principal component scores-robust geographically weighted regression (RAPCS-RGWR) receptor model. *Science of The Total Environment*, 626, pp.203-210.

<https://www.sciencedirect.com/science/article/pii/S0048969718300913>

Su, H., Huang, L., Li, W., Yang, X. and Yan, X.H., 2018. Retrieving ocean subsurface temperature using a satellite-based geographically weighted regression model. *Journal of Geophysical Research: Oceans*, 123(8), pp.5180-5193.

<https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2018JC014246>

Shen, Q., Wang, Y., Wang, X., Liu, X., Zhang, X. and Zhang, S., 2019. Comparing interpolation methods to predict soil total phosphorus in the Mollisol area of Northeast China. *CATENA*, 174, pp.59-72.

<https://www.sciencedirect.com/science/article/pii/S0341816218304879>

Du, Z., Wu, S., Zhang, F., Liu, R. and Zhou, Y., 2018. Extending geographically and temporally weighted regression to account for both spatiotemporal heterogeneity and seasonal variations in coastal seas. *Ecological Informatics*, 43, pp.185-199.

<https://www.sciencedirect.com/science/article/pii/S157495411730198X>

Fernández, S., Cotos-Yáñez, T., Roca-Pardiñas, J. and Ordóñez, C., 2018. Geographically weighted principal components analysis to assess diffuse pollution sources of soil heavy metal: application to rough mountain areas in Northwest Spain. *Geoderma*, 311, pp.120-129.

<https://www.sciencedirect.com/science/article/pii/S0016706116306097>

Hasyim, H., Nursafingi, A., Haque, U., Montag, D., Groneberg, D.A., Dhimal, M., Kuch, U. and Müller, R., 2018. Spatial modelling of malaria cases associated with environmental factors in South Sumatra, Indonesia. *Malaria journal*, 17(1), p.87.

<https://malariajournal.biomedcentral.com/articles/10.1186/s12936-018-2230-8>

Xia, F., Qu, L., Wang, T., Luo, L., Chen, H., Dahlgren, R.A., Zhang, M., Mei, K. and Huang, H., 2018. Distribution and source analysis of heavy metal pollutants in sediments of a rapid developing urban river system. *Chemosphere*, 207, pp.218-228.

<https://www.sciencedirect.com/science/article/pii/S0045653518309391>

Zhang, L., Traore, S., Cui, Y., Luo, Y., Zhu, G., Liu, B., Fipps, G., Karthikeyan, R. and Singh, V., 2019. Assessment of spatiotemporal variability of reference evapotranspiration and controlling climate factors over decades in China using geospatial techniques. *Agricultural Water Management*, 213, pp.499-511.

<https://www.sciencedirect.com/science/article/pii/S0378377418314744>

Fan, C., Tian, L., Zhou, L., Hou, D., Song, Y., Qiao, X. and Li, J., 2018. Examining the impacts of urban form on air pollutant emissions: Evidence from China. *Journal of environmental management*, 212, pp.405-414.

<https://www.sciencedirect.com/science/article/pii/S0301479718301026>

Bailey, N., Dong, G., Minton, J. and Pryce, G., 2018. Reconsidering the Relationship between Air Pollution and Deprivation. *International journal of environmental research and public health*, 15(4), p.629.

<https://www.mdpi.com/1660-4601/15/4/629>

Xiao, L., Lang, Y. and Christakos, G., 2018. High-resolution spatiotemporal mapping of PM 2.5 concentrations at Mainland China using a combined BME-GWR technique. *Atmospheric Environment*, 173, pp.295-305.

<https://www.sciencedirect.com/science/article/pii/S1352231017307355>

Birkel, C., Helliwell, R., Thornton, B., Gibbs, S., Cooper, P., Soulsby, C., Tetzlaff, D., Spezia, L., Esquivel-Hernández, G., Sánchez-Murillo, R. and Midwood, A.J., 2018. Characterization of surface water isotope spatial patterns of Scotland. *Journal of Geochemical Exploration*, 194, pp.71-80.

<https://www.sciencedirect.com/science/article/pii/S0375674217305034>

Chen, Y., Huang, J., Sheng, S., Mansaray, L.R., Liu, Z., Wu, H. and Wang, X., 2018. A new downscaling-integration framework for high-resolution monthly precipitation estimates: Combining rain gauge observations, satellite-derived precipitation data and geographical ancillary data. *Remote Sensing of Environment*, 214, pp.154-172.

<https://www.sciencedirect.com/science/article/abs/pii/S0034425718302487>

Tu, J. and Tu, W., 2018. How the relationships between preterm birth and ambient air pollution vary over space: A case study in Georgia, USA using geographically weighted logistic regression. *Applied Geography*, 92, pp.31-40.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622817305611>

Li, X., Zhou, Y., Asrar, G.R. and Zhu, Z., 2018. Developing a 1 km resolution daily air temperature dataset for urban and surrounding areas in the conterminous United States. *Remote Sensing of Environment*, 215, pp.74-84.

<https://www.sciencedirect.com/science/article/abs/pii/S0034425718302633>

Jin, Y., Ge, Y., Wang, J., Chen, Y., Heuvelink, G.B. and Atkinson, P.M., 2018. Downscaling amsr-2 soil moisture data with geographically weighted area-to-area regression kriging. *IEEE Transactions on Geoscience and Remote Sensing*, 56(4), pp.2362-2376.

<https://ieeexplore.ieee.org/abstract/document/8237196>

Xiaodong, S.O.N.G., Feng, L.I.U., ZHANG, G., Decheng, L.I., Yuguo, Z.H.A.O. and Jinling, Y.A.N.G., 2017. Mapping Soil Organic Carbon Using Local Terrain Attributes: A Comparison of Different Polynomial Models. *Pedosphere*, 27(4), pp.681-693.

<https://www.sciencedirect.com/science/article/abs/pii/S1002016017604454>

Arabameri, A., Pradhan, B. and Rezaei, K., 2019. Gully erosion zonation mapping using integrated geographically weighted regression with certainty factor and random forest models in GIS. *Journal of Environmental Management*, 232, pp.928-942.

<https://www.sciencedirect.com/science/article/pii/S0301479718313756>

Chu, H.J. and Bilal, M., 2019. PM 2.5 mapping using integrated geographically temporally weighted regression (GTWR) and random sample consensus (RANSAC) models. *Environmental Science and Pollution Research*, 26(2), pp.1902-1910.

<https://link.springer.com/article/10.1007/s11356-018-3763-7>

Mohammadinia, A., Alimohammadi, A. and Saeidian, B., 2017. Efficiency of Geographically Weighted Regression in Modeling Human Leptospirosis Based on Environmental Factors in Gilan Province, Iran. *Geosciences*, 7(4), p.136.

<https://www.mdpi.com/2076-3263/7/4/136/htm>

Castaneda, E., 2017. A Geographically-aware Multilevel Analysis on the Association between Atmospheric Temperature and the Emergency and Transitional Shelter Population.

https://s3.amazonaws.com/academia.edu.documents/37012436/Siordia-Smith-Castaneda_HumanGeographies_2014.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1545958854&Signature=2WZ8pWM3k35bPjRm4Y9jZtuCb24%3D&response-content-disposition=inline%3B%20filename%3DA_Geographically-aware_Multilevel_Analys.pdf

Georganos, S., 2016. Exploring the spatial relationship between NDVI and rainfall in the semi-arid Sahel with geographically weighted regression. *Student thesis series INES*.

<https://lup.lub.lu.se/student-papers/search/publication/8885965>

Wang, M., He, G., Zhang, Z., Wang, G., Zhang, Z., Cao, X., Wu, Z. and Liu, X., 2017. Comparison of Spatial Interpolation and Regression Analysis Models for an Estimation of Monthly Near Surface Air Temperature in China. *Remote Sensing*, 9(12), p.1278.

<https://www.mdpi.com/2072-4292/9/12/1278>

Narashid, R.H., Rainis, R. and Rahaman, Z.A., 2017. The Impact of Vegetation on the Local Variations of Rainfall. *PERTANIKA JOURNAL OF SCIENCE AND TECHNOLOGY*, 25, pp.207-218.

[http://www.pertanika.upm.edu.my/Pertanika%20PAPERS/JST%20Vol.%2025%20\(S\)%20Jul.%202017/21%20JST\(S\)-0348-2017-5thProof.pdf](http://www.pertanika.upm.edu.my/Pertanika%20PAPERS/JST%20Vol.%2025%20(S)%20Jul.%202017/21%20JST(S)-0348-2017-5thProof.pdf)

Tan, X., Guo, P.T., Wu, W., Li, M.F. and Liu, H.B., 2017. Prediction of soil properties by using geographically weighted regression at a regional scale. *Soil Research*, 55(4), pp.318-331.

<http://www.publish.csiro.au/sr/sr16177>

Couloigner, I., Bertazzon, S., Underwood, F., Johnson, M. and Van Ryswyk, K., Spatial Modelling of Air Pollutants in the City of Calgary and Surrounding Areas.

<https://pdfs.semanticscholar.org/1c52/ddbd725aa65d47b189bc20051b77066f5a3b.pdf>

White, M.L. and Stallins, J.A., 2017. Nonmeteorological influences on severe thunderstorm warning issuance: a geographically weighted regression-based analysis of county warning area boundaries, land cover, and demographic variables. *Weather, climate, and society*, 9(3), pp.421-439.

<https://journals.ametsoc.org/doi/abs/10.1175/WCAS-D-15-0070.1>

Li, X., Zhang, C., Li, W. and Liu, K., 2017. Evaluating the Use of DMSP/OLS Nighttime Light Imagery in Predicting PM_{2.5} Concentrations in the Northeastern United States. *Remote Sensing*, 9(6), p.620.

<https://www.mdpi.com/2072-4292/9/6/620/htm>

Kallio, M., Guillaume, J.H., Kumm, M. and Virrantaus, K., 2017. Spatial Variation in Seasonal Water Poverty Index for Laos: An Application of Geographically Weighted Principal Component Analysis. *Social Indicators Research*, pp.1-27.

<https://link.springer.com/content/pdf/10.1007/s11205-017-1819-6.pdf>

Feng, X., 2017. Research on Spatial Correlation Between Air Quality and Land Use Based on GWR Models. *Nature Environment & Pollution Technology*, 16(1).

[http://www.neptjournal.com/upload-images/NL-59-22-\(20\)D-464.pdf](http://www.neptjournal.com/upload-images/NL-59-22-(20)D-464.pdf)

Guo, L., Chen, Y., Shi, T., Zhao, C., Liu, Y., Wang, S. and Zhang, H., 2017. Exploring the role of the spatial characteristics of visible and near-Infrared reflectance in predicting soil organic carbon density. *ISPRS International Journal of Geo-Information*, 6(10), p.308.

<https://www.mdpi.com/2220-9964/6/10/308>

Zhao, Q., Wentz, E., Fotheringham, S., Yabiku, S., Hall, S., Glick, J., Dai, J., Clark, M. and Heavenrich, H., 2016, January. Semi-Parametric Geographically Weighted Regression (S-GWR): A Case Study on Invasive Plant Species Distribution in Subtropical Nepal.

In *International Conference on GIScience Short Paper Proceedings* (Vol. 1, No. 1).

<https://cloudfront.escholarship.org/dist/prd/content/qt8kv3n3bq/qt8kv3n3bq.pdf>

Diniz-Filho, J.A.F., Soares, T.N. and de Campos Telles, M.P., 2016. Geographically weighted regression as a generalized Wombling to detect barriers to gene flow. *Genetica*, 144(4), pp.425-433.

<https://link.springer.com/article/10.1007/s10709-016-9911-4>

Kumari, M., Singh, C.K., Basistha, A., Dorji, S. and Tamang, T.B., 2017. Non-stationary modelling framework for rainfall interpolation in complex terrain. *International Journal of Climatology*, 37(11), pp.4171-4185.

<https://rmets.onlinelibrary.wiley.com/doi/abs/10.1002/joc.5057>

Kalota, D., 2017. Exploring relation of land surface temperature with selected variables using geographically weighted regression and ordinary least square methods in Manipur State, India. *Geocarto International*, 32(10), pp.1105-1119.

<https://www.tandfonline.com/doi/abs/10.1080/10106049.2016.1195883>

Meik, J.M. and Lawing, A.M., 2017. Considerations and Pitfalls in the Spatial Analysis of Water Quality Data and Its Association With Hydraulic Fracturing. In *Advances in Chemical Pollution, Environmental Management and Protection* (Vol. 1, pp. 227-256). Elsevier.

<https://www.sciencedirect.com/science/article/abs/pii/S2468928917300138>

Kara, F., Yucel, I. and Akyurek, Z., 2016. Climate change impacts on extreme precipitation of water supply area in Istanbul: use of ensemble climate modelling and geo-statistical downscaling. *Hydrological Sciences Journal*, 61(14), pp.2481-2495.

<https://www.tandfonline.com/doi/abs/10.1080/02626667.2015.1133911>

Shirvani, Z., Abdi, O., Buchroithner, M.F. and Pradhan, B., 2017. Analysing Spatial and Statistical Dependencies of Deforestation Affected by Residential Growth: Gorganrood Basin, Northeast Iran. *Land degradation & development*, 28(7), pp.2176-2190.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/ldr.2744>

Jin, Q., Zhang, J., Shi, M. and Huang, J., 2016. Estimating Loess Plateau Average Annual Precipitation with Multiple Linear Regression Kriging and Geographically Weighted Regression Kriging. *Water*, 8(6), p.266.

<https://www.mdpi.com/2073-4441/8/6/266/html>

Razmi, R., Balyani, S. and Daneshvar, M.R.M., 2017. Geo-statistical modeling of mean annual rainfall over the Iran using ECMWF database. *Spatial Information Research*, 25(2), pp.219-227.

<https://link.springer.com/article/10.1007/s41324-017-0097-3>

Luo, X. and Peng, Y., 2016. Scale effects of the relationships between urban heat islands and impact factors based on a geographically-weighted regression model. *Remote Sensing*, 8(9), p.760.

<https://www.mdpi.com/2072-4292/8/9/760/htm>

- Ramezankhani, R., Hosseini, A., Sajjadi, N., Khoshabi, M. and Ramezankhani, A., 2017. Environmental risk factors for the incidence of cutaneous leishmaniasis in an endemic area of Iran: A GIS-based approach. *Spatial and spatio-temporal epidemiology*, 21, pp.57-66.
<https://www.sciencedirect.com/science/article/abs/pii/S1877584516300740>
- Varouchakis, E.A., Giannakis, G.V., Lilli, M.A., Ioannidou, E., Nikolaidis, N.P. and Karatzas, G.P., 2016. Development of a statistical tool for the estimation of riverbank erosion probability. *Soil*, 2(1), pp.1-11.
<https://www.soil-journal.net/2/1/2016/soil-2-1-2016.html>
- Georganos, S., Abdi, A.M., Tenenbaum, D.E. and Kalogirou, S., 2017. Examining the NDVI-rainfall relationship in the semi-arid Sahel using geographically weighted regression. *Journal of Arid Environments*, 146, pp.64-74.
<https://www.sciencedirect.com/science/article/abs/pii/S014019631730126X>
- Blachowski, J., 2016. Application of GIS spatial regression methods in assessment of land subsidence in complicated mining conditions: case study of the Walbrzych coal mine (SW Poland). *Natural Hazards*, 84(2), pp.997-1014.
<https://link.springer.com/article/10.1007/s11069-016-2470-2>
- Wu, S.S., Yang, H., Guo, F. and Han, R.M., 2017. Spatial patterns and origins of heavy metals in Sheyang River catchment in Jiangsu, China based on geographically weighted regression. *Science of the Total Environment*, 580, pp.1518-1529.
<https://www.sciencedirect.com/science/article/pii/S0048969716328273>
- Cheng, J., Dai, S. and Ye, X., 2016. Spatiotemporal heterogeneity of industrial pollution in China. *China Economic Review*, 40, pp.179-191.
<https://www.sciencedirect.com/science/article/pii/S1043951X16300724>
- MacFadyen, S., Hui, C., Verburg, P.H. and Van Teeffelen, A.J., 2016. Quantifying spatiotemporal drivers of environmental heterogeneity in Kruger National Park, South Africa. *Landscape Ecology*, 31(9), pp.2013-2029.
<https://link.springer.com/article/10.1007/s10980-016-0378-6>
- Ciotoli, G., Voltaggio, M., Tuccimei, P., Soligo, M., Pasculli, A., Beaubien, S.E. and Bigi, S., 2017. Geographically weighted regression and geostatistical techniques to construct the geogenic radon potential map of the Lazio region: A methodological proposal for the European Atlas of Natural Radiation. *Journal of environmental radioactivity*, 166, pp.355-375.
<https://www.sciencedirect.com/science/article/pii/S0265931X16301540>
- Li, C., Li, F., Wu, Z. and Cheng, J., 2017. Exploring spatially varying and scale-dependent relationships between soil contamination and landscape patterns using geographically weighted regression. *Applied geography*, 82, pp.101-114.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622816302983>

Deilami, K., Kamruzzaman, M. and Hayes, J.F., 2016. Correlation or causality between land cover patterns and the urban heat island effect? Evidence from Brisbane, Australia. *Remote Sensing*, 8(9), p.716.

<https://www.mdpi.com/2072-4292/8/9/716>

Kumari, M., Singh, C.K., Bakimchandra, O. and Basistha, A., 2017. Geographically weighted regression based quantification of rainfall–topography relationship and rainfall gradient in Central Himalayas. *International Journal of Climatology*, 37(3), pp.1299-1309.

<https://rmets.onlinelibrary.wiley.com/doi/abs/10.1002/joc.4777>

Hu, Q., Yang, H., Meng, X., Wang, Y. and Deng, P., 2015. Satellite and gauge rainfall merging using geographically weighted regression. *Proceedings of the International Association of Hydrological Sciences*, 368, pp.132-137.

<https://www.proc-iahs.net/368/132/2015/piahs-368-132-2015.html>

DENG, P., 2015. Satellite and gauge rainfall merging using geographically weighted regression.

<https://iahs.info/uploads/dms/17342.27-132-137-368-01-A05Corr.pdf>

Guo-feng, Z.H.A.N.G., Li-rong, Y.A.N.G., Ming-kai, Q.U. and Hui-lin, C.H.E.N., 2015. Interpolation of daily mean temperature by using geographically weighted regression-Kriging. *Yingyong Shengtai Xuebao*, 26(5).

<https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=10019332&AN=102953526&h=TXLCNVbwKUabuMzjFpBPaqjWx2dd1QnwxeEj0kvP0oTLzXdZ2OGB7shfb7JA8yQeYutFOMUHskulepyumuMSgA%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d10019332%26AN%3d102953526>

Hu, Q.F., Li, Z., Wang, Y.T., Liu, Y.L. and Cui, T.T., 2014. An Assessment on Geographically Weighted Regression-Based Merging Method of Satellite and Gauge Rainfall. In *Applied Mechanics and Materials* (Vol. 641, pp. 19-24). Trans Tech Publications.

<https://www.scientific.net/AMM.641-642.19>

Gundogdu, I.B., Geographically Weighted Regression and Secondary Variables for Mapping of Meteorological Data.

<http://www.davidpublisher.org/Public/uploads/Contribute/55a7668e81cef.pdf>

Santos, G.S., de Mello, L.L. and Gomes, R.A., 2015. A SPATIAL ANALYSIS OF NON ACUSTICAL FACTORS RELATED TO AIRCRAFT NOISE. In *V congreso de La Red Iberoamericana de Investigación en Transporte Aéreo (RIDITA). Libro de Actas. Universitat Politecnica de Catalunya*(pp. 263-273).

https://www.researchgate.net/profile/Gustavo_Santos17/publication/283504924_A_SPATIAL_ANALYSIS_OF_NON_ACUSTICAL_FACTORS_RELATED_TO_AIRCRAFT_NOISE/links/563bbdec08aec6f17dd4eaa7.pdf

Moon, H. and Choi, M., 2015. Dryness Indices Based on Remotely Sensed Vegetation and Land Surface Temperature for Evaluating the Soil Moisture Status in Cropland-Forest-Dominant Watersheds. *Terrestrial, Atmospheric & Oceanic Sciences*, 26(5).

<https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=10170839&AN=110927062&h=serfFfT0o5jmxRbvr2fZOTaIRgY9GfT4Blczhz%2fQgF5xdwdOiDS41sJ6ynBKgcO8jXSigv2K93U0goGbMh8I%2bg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d10170839%26AN%3d110927062>

Li, H., 2015. Spatial-Temporal analysis of heavy metal water pollution and the impact on public health in China.

<http://etd.auburn.edu/handle/10415/4659>

Zhao, N., Chen, C.F., Zhou, X. and Yue, T.X., 2015. A comparison of two downscaling methods for precipitation in China. *Environmental Earth Sciences*, 74(8), pp.6563-6569.

<https://link.springer.com/article/10.1007/s12665-015-4750-7>

Duan, P., Qin, L., Wang, Y. and He, H., 2015. Spatiotemporal correlations between water footprint and agricultural inputs: A case study of maize production in northeast China. *Water*, 7(8), pp.4026-4040.

<https://www.mdpi.com/2073-4441/7/8/4026>

Kang, L., Di, L., Deng, M., Shao, Y., Yu, G. and Shrestha, R., 2014. Use of geographically weighted regression model for exploring spatial patterns and local factors behind NDVI-precipitation correlation. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 7(11), pp.4530-4538.

<https://ieeexplore.ieee.org/document/6930718>

Jaber, S.M. and Al-Qinna, M.I., 2015. Global and local modeling of soil organic carbon using Thematic Mapper data in a semi-arid environment. *Arabian Journal of Geosciences*, 8(5), pp.3159-3169.

<https://link.springer.com/article/10.1007/s12517-014-1370-6>

Saadatkah, N., Kassim, A. and Lee, M.L., 2014. Spatial patterns of precipitation, altitude and monsoon directions in Hulu Kelang area, Malaysia. *EJGE C*, 19, pp.521-534.

https://www.researchgate.net/profile/Nader_Saadatkah/publication/261993408_Spatial_Patterns_of_Precipitation_Altitude_and_Monsoon_Directions_in_Hulu_Kelang_Area_Malaysia/links/5411286f0cf2df04e75d71de.pdf

Chenliang, W., Tianxiang, Y. and Zemeng, F., 2014. Solar radiation climatology calculation in China. *Journal of Resources and Ecology*, 5(2), pp.132-138.

<http://www.bioone.org/doi/abs/10.5814/j.issn.1674-764X.2014.02.005>

Czarnota, J., Wheeler, D.C. and Gennings, C., 2015. Evaluating geographically weighted regression models for environmental chemical risk analysis. *Cancer informatics*, 14, pp.CIN-S17296.

<https://journals.sagepub.com/doi/abs/10.4137/CIN.S17296>

Lin, G., Fu, J., Jiang, D., Wang, J., Wang, Q. and Dong, D., 2015. Spatial variation of the relationship between PM_{2.5} concentrations and meteorological parameters in China. *BioMed research international*, 2015.

<https://www.hindawi.com/journals/bmri/2015/684618/>

Vidyalakshmi, R., 2012. *Assessment of Environmental Determinants of Acute Gastro Enteritis using Geographically Weighted Regression Analysis* (Doctoral dissertation, Bharathidasan University).

<https://pdfs.semanticscholar.org/6d8a/565d43abe89e1ed0c65c185c91880dd36101.pdf>

Mucciardi, M., Bertucelli, P. and Di Giuseppe, E., Local Spatial Modeling of Meteorological Variables.

https://www.researchgate.net/profile/Edmondo_Di_Giuseppe/publication/258860110_Local_Spatial_Modeling_of_Meteorological_Variables/links/02e7e529486d42f18b000000/Local-Spatial-Modeling-of-Meteorological-Variables.pdf

Dan-Dan, L., Rui, L. and Dong, C., 2013. Heterogeneity Analysis on Carbon Emissions of Region using Geographically Weighted Regression. *Journal of Applied Sciences*, 13, pp.2384-2388.

<http://adsabs.harvard.edu/abs/2013JApSc..13.2384D>

Zhang, J. and Qin, Y., 2013, June. Spatial heterogeneity of urban residential carbon emissions in China. In *Geoinformatics (GEOINFORMATICS), 2013 21st International Conference on* (pp. 1-6). IEEE.

<https://ieeexplore.ieee.org/abstract/document/6626145>

Mawiyoo, S.U. and Munch, Z., Exploring Local Relationships between Vegetation Cover and Quality of Life Indicators Using an Exploratory Spatial Regression Approach: Gauteng Province, South Africa. *AGSE 2011*, p.237.

https://www.researchgate.net/profile/Bahram_Abedinangerabi/publication/252028133_The_effects_of_land%27s_proximity_to_river_on_spatial_pattern_of_land_prices_in_Tokyo_metropolitan_area_using_GIS_An_analytical_assessment/links/5858133708aeffd7c4fbb170/The-effects-of-lands-proximity-to-river-on-spatial-pattern-of-land-prices-in-Tokyo-metropolitan-area-using-GIS-An-analytical-assessment.pdf

Hu, Z., Liebens, J. and Rao, K.R., 2011. Merging satellite measurement with ground-based air quality monitoring data to assess health effects of fine particulate matter pollution. In *Geospatial Analysis of Environmental Health* (pp. 395-409). Springer, Dordrecht.

https://link.springer.com/chapter/10.1007/978-94-007-0329-2_20

Vasiliniuc, I., Patriche, C.V., Pîrnău, R. and Roșca, B., 2013. Statistical spatial models of soil parameters. An approach using different methods at different scales. *Environmental Engineering and Management Journal*, 12(3), pp.457-464.

https://www.researchgate.net/profile/Ionu_Vasiliniuc/publication/236142081_Statistical_spatial_models_of_soil_parameters_An_approach_using_different_methods_at_different_scales/links/00b7d5166db2d1df0a000000.pdf

Shang, R.K., Shiu, Y.S. and Ma, K.C., 2011, June. Using geographically weighted regression to explore the spatially varying relationship between land subsidence and groundwater level variations: a case study in the Choshuichi alluvial fan, Taiwan. In *Spatial Data Mining and Geographical Knowledge Services (ICSDM), 2011 IEEE International Conference on* (pp. 21-25). IEEE.

<https://ieeexplore.ieee.org/abstract/document/5968998>

Wang, C., Zhang, J. and Yan, X., 2012. The use of geographically weighted regression for the relationship among extreme climate indices in China. *Mathematical Problems in Engineering*, 2012.

<https://www.hindawi.com/journals/mpe/2012/369539/abs/>

Suárez-Vega, R., Acosta-González, E., Casimiro-Reina, L. and Hernández, J.M., 2013. Assessing the spatial and environmental characteristics of rural tourism lodging units using a geographical weighted regression model. In *Quantitative methods in tourism economics* (pp. 195-212). Physica, Heidelberg.

https://link.springer.com/chapter/10.1007/978-3-7908-2879-5_11

Tutmez, B., Kaymak, U., Tercan, A.E. and Lloyd, C.D., 2012. Evaluating geo-environmental variables using a clustering based areal model. *Computers & geosciences*, 43, pp.34-41.

<https://www.sciencedirect.com/science/article/pii/S0098300412000544>

Inkpen, R.J., 2011. Scale as a relational network in weathering studies. *Geomorphology*, 130(1-2), pp.10-16.

<https://www.sciencedirect.com/science/article/pii/S0169555X11000572>

Usman, U., Yelwa, S.A., Gulumbe, S.U. and Danbaba, A., 2013. Modelling relationship between NDVI and climatic variables using geographically weighted regression. *J Math Sci Appl*, 1(2), pp.24-28.

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.974.1755&rep=rep1&type=pdf>

Leal, J.A.R., Silva, F.O.T. and Montes, I.S., 2012. Analysis of aquifer vulnerability and water quality using SINTACS and geographic weighted regression. *Environmental Earth Sciences*, 66(8), pp.2257-2271.

<https://link.springer.com/article/10.1007/s12665-011-1447-4>

Propastin, P. and Muratova, N., 2006, July. Spatial Non-stationarity and Time-dependency in the Relationship between NOAA-AVHRR NDVI and Climatic Determinants: Sensitivity to Landuse/Landcover Change. In *Geoscience and Remote Sensing Symposium, 2006. IGARSS 2006. IEEE International Conference on* (pp. 2099-2102). IEEE.

<https://ieeexplore.ieee.org/abstract/document/4241690>

Leal, J.R., Medrano, C.N., Silva, F.T., García, J.S. and Gutiérrez, L.R., 2012. Assessing the inconsistency between groundwater vulnerability and groundwater quality: the case of Chapala Marsh, Mexico. *Hydrogeology journal*, 20(3), pp.591-603.

<https://link.springer.com/article/10.1007/s10040-011-0823-1>

Härdle, W.K. and Osipenko, M., 2012. Spatial risk premium on weather derivatives and hedging weather exposure in electricity. *The Energy Journal*, pp.149-170.

https://www.jstor.org/stable/23268081?seq=1#metadata_info_tab_contents

Chu, H.J., 2012. Assessing the relationships between elevation and extreme precipitation with various durations in southern Taiwan using spatial regression models. *Hydrological Processes*, 26(21), pp.3174-3181.

<https://onlinelibrary.wiley.com/doi/full/10.1002/hyp.8403>

Ma, Z., Zuckerberg, B., Porter, W.F. and Zhang, L., 2012. Spatial Poisson models for examining the influence of climate and land cover pattern on bird species richness. *Forest Science*, 58(1), pp.61-74.

<https://academic.oup.com/forestscience/article/58/1/61/4604537>

Propastin, P., Kappas, M. and Erasmi, S., Scale-Dependency of Prediction Uncertainty by Modelling Relationship between Vegetation and Precipitation Patterns in Central Sulawesi, Indonesia.

https://www.researchgate.net/profile/Pavel_Propastin/publication/228592657_Scale-Dependency_of_Prediction_Uncertainty_by_Modelling_Relationship_between_Vegetation_and_Precipitation_Patterns_in_Central_Sulawesi_Indonesia/links/0deec51a70066cb976000000/Scale-Dependency-of-Prediction-Uncertainty-by-Modelling-Relationship-between-Vegetation-and-Precipitation-Patterns-in-Central-Sulawesi-Indonesia.pdf

Donlan, J., 2010. Spatial modelling of sustainability indicators and policy implications for sustainable development across the three regions of Ireland.

<https://ulir.ul.ie/handle/10344/1628>

Hu, Z., 2009. Quantitative Evaluation of Satellite Aerosol Data for Mapping Fine Particulate Air Pollution in the Conterminous United States. In *The 24th International Cartography Conference, Santiago, Chile*.

https://icaci.org/files/documents/ICC_proceedings/ICC2009/html/refer/6_4.pdf

Propastin, P. and Kappas, M., 2008. Spatio-temporal drifts in AVHRR/NDVI-precipitation relationships and their linkage to land use change in central Kazakhstan. *EARSeL eProceedings*, 7(1), pp.30-45.

http://eproceedings.org/static/vol07_1/07_1_propastin1.pdf

Tu, J., 2010. Exploring the spatially varying impact of urbanization on water quality in eastern Massachusetts using geographically weighted regression. In *Geospatial Technologies in Environmental Management* (pp. 143-162). Springer, Dordrecht.

https://link.springer.com/chapter/10.1007%2F978-90-481-9525-1_9

Yang, X., Wang, S., Zhang, W., Zhan, D. and Li, J., 2017. The impact of anthropogenic emissions and meteorological conditions on the spatial variation of ambient SO₂ concentrations: A panel study of 113 Chinese cities. *Science of the Total Environment*, 584, pp.318-328.
<https://www.sciencedirect.com/science/article/pii/S0048969716328352>

Lloyd, C.D., 2010. Multivariate interpolation of monthly precipitation amount in the United Kingdom. In *geoENV VII—geostatistics for environmental applications* (pp. 27-39). Springer, Dordrecht.
https://link.springer.com/chapter/10.1007/978-90-481-2322-3_3

Wang, C.L., Zhao, N., Yue, T.X., Zhao, M.W. and Chen, C., 2015. Change trend of monthly precipitation in China with an improved surface modeling method. *Environmental Earth Sciences*, 74(8), pp.6459-6469.
<https://link.springer.com/article/10.1007/s12665-014-4012-0>

Parmentier, B., McGill, B., Wilson, A.M., Regetz, J., Jetz, W., Guralnick, R.P., Tuanmu, M.N., Robinson, N. and Schildhauer, M., 2014. An assessment of methods and remote-sensing derived covariates for regional predictions of 1 km daily maximum air temperature. *Remote Sensing*, 6(9), pp.8639-8670.
<https://www.mdpi.com/2072-4292/6/9/8639ag>

Gao, J., Li, S., Zhao, Z. and Cai, Y., 2012. Investigating spatial variation in the relationships between NDVI and environmental factors at multi-scales: A case study of Guizhou Karst Plateau, China. *International journal of remote sensing*, 33(7), pp.2112-2129.
<https://www.tandfonline.com/doi/abs/10.1080/01431161.2011.605811>

Szymanowski, M., Kryza, M. and Spallek, W., 2013. Regression-based air temperature spatial prediction models: an example from Poland. *Meteorologische Zeitschrift*, 22(5), pp.577-585.
<https://www.ingentaconnect.com/content/schweiz/mz/2013/00000022/00000005/art00007>

Yuan, F. and Roy, S.S., 2007. Analysis of the relationship between NDVI and climate variables in Minnesota using geographically weighted regression and spatial interpolation. In *Proc. ASPRS 2007 Annual Conf* (pp. 784-789).
<https://pdfs.semanticscholar.org/1b04/e802aacd24061c0a5c7853e8ab81a41fdfe4.pdf>

Videras, J., 2014. Exploring spatial patterns of carbon emissions in the USA: a geographically weighted regression approach. *Population and Environment*, 36(2), pp.137-154.
<https://link.springer.com/article/10.1007/s11111-014-0211-6>

Haghverdi, A., Leib, B.G., Washington-Allen, R.A., Ayers, P.D. and Buschermohle, M.J., 2015. High-resolution prediction of soil available water content within the crop root zone. *Journal of Hydrology*, 530, pp.167-179.
<https://www.sciencedirect.com/science/article/pii/S0022169415007441>

Yuan, F., Wang, C. and Mitchell, M., 2014. Spatial patterns of land surface phenology relative to monthly climate variations: US Great Plains. *GIScience & remote sensing*, 51(1), pp.30-50.
https://www.tandfonline.com/doi/abs/10.1080/15481603.2014.883210?casa_token=rxrojm0bxM8AAAAA:3fHcLUCBwA6DObMtLcKgB92HmnTFZTret4WLHgHGVhHO5PWieGiPqEYWg4kjG-aORsFM9uiG4ke7

Zeng, C., Yang, L., Zhu, A.X., Rossiter, D.G., Liu, J., Liu, J., Qin, C. and Wang, D., 2016. Mapping soil organic matter concentration at different scales using a mixed geographically weighted regression method. *Geoderma*, 281, pp.69-82.
<https://www.sciencedirect.com/science/article/pii/S0016706116302816>

Charru, M., Seynave, I., Hervé, J.C. and Bontemps, J.D., 2014. Spatial patterns of historical growth changes in Norway spruce across western European mountains and the key effect of climate warming. *Trees*, 28(1), pp.205-221.
<https://link.springer.com/article/10.1007/s00468-013-0943-4>

Chu, Y., Liu, Y., Li, X., Liu, Z., Lu, H., Lu, Y., Mao, Z., Chen, X., Li, N., Ren, M. and Liu, F., 2016. A review on predicting ground PM_{2.5} concentration using satellite aerosol optical depth. *Atmosphere*, 7(10), p.129.
<https://www.mdpi.com/2073-4433/7/10/129>

Pasculli, A., Palermi, S., Sarra, A., Piacentini, T. and Miccadei, E., 2014. A modelling methodology for the analysis of radon potential based on environmental geology and geographically weighted regression. *Environmental modelling & software*, 54, pp.165-181.
<https://www.sciencedirect.com/science/article/pii/S1364815214000152>

Kim, S.G., Cho, S.H., Lambert, D.M. and Roberts, R.K., 2010. Measuring the value of air quality: application of the spatial hedonic model. *Air Quality, Atmosphere & Health*, 3(1), pp.41-51.
<https://link.springer.com/article/10.1007/s11869-009-0049-8>

Al-Ahmadi, K. and Al-Ahmadi, S., 2013. Rainfall-altitude relationship in Saudi Arabia. *Advances in Meteorology*, 2013.
<https://www.hindawi.com/journals/amete/2013/363029/abs/>

Harris, P. and Juggins, S., 2011. Estimating freshwater acidification critical load exceedance data for Great Britain using space-varying relationship models. *Mathematical Geosciences*, 43(3), p.265.
<https://link.springer.com/article/10.1007/s11004-011-9331-z>

Duan, S.B. and Li, Z.L., 2016. Spatial downscaling of MODIS land surface temperatures using geographically weighted regression: Case study in northern China. *IEEE Transactions on Geoscience and Remote Sensing*, 54(11), pp.6458-6469.
<https://ieeexplore.ieee.org/abstract/document/7517288>

Luo, J., Du, P., Samat, A., Xia, J., Che, M. and Xue, Z., 2017. Spatiotemporal pattern of PM 2.5 concentrations in mainland China and analysis of its influencing factors using geographically weighted regression. *Scientific reports*, 7, p.40607.

<https://www.nature.com/articles/srep40607>

Sharma, V., Irmak, A., Kabenge, I. and Irmak, S., 2011. Application of GIS and geographically weighted regression to evaluate the spatial non-stationarity relationships between precipitation vs. irrigated and rainfed maize and soybean yields. *Transactions of the ASABE*, 54(3), pp.953-972.

<https://elibrary.asabe.org/abstract.asp?aid=41227>

Robinson, D.P., Lloyd, C.D. and McKinley, J.M., 2013. Increasing the accuracy of nitrogen dioxide (NO₂) pollution mapping using geographically weighted regression (GWR) and geostatistics. *International Journal of Applied Earth Observation and Geoinformation*, 21, pp.374-383.

<https://www.sciencedirect.com/science/article/pii/S0303243411001589>

You, W., Zang, Z., Zhang, L., Li, Y. and Wang, W., 2016. Estimating national-scale ground-level PM_{2.5} concentration in China using geographically weighted regression based on MODIS and MISR AOD. *Environmental Science and Pollution Research*, 23(9), pp.8327-8338.

<https://link.springer.com/article/10.1007/s11356-015-6027-9>

Harris, P. and Brunsdon, C., 2010. Exploring spatial variation and spatial relationships in a freshwater acidification critical load data set for Great Britain using geographically weighted summary statistics. *Computers & Geosciences*, 36(1), pp.54-70.

<https://www.sciencedirect.com/science/article/pii/S0098300409002350>

Gaughan, A.E., Stevens, F.R., Gibbes, C., Southworth, J. and Binford, M.W., 2012. Linking vegetation response to seasonal precipitation in the Okavango–Kwando–Zambezi catchment of southern Africa. *International journal of remote sensing*, 33(21), pp.6783-6804.

<https://www.tandfonline.com/doi/abs/10.1080/01431161.2012.692831>

Sun, W., Zhu, Y., Huang, S. and Guo, C., 2015. Mapping the mean annual precipitation of China using local interpolation techniques. *Theoretical and applied climatology*, 119(1-2), pp.171-180.

<https://link.springer.com/article/10.1007/s00704-014-1105-3>

Zhao, Z., Gao, J., Wang, Y., Liu, J. and Li, S., 2015. Exploring spatially variable relationships between NDVI and climatic factors in a transition zone using geographically weighted regression. *Theoretical and Applied Climatology*, 120(3-4), pp.507-519.

<https://link.springer.com/article/10.1007/s00704-014-1188-x>

Huang, J., Huang, Y., Pontius, R.G. and Zhang, Z., 2015. Geographically weighted regression to measure spatial variations in correlations between water pollution versus land use in a coastal watershed. *Ocean & Coastal Management*, 103, pp.14-24.

<https://www.sciencedirect.com/science/article/pii/S0964569114003317>

Kumar, S. and Lal, R., 2011. Mapping the organic carbon stocks of surface soils using local spatial interpolator. *Journal of Environmental Monitoring*, 13(11), pp.3128-3135.
<https://pubs.rsc.org/en/content/articlelanding/2011/em/c1em10520e/unauth#!divAbstract>

Foody, G.M., 2003. Geographical weighting as a further refinement to regression modelling: An example focused on the NDVI–rainfall relationship. *Remote sensing of Environment*, 88(3), pp.283-293.
<https://www.sciencedirect.com/science/article/pii/S0034425703001949>

Gouveia, S.F., Hortal, J., Casemiro, F.A., Rangel, T.F. and Diniz-Filho, J.A.F., 2013. Nonstationary effects of productivity, seasonality, and historical climate changes on global amphibian diversity. *Ecography*, 36(1), pp.104-113.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1600-0587.2012.07553.x>

Brown, S., Versace, V.L., Laurenson, L., Ierodiaconou, D., Fawcett, J. and Salzman, S., 2012. Assessment of spatiotemporal varying relationships between rainfall, land cover and surface water area using geographically weighted regression. *Environmental Modeling & Assessment*, 17(3), pp.241-254.
<https://link.springer.com/article/10.1007/s10666-011-9289-8>

Tu, J., 2011. Spatially varying relationships between land use and water quality across an urbanization gradient explored by geographically weighted regression. *Applied Geography*, 31(1), pp.376-392.
<https://www.sciencedirect.com/science/article/pii/S0143622810000846>

Wang, Q., Ni, J. and Tenhunen, J., 2005. Application of a geographically-weighted regression analysis to estimate net primary production of Chinese forest ecosystems. *Global ecology and biogeography*, 14(4), pp.379-393.
<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1466-822X.2005.00153.x>

Mishra, U., Lal, R., Liu, D. and Van Meirvenne, M., 2010. Predicting the spatial variation of the soil organic carbon pool at a regional scale. *Soil Science Society of America Journal*, 74(3), pp.906-914.
<https://dl.sciencesocieties.org/publications/sssaj/abstracts/74/3/906>

Jetz, W., Rahbek, C. and Lichstein, J.W., 2005. Local and global approaches to spatial data analysis in ecology. *Global Ecology and Biogeography*, 14(1), pp.97-98.
<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1466-822X.2004.00129.x>

Hu, X., Waller, L.A., Al-Hamdan, M.Z., Crosson, W.L., Estes Jr, M.G., Estes, S.M., Quattrochi, D.A., Sarnat, J.A. and Liu, Y., 2013. Estimating ground-level PM_{2.5} concentrations in the southeastern US using geographically weighted regression. *Environmental Research*, 121, pp.1-10.
<https://www.sciencedirect.com/science/article/pii/S0013935112003167>

- Jaimes, N.B.P., Sendra, J.B., Delgado, M.G. and Plata, R.F., 2010. Exploring the driving forces behind deforestation in the state of Mexico (Mexico) using geographically weighted regression. *Applied Geography*, 30(4), pp.576-591.
<https://www.sciencedirect.com/science/article/pii/S0143622810000561>
- Kumar, S., Lal, R. and Liu, D., 2012. A geographically weighted regression kriging approach for mapping soil organic carbon stock. *Geoderma*, 189, pp.627-634.
<https://www.sciencedirect.com/science/article/pii/S0016706112002133>
- Lin, C.H. and Wen, T.H., 2011. Using geographically weighted regression (GWR) to explore spatial varying relationships of immature mosquitoes and human densities with the incidence of dengue. *International journal of environmental research and public health*, 8(7), pp.2798-2815.
<https://www.mdpi.com/1660-4601/11/1/173/htm>
- Zhang, C., Tang, Y., Xu, X. and Kiely, G., 2011. Towards spatial geochemical modelling: use of geographically weighted regression for mapping soil organic carbon contents in Ireland. *Applied Geochemistry*, 26(7), pp.1239-1248.
<https://www.sciencedirect.com/science/article/pii/S0883292711002253>
- Wang, K., Zhang, C. and Li, W., 2013. Predictive mapping of soil total nitrogen at a regional scale: A comparison between geographically weighted regression and cokriging. *Applied Geography*, 42, pp.73-85.
<https://www.sciencedirect.com/science/article/pii/S0143622813000878>
- Bostan, P.A., Heuvelink, G.B. and Akyurek, S.Z., 2012. Comparison of regression and kriging techniques for mapping the average annual precipitation of Turkey. *International Journal of Applied Earth Observation and Geoinformation*, 19, pp.115-126.
<https://www.sciencedirect.com/science/article/pii/S030324341200089X>
- Lloyd, C.D., 2010. Nonstationary models for exploring and mapping monthly precipitation in the United Kingdom. *International Journal of Climatology*, 30(3), pp.390-405.
<https://rmets.onlinelibrary.wiley.com/doi/abs/10.1002/joc.1892>
- Zhang, L. and Gove, J.H., 2005. Spatial assessment of model errors from four regression techniques. *Forest Science*, 51(4), pp.334-346.
<https://academic.oup.com/forestscience/article/51/4/334/4617291>
- Wang, S., Fang, C., Ma, H., Wang, Y. and Qin, J., 2014. Spatial differences and multi-mechanism of carbon footprint based on GWR model in provincial China. *Journal of Geographical Sciences*, 24(4), pp.612-630.
<https://link.springer.com/article/10.1007/s11442-014-1109-z>
- Chang, H. and Psaris, M., 2013. Local landscape predictors of maximum stream temperature and thermal sensitivity in the Columbia River Basin, USA. *Science of the Total Environment*, 461, pp.587-600.
<https://www.sciencedirect.com/science/article/pii/S0048969713005767>

Kamarianakis, Y., Feidas, H., Kokolatos, G., Chrysoulakis, N. and Karatzias, V., 2008. Evaluating remotely sensed rainfall estimates using nonlinear mixed models and geographically weighted regression. *Environmental Modelling & Software*, 23(12), pp.1438-1447.
<https://www.sciencedirect.com/science/article/pii/S1364815208000686>

Harris, P., Fotheringham, A.S. and Juggins, S., 2010. Robust geographically weighted regression: a technique for quantifying spatial relationships between freshwater acidification critical loads and catchment attributes. *Annals of the Association of American Geographers*, 100(2), pp.286-306.
https://www.tandfonline.com/doi/abs/10.1080/00045600903550378?casa_token=yFfh2AL5PPkAAAA:Ray924GaAgrfPgrGpiUiU4Sq5eDcGU4w3IBknf9MOMI7QfNTYUkXld5VsnOYHiPR5JmxRjC8DMO

Wang, Z.B. and Fang, C.L., 2016. Spatial-temporal characteristics and determinants of PM_{2.5} in the Bohai Rim Urban Agglomeration. *Chemosphere*, 148, pp.148-162.
<https://www.sciencedirect.com/science/article/pii/S0045653515305737>

Fang, C., Liu, H., Li, G., Sun, D. and Miao, Z., 2015. Estimating the impact of urbanization on air quality in China using spatial regression models. *Sustainability*, 7(11), pp.15570-15592.
<https://www.mdpi.com/2071-1050/7/11/15570/htm>

Kumar, S., Lal, R., Liu, D. and Rafiq, R., 2013. Estimating the spatial distribution of organic carbon density for the soils of Ohio, USA. *Journal of Geographical Sciences*, 23(2), pp.280-296.
<https://link.springer.com/article/10.1007/s11442-013-1010-1>

Tian, F., Qiu, G.Y., Yang, Y.H., Xiong, Y.J. and Wang, P., 2012. Studies on the relationships between land surface temperature and environmental factors in an inland river catchment based on geographically weighted regression and MODIS data. *IEEE Journal of selected topics in applied earth observations and remote sensing*, 5(3), pp.687-698.
<https://ieeexplore.ieee.org/abstract/document/6186795>

Javi, S.T., Malekmohammadi, B. and Mokhtari, H., 2014. Application of geographically weighted regression model to analysis of spatiotemporal varying relationships between groundwater quantity and land use changes (case study: Khanmirza Plain, Iran). *Environmental monitoring and assessment*, 186(5), pp.3123-3138.
<https://link.springer.com/article/10.1007/s10661-013-3605-5>

Harris, P., Clarke, A., Juggins, S., Brunson, C. and Charlton, M., 2014. Geographically weighted methods and their use in network re-designs for environmental monitoring. *Stochastic environmental research and risk assessment*, 28(7), pp.1869-1887.
<https://link.springer.com/article/10.1007/s00477-014-0851-1>

Fu, J., Jiang, D., Lin, G., Liu, K. and Wang, Q., 2015. An ecological analysis of PM_{2.5} concentrations and lung cancer mortality rates in China. *BMJ open*, 5(11), p.e009452.
<https://bmjopen.bmj.com/content/5/11/e009452.abstract>

Kumar, S., Lal, R. and Lloyd, C.D., 2012. Assessing spatial variability in soil characteristics with geographically weighted principal components analysis. *Computational Geosciences*, 16(3), pp.827-835.

<https://link.springer.com/article/10.1007/s10596-012-9290-6>

Scull, P., 2010. A top-down approach to the state factor paradigm for use in macroscale soil analysis. *Annals of the Association of American Geographers*, 100(1), pp.1-12.

<https://www.tandfonline.com/doi/abs/10.1080/00045600903362279>

Mohammadi, M., Darvishan, A.K. and Bahramifar, N., 2019. Spatial distribution and source identification of heavy metals (As, Cr, Cu and Ni) at sub-watershed scale using geographically weighted regression. *International Soil and Water Conservation Research*, 7(3), pp.308-315.

<https://doi.org/10.1016/j.iswcr.2019.01.005>

Ren, Y., Lü, Y., Fu, B., Comber, A., Li, T. and Hu, J., 2020. Driving Factors of Land Change in China's Loess Plateau: Quantification Using Geographically Weighted Regression and Management Implications. *Remote Sensing*, 12(3), p.453.

<https://doi.org/10.3390/rs12030453>

Fotheringham, A.S., Yue, H. and Li, Z., 2019. Examining the influences of air quality in China's cities using multi-scale geographically weighted regression. *Transactions in GIS*, 23(6), pp.1444-1464.

<https://doi.org/10.1111/tgis.12580>

Yang, Q., Yuan, Q., Yue, L. and Li, T., 2020. Investigation of the spatially varying relationships of PM_{2.5} with meteorology, topography, and emissions in China in 2015 by using modified geographically weighted regression. *Environmental Pollution*, p.114257.

<https://doi.org/10.1016/j.envpol.2020.114257>

Koh, E.H., Lee, E. and Lee, K.K., 2020. Application of geographically weighted regression models to predict spatial characteristics of nitrate contamination: Implications for an effective groundwater management strategy. *Journal of Environmental Management*, 268, p.110646.

<https://doi.org/10.1016/j.jenvman.2020.110646>

Lin, X., Su, Y.C., Shang, J., Sha, J., Li, X., Sun, Y.Y., Ji, J. and Jin, B., 2019. Geographically Weighted Regression Effects on Soil Zinc Content Hyperspectral Modeling by Applying the Fractional-Order Differential. *Remote Sensing*, 11(6), p.636.

<https://doi.org/10.3390/rs11060636>

Wang, J., Wang, S. and Li, S., 2019. Examining the spatially varying effects of factors on PM_{2.5} concentrations in Chinese cities using geographically weighted regression modeling. *Environmental pollution*, 248, pp.792-803.

<https://doi.org/10.1016/j.envpol.2019.02.081>

Chen, S., Feng, Y., Tong, X., Liu, S., Xie, H., Gao, C. and Lei, Z., 2020. Modeling ESV losses caused by urban expansion using cellular automata and geographically weighted regression. *Science of The Total Environment*, 712, p.136509.

<https://doi.org/10.1016/j.scitotenv.2020.136509>

Cui, L., Li, R., Zhang, Y., Meng, Y., Zhao, Y. and Fu, H., 2019. A geographically and temporally weighted regression model for assessing intra-urban variability of volatile organic compounds (VOCs) in Yangpu district, Shanghai. *Atmospheric Environment*, 213, pp.746-756.

<https://doi.org/10.1016/j.atmosenv.2019.06.052>

Qin, H., Huang, Q., Zhang, Z., Lu, Y., Li, M., Xu, L. and Chen, Z., 2019. Carbon dioxide emission driving factors analysis and policy implications of Chinese cities: Combining geographically weighted regression with two-step cluster. *Science of The Total Environment*, 684, pp.413-424.

<https://doi.org/10.1016/j.scitotenv.2019.05.352>

Zhang, P., Yang, D., Zhang, Y., Li, Y., Liu, Y., Cen, Y., Zhang, W., Geng, W., Rong, T., Liu, Y. and Shao, J., 2020. Re-examining the drive forces of China's industrial wastewater pollution based on GWR model at provincial level. *Journal of Cleaner Production*, p.121309.

<https://doi.org/10.1016/j.jclepro.2020.121309>

Wang, Z., Xiao, J., Wang, L., Liang, T., Guo, Q., Guan, Y. and Rinklebe, J., 2020. Elucidating the differentiation of soil heavy metals under different land uses with geographically weighted regression and self-organizing map. *Environmental Pollution*, 260, p.114065.

<https://doi.org/10.1016/j.envpol.2020.114065>

Wang, D., Li, X., Zou, D., Wu, T., Xu, H., Hu, G., Li, R., Ding, Y., Zhao, L., Li, W. and Wu, X., 2020. Modeling soil organic carbon spatial distribution for a complex terrain based on geographically weighted regression in the eastern Qinghai-Tibetan Plateau. *Catena*, 187, p.104399.

<https://doi.org/10.1016/j.catena.2019.104399>

Wei, Q., Zhang, L., Duan, W. and Zhen, Z., 2019. Global and Geographically and Temporally Weighted Regression Models for Modeling PM_{2.5} in Heilongjiang, China from 2015 to 2018. *International journal of environmental research and public health*, 16(24), p.5107.

<https://doi.org/10.3390/ijerph16245107>

Zhao, R., Zhan, L., Yao, M. and Yang, L., 2020. A geographically weighted regression model augmented by Geodetector analysis and principal component analysis for the spatial distribution of PM_{2.5}. *Sustainable Cities and Society*, 56, p.102106.

<https://doi.org/10.1016/j.scs.2020.102106>

Zhang, Y., Middel, A. and Turner, B.L., 2019. Evaluating the effect of 3D urban form on neighborhood land surface temperature using Google Street View and geographically weighted regression. *Landscape Ecology*, 34(3), pp.681-697.

<https://link.springer.com/article/10.1007/s10980-019-00794-y>

Wu, J., Zhong, B., Tian, S., Yang, A. and Wu, J., 2019. Downscaling of Urban Land Surface Temperature Based on Multi-Factor Geographically Weighted Regression. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 12(8), pp.2897-2911. <https://doi.org/10.1109/JSTARS.2019.2919936>

Duncan, J.M.A., Boruff, B., Saunders, A., Sun, Q., Hurley, J. and Amati, M., 2019. Turning down the heat: An enhanced understanding of the relationship between urban vegetation and surface temperature at the city scale. *Science of the Total Environment*, 656, pp.118-128. <https://doi.org/10.1016/j.scitotenv.2018.11.223>

Wang, Z., Fan, C., Zhao, Q. and Myint, S.W., 2020. A Geographically Weighted Regression Approach to Understanding Urbanization Impacts on Urban Warming and Cooling: A Case Study of Las Vegas. *Remote Sensing*, 12(2), p.222. <https://doi.org/10.3390/rs12020222>

Hu, X. and Xu, H., 2019. Spatial variability of urban climate in response to quantitative trait of land cover based on GWR model. *Environmental monitoring and assessment*, 191(3), p.194. <https://link.springer.com/article/10.1007/s10661-019-7343-1>

Du, L., Wang, H. and Xu, H., 2020. Analysis of spatial-temporal association and factors influencing environmental pollution incidents in China. *Environmental Impact Assessment Review*, 82, p.106384. <https://doi.org/10.1016/j.eiar.2020.106384>

Chen, X., Zhao, Q., Huang, F., Qiu, R., Lin, Y., Zhang, L. and Hu, X., 2020. Understanding spatial variation in the driving pattern of carbon dioxide emissions from taxi sector in great Eastern China: evidence from an analysis of geographically weighted regression. *CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY*, 22(4), pp.979-991. <https://link.springer.com/article/10.1007%2Fs10098-020-01845-8>

Wang, H. and Zhang, X., 2020. Spatial heterogeneity of factors influencing transportation CO₂ emissions in Chinese cities: based on geographically weighted regression model. *Air Quality, Atmosphere & Health*, 13(8), pp.977-989. <https://link.springer.com/article/10.1007/s11869-020-00854-2>

Song, W., Jia, H., Li, Z., Tang, D. and Wang, C., 2019. Detecting urban land-use configuration effects on NO₂ and NO variations using geographically weighted land use regression. *Atmospheric Environment*, 197, pp.166-176. <https://doi.org/10.1016/j.atmosenv.2018.10.031>

Li, F., Sun, W., Yang, G. and Weng, Q., 2019. Investigating spatiotemporal patterns of surface urban heat islands in the Hangzhou Metropolitan Area, China, 2000–2015. *Remote Sensing*, 11(13), p.1553. <https://doi.org/10.3390/rs11131553>

Zhou, S. and Lin, R., 2019. Spatial-temporal heterogeneity of air pollution: The relationship between built environment and on-road PM_{2.5} at micro scale. *Transportation Research Part D: Transport and Environment*, 76, pp.305-322.

<https://doi.org/10.1016/j.trd.2019.09.004>

Wu, S., Du, Z., Wang, Y., Lin, T., Zhang, F. and Liu, R., 2020. Modeling spatially anisotropic nonstationary processes in coastal environments based on a directional geographically neural network weighted regression. *Science of The Total Environment*, 709, p.136097.

<https://doi.org/10.1016/j.scitotenv.2019.136097>

Fei, X., Christakos, G., Xiao, R., Ren, Z., Liu, Y. and Lv, X., 2019. Improved heavy metal mapping and pollution source apportionment in Shanghai City soils using auxiliary information. *Science of The Total Environment*, 661, pp.168-177.

<https://doi.org/10.1016/j.scitotenv.2019.01.149>

Peng, Y., Li, W., Luo, X. and Li, H., 2019. A geographically and temporally weighted regression model for spatial downscaling of MODIS land surface temperatures over urban heterogeneous regions. *IEEE Transactions on Geoscience and Remote Sensing*, 57(7), pp.5012-5027.

<https://doi.org/10.1016/10.1109/TGRS.2019.2895351>

Lu, X., Tang, G., Wang, X., Liu, Y., Jia, L., Xie, G., Li, S. and Zhang, Y., 2019. Correcting GPM IMERG precipitation data over the Tianshan Mountains in China. *Journal of Hydrology*, 575, pp.1239-1252.

<https://doi.org/10.1016/j.jhydrol.2019.06.019>

Zhang, G., Shi, Y. and Xu, M., 2020. Evaluation of LJ1-01 Nighttime Light Imagery for Estimating Monthly PM_{2.5} Concentration: A Comparison With NPP-VIIRS Nighttime Light Data. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 13, pp.3618-3632.

<https://doi.org/10.1109/JSTARS.2020.3002671>

Chen, S., Zhang, L., She, D. and Chen, J., 2019. Spatial Downscaling of Tropical Rainfall Measuring Mission (TRMM) Annual and Monthly Precipitation Data over the Middle and Lower Reaches of the Yangtze River Basin, China. *Water*, 11(3), p.568.

<https://doi.org/10.3390/w11030568>

Zhang, Y., Wang, W., Ma, Y., Wu, L., Xu, W. and Li, J., 2020. Improvement in hourly PM_{2.5} estimations for the Beijing-Tianjin-Hebei region by introducing an aerosol modeling product from MASINGAR. *Environmental Pollution*, p.114691.

<https://doi.org/10.1016/j.envpol.2020.114691>

Zhang, W., Jiang, L., Cui, Y., Xu, Y., Wang, C., Yu, J., Streets, D.G. and Lin, B., 2019. Effects of urbanization on airport CO₂ emissions: A geographically weighted approach using nighttime light data in China. *Resources, Conservation and Recycling*, 150, p.104454.

<https://doi.org/10.1016/j.resconrec.2019.104454>

Zhang, K., de Leeuw, G., Yang, Z., Chen, X., Su, X. and Jiao, J., 2019. Estimating Spatio-Temporal Variations of PM_{2.5} Concentrations Using VIIRS-Derived AOD in the Guanzhong Basin, China. *Remote Sensing*, 11(22), p.2679.

<https://doi.org/10.3390/rs11222679>

Odhiambo, B.O., Kenduiywo, B.K. and Were, K., 2020. Spatial prediction and mapping of soil pH across a tropical afro-montane landscape. *Applied Geography*, 114, p.102129.

<https://doi.org/10.1016/j.apgeog.2019.102129>

Park, S.R. and Lee, S.W., 2020. Spatially Varying and Scale-Dependent Relationships of Land Use Types with Stream Water Quality. *International Journal of Environmental Research and Public Health*, 17(5), p.1673.

<https://doi.org/10.3390/ijerph17051673>

Wehbe, Y., Temimi, M. and Adler, R.F., 2020. Enhancing Precipitation Estimates Through the Fusion of Weather Radar, Satellite Retrievals, and Surface Parameters. *Remote Sensing*, 12(8), p.1342.

<https://doi.org/10.3390/rs12081342>

Deng, Q., Wei, Y., Chen, L., Liang, W., Du, J., Tan, Y. and Zhao, Y., 2019. Relationship between Air Pollution and Regional Longevity in Guangxi, China. *International Journal of Environmental Research and Public Health*, 16(19), p.3733.

<https://doi.org/10.3390/ijerph16193733>

Liu, C., Liu, J., Jiao, Y., Tang, Y. and Reid, K.B., 2019. Exploring spatial nonstationary environmental effects on Yellow Perch distribution in Lake Erie. *PeerJ*, 7, p.e7350.

<https://peerj.com/articles/7350/>

Yu, T., Bao, A., Xu, W., Guo, H., Jiang, L., Zheng, G., Yuan, Y. and Nzabarinda, V., 2020. Exploring Variability in Landscape Ecological Risk and Quantifying Its Driving Factors in the Amu Darya Delta. *International Journal of Environmental Research and Public Health*, 17(1), p.79.

<https://doi.org/10.3390/ijerph17010079>

Cao, R., Li, F. and Feng, P., 2020. Impact of Urbanization on Precipitation in North Haihe Basin, China. *Atmosphere*, 11(1), p.16.

<https://doi.org/10.3390/atmos11010016>

Sung, C.H. and Liaw, S.C., 2020. A GIS-based approach for assessing social vulnerability to flood and debris flow hazards. *International journal of disaster risk reduction*, 46, p.101531.

<https://doi.org/10.1016/j.ijdrr.2020.101531>

Alibakhshi, Z., Ahmadi, M. and Asl, M.F., 2020. Modeling biophysical variables and land surface temperature using the GWR model: case study—Tehran and its satellite cities. *Journal of the Indian Society of Remote Sensing*, 48(1), pp.59-70.

<https://link.springer.com/article/10.1007/s12524-019-01062-x>

Li, C., Zhang, H., Hao, Y. and Zhang, M., 2020. Characterizing the heterogeneous correlations between the landscape patterns and seasonal variations of total nitrogen and total phosphorus in a peri-urban watershed. *Environmental Science and Pollution Research*, 27(27), pp.34067-34077. <https://link.springer.com/article/10.1007/s11356-020-09441-5>

Ren, W., Zhang, Z., Wang, Y., Xue, B. and Chen, X., 2020. Measuring Regional Eco-Efficiency in China (2003–2016): A “Full World” Perspective and Network Data Envelopment Analysis. *International Journal of Environmental Research and Public Health*, 17(10), p.3456. <https://doi.org/10.3390/ijerph17103456>

Xu, W., Tian, Y., Liu, Y., Zhao, B., Liu, Y. and Zhang, X., 2019. Understanding the spatial-temporal patterns and influential factors on air quality index: The case of north China. *International Journal of Environmental Research and Public Health*, 16(16), p.2820. <https://doi.org/10.3390/ijerph16162820>

Yuan, Y., Cave, M., Xu, H. and Zhang, C., 2020. Exploration of spatially varying relationships between Pb and Al in urban soils of London at the regional scale using geographically weighted regression (GWR). *Journal of Hazardous Materials*, p.122377. <https://doi.org/10.1016/j.jhazmat.2020.122377>

Yang, C., Zhan, Q., Lv, Y. and Liu, H., 2019. Downscaling Land Surface Temperature Using Multiscale Geographically Weighted Regression Over Heterogeneous Landscapes in Wuhan, China. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 12(12), pp.5213-5222. <https://doi.org/10.1109/JSTARS.2019.2955551>

Zhang, L. and Pan, J., 2020. Estimation of PM 2.5 Mass Concentrations in Beijing–Tianjin–Hebei Region Based on Geographically Weighted Regression and Spatial Downscaling Method. *Journal of the Indian Society of Remote Sensing*, pp.1-13. <https://link.springer.com/article/10.1007/s12524-020-01193-6>

Li, L., 2019. Geographically weighted machine learning and downscaling for high-resolution spatiotemporal estimations of wind speed. *Remote Sensing*, 11(11), p.1378. <https://doi.org/10.3390/rs11111378>

Wang, Y., Wu, K., Qin, J., Wang, C. and Zhang, H.O., 2020. Examining Spatial Heterogeneity Effects of Landscape and Environment on the Residential Location Choice of the Highly Educated Population in Guangzhou, China. *Sustainability*, 12(9), p.3869. <https://doi.org/10.3390/su12093869>

Antczak, E., 2020. Regionally Divergent Patterns in Factors Affecting Municipal Waste Production: The Polish Perspective. *Sustainability*, 12(17), p.6885. <https://doi.org/10.3390/su12176885>

Zhao, J., Yang, L., Li, L., Wang, L., Hu, Q. and Wang, Y., 2020. Analysis of the Lake-Effect on Precipitation in the Taihu Lake Basin Based on the GWR Merged Precipitation. *Water*, 12(1), p.180.

<https://doi.org/10.3390/w12010180>

Hasan, E. and Tarhule, A., 2020. GRACE: Gravity Recovery and Climate Experiment long-term trend investigation over the Nile River Basin: Spatial variability drivers. *Journal of Hydrology*, p.124870.

<https://doi.org/10.1016/j.jhydrol.2020.124870>

Zou, B., Fang, X., Feng, H. and Zhou, X., 2019. Simplicity versus accuracy for estimation of the PM_{2.5} concentration: a comparison between LUR and GWR methods across time scales. *Journal of Spatial Science*, pp.1-19.

<https://doi.org/10.1080/14498596.2019.1624203>

Tan, H., Chen, Y., Wilson, J.P., Zhang, J., Cao, J. and Chu, T., 2020. An eigenvector spatial filtering based spatially varying coefficient model for PM_{2.5} concentration estimation: A case study in Yangtze River Delta region of China. *Atmospheric Environment*, 223, p.117205.

<https://doi.org/10.1016/j.atmosenv.2019.117205>

Wang, S., Luo, X. and Peng, Y., 2020. Spatial Downscaling of MODIS Land Surface Temperature Based on Geographically Weighted Autoregressive Model. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*.

<https://doi.org/10.1109/JSTARS.2020.2968809>

Hong, L., Huang, Y. and Peng, S., 2020. Monitoring the trends of water-erosion desertification on the Yunnan-Guizhou Plateau, China from 1989 to 2016 using time-series Landsat images. *Plos one*, 15(2), p.e0227498.

<https://doi.org/10.1371/journal.pone.0227498>

Yang, Q., Yuan, Q., Yue, L., Li, T., Shen, H. and Zhang, L., 2019. The relationships between PM_{2.5} and aerosol optical depth (AOD) in mainland China: About and behind the spatio-temporal variations. *Environmental Pollution*, 248, pp.526-535.

<https://doi.org/10.1016/j.envpol.2019.02.071>

Wang, Y., Luo, X., Chen, W., Zhao, M. and Wang, B., 2019. Exploring the spatial effect of urbanization on multi-sectoral CO₂ emissions in China. *Atmospheric Pollution Research*, 10(5), pp.1610-1620.

<https://doi.org/10.1016/j.apr.2019.06.001>

Wang, M. and Wang, H., 2020. Spatial Distribution Patterns and Influencing Factors of PM_{2.5} Pollution in the Yangtze River Delta: Empirical Analysis Based on a GWR Model. *Asia-Pacific Journal of Atmospheric Sciences*, pp.1-13.

<https://link.springer.com/article/10.1007%2Fs13143-019-00153-6>

- Liu, H., Zhan, Q., Gao, S. and Yang, C., 2019. Seasonal variation of the spatially non-stationary association between land surface temperature and urban landscape. *Remote Sensing*, 11(9), p.1016.
<https://doi.org/10.3390/rs11091016>
- Liu, P., Wu, C., Chen, M., Ye, X., Peng, Y. and Li, S., 2020. A Spatiotemporal Analysis of the Effects of Urbanization's Socio-Economic Factors on Landscape Patterns Considering Operational Scales. *Sustainability*, 12(6), p.2543.
<https://doi.org/10.3390/su12062543>
- Wu, X., Hu, F., Han, J. and Zhang, Y., 2020. Examining the spatiotemporal variations and inequality of China's provincial CO₂ emissions. *Environmental Science and Pollution Research*, pp.1-15.
<https://link.springer.com/article/10.1007/s11356-020-08181-w>
- Liu, Y., Zhao, N., Vanos, J.K. and Cao, G., 2019. Revisiting the estimations of PM_{2.5}-attributable mortality with advancements in PM_{2.5} mapping and mortality statistics. *Science of The Total Environment*, 666, pp.499-507.
<https://doi.org/10.1016/j.scitotenv.2019.02.269>
- Zuo, S., Dai, S. and Ren, Y., 2020. More fragmented urban form more CO₂ emissions? A comprehensive relationship from the combination analysis across different scales. *Journal of Cleaner Production*, 244, p.118659.
<https://doi.org/10.1016/j.jclepro.2019.118659>
- Yao, F., Wu, J., Li, W. and Peng, J., 2019. A spatially structured adaptive two-stage model for retrieving ground-level PM_{2.5} concentrations from VIIRS AOD in China. *ISPRS Journal of Photogrammetry and Remote Sensing*, 151, pp.263-276.
<https://doi.org/10.1016/j.isprsjprs.2019.03.011>
- Zhang, L., Zhang, R., Wang, Z. and Yang, F., 2020. Spatial Heterogeneity of the Impact Factors on Gray Water Footprint Intensity in China. *Sustainability*, 12(3), p.865.
<https://doi.org/10.3390/su12030865>
- Wang, N., Yao, Z., Liu, W., Lv, X. and Ma, M., 2019. Spatial Variabilities of Runoff Erosion and Different Underlying Surfaces in the Xihe River Basin. *Water*, 11(2), p.352.
<https://doi.org/10.3390/w11020352>
- Yao, F., Wu, J., Li, W. and Peng, J., 2019. Estimating daily PM_{2.5} concentrations in Beijing using 750-M VIIRS IP AOD retrievals and a nested spatiotemporal statistical model. *Remote Sensing*, 11(7), p.841.
<https://doi.org/10.3390/rs11070841>
- Tran, T.V., Tran, D.X., Myint, S.W., Latorre-Carmona, P., Ho, D.D., Tran, P.H. and Dao, H.N., 2019. Assessing spatiotemporal drought dynamics and its related environmental issues in the mekong river delta. *Remote Sensing*, 11(23), p.2742.

<https://doi.org/10.3390/rs11232742>

Yang, Q., Yuan, Q., Yue, L., Li, T., Shen, H. and Zhang, L., 2020. Mapping PM_{2.5} concentration at a sub-km level resolution: A dual-scale retrieval approach. *ISPRS Journal of Photogrammetry and Remote Sensing*, 165, pp.140-151.
<https://doi.org/10.1016/j.isprsjprs.2020.05.018>

Gao, J., Jiao, K. and Wu, S., 2019. Investigating the spatially heterogeneous relationships between climate factors and NDVI in China during 1982 to 2013. *Journal of Geographical Sciences*, 29(10), pp.1597-1609.
<https://link.springer.com/article/10.1007/s11442-019-1682-2>

Chakraborty, R., Pal, S.C., Sahana, M., Mondal, A., Dou, J., Pham, B.T. and Yunus, A.P., 2020. Soil erosion potential hotspot zone identification using machine learning and statistical approaches in eastern India. *Natural Hazards*, 104(2), pp.1259-1294.
<https://link.springer.com/article/10.1007/s11069-020-04213-3>

Albaladejo-García, J.A., Alcon, F. and Martínez-Paz, J.M., 2020. The Irrigation Cooling Effect as a Climate Regulation Service of Agroecosystems. *Water*, 12(6), p.1553.
<https://doi.org/10.3390/w12061553>

Mainali, J., Chang, H. and Chun, Y., 2019. A review of spatial statistical approaches to modeling water quality. *Progress in Physical Geography: Earth and Environment*, 43(6), pp.801-826.
<https://doi.org/10.1177/0309133319852003>

Chu, H.J., Van Nguyen, M. and Jaelani, L.M., 2020. Satellite-Based Water Quality Mapping from Sequential Simulation with Parameter Outlier Removal. *Water Resources Management*, 34(1), pp.311-325.
<https://link.springer.com/article/10.1007/s11269-019-02443-0>

Li, Z. and Gao, P., 2020. Characterizing spatially variable water table depths in a disturbed Zoige peatland watershed. *Journal of Hydro-environment Research*, 29, pp.70-79.
<https://doi.org/10.1016/j.jher.2020.01.004>

He, L., Wang, L., Huang, B., Wei, J., Zhou, Z. and Zhong, Y., 2020. Anthropogenic and meteorological drivers of 1980–2016 trend in aerosol optical and radiative properties over the Yangtze River Basin. *Atmospheric Environment*, 223, p.117188.
<https://doi.org/10.1016/j.atmosenv.2019.117188>

Cui, L., Liang, J., Fu, H. and Zhang, L., 2020. The contributions of socioeconomic and natural factors to the acid deposition over China. *Chemosphere*, p.126491.
<https://doi.org/10.1016/j.chemosphere.2020.126491>

Rybova, K., 2019. Do Sociodemographic Characteristics in Waste Management Matter? Case Study of Recyclable Generation in the Czech Republic. *Sustainability*, 11(7), p.2030.
<https://doi.org/10.3390/su11072030>

Tran, T., Tran, D., Pham, H., Truong, T., Trinh, H., Nguyen, D., Nguyen, B. and Nguyen, H., 2020. Exploring Spatial Relationship Between Electrical Conductivity and Spectral Salinity Indices in the Mekong Delta. *Journal of Environmental Science and Management*, 23(1).
<https://ovcre.uplb.edu.ph/journals-uplb/index.php/JESAM/article/view/334>

Mohebbi, A., Yu, F., Cai, S., Akbariyeh, S. and Smaglik, E.J., 2020. Spatial study of particulate matter distribution, based on climatic indicators during major dust storms in the State of Arizona. *Frontiers of Earth Science*, pp.1-18.
<https://link.springer.com/article/10.1007%2Fs11707-020-0814-4>

Ding, J., Chen, Y., Wang, X. and Cao, M., 2020. Land degradation sensitivity assessment and convergence analysis in Korla of Xinjiang, China. *Journal of Arid Land*, pp.1-15.
<https://link.springer.com/article/10.1007/s40333-020-0057-y>

Du, Y., Qin, W., Sun, J., Wang, X. and Gu, H., 2020. Spatial Pattern and Influencing Factors of Regional Ecological Civilisation Construction in China. *Chinese Geographical Science*, 30(5), pp.776-790.
<https://link.springer.com/article/10.1007/s11769-020-1145-9>

Yu, Y., Wang, J., Cheng, F., Deng, H. and Chen, S., 2020. Drought monitoring in Yunnan Province based on a TRMM precipitation product. *Natural Hazards*, pp.1-19.
<https://link.springer.com/article/10.1007/s11069-020-04276-2>

Alexakis, D.D., Tapoglou, E., Vozinaki, A.E.K. and Tsanis, I.K., 2019. Integrated Use of Satellite Remote Sensing, Artificial Neural Networks, Field Spectroscopy, and GIS in Estimating Crucial Soil Parameters in Terms of Soil Erosion. *Remote Sensing*, 11(9), p.1106.
<https://doi.org/10.3390/rs11091106>

Dong, F., Zhang, S., Li, Y., Li, J., Xie, S. and Zhang, J., 2020. Examining environmental regulation efficiency of haze control and driving mechanism: evidence from China. *Environmental Science and Pollution Research International*.
<https://link.springer.com/article/10.1007%2Fs11356-020-09100-9>

Mirzaei, M., Amanollahi, J. and Tzanis, C.G., 2019. Evaluation of linear, nonlinear, and hybrid models for predicting PM 2.5 based on a GTWR model and MODIS AOD data. *Air Quality, Atmosphere & Health*, 12(10), pp.1215-1224.
<https://link.springer.com/article/10.1007/s11869-019-00739-z>

Zheng, L., Xu, J., Tan, Z., Xu, L. and Wang, X., 2019. Spatial distribution of soil organic matter related to microtopography and NDVI changes in Poyang Lake, China. *Wetlands*, 39(4), pp.789-801.
<https://link.springer.com/article/10.1007/s13157-019-01131-4>

- Liu, Z., Du, Y., Yi, J., Liang, F., Ma, T. and Pei, T., 2019. Quantitative Association between Nighttime Lights and Geo-Tagged Human Activity Dynamics during Typhoon Mangkhut. *Remote Sensing*, 11(18), p.2091.
<https://doi.org/10.3390/rs11182091>
- Yousefzadeh, M., Farnaghi, M., Pilesjö, P. and Mansourian, A., 2019. Proposing and investigating PCAMARS as a novel model for NO₂ interpolation. *Environmental monitoring and assessment*, 191(3), p.183.
<https://link.springer.com/article/10.1007/s10661-019-7253-2>
- Zheng, Z., Yang, Z., Wu, Z. and Marinello, F., 2019. Spatial Variation of NO₂ and Its Impact Factors in China: An Application of Sentinel-5P Products. *Remote Sensing*, 11(16), p.1939.
<https://doi.org/10.3390/rs11161939>
- Hou, F.L., Lv, G.H. and Teng, D.X., 2020. Spatial variability characteristics and environmental effects of heavy metals in surface riparian soils and surface sediments of Qinggeda Lake. *Human and Ecological Risk Assessment: An International Journal*, 26(8), pp.2027-2043.
<https://doi.org/10.1080/10807039.2019.1641790>
- Chu, H.J., Jaelani, L.M., Van Nguyen, M., Lin, C.H. and Blanco, A.C., 2020. Spectral and spatial kernel water quality mapping. *Environmental Monitoring and Assessment*, 192, pp.1-12.
<https://link.springer.com/article/10.1007%2Fs10661-020-08271-9>
- Hua, Z., Sun, W., Yang, G. and Du, Q., 2019. A full-coverage daily average PM_{2.5} retrieval method with two-stage IVW fused MODIS C6 AOD and two-stage GAM model. *Remote Sensing*, 11(13), p.1558.
<https://doi.org/10.3390/rs11131558>
- Xue, R., Ai, B., Lin, Y., Pang, B. and Shang, H., 2019. Spatial and temporal distribution of aerosol optical depth and its relationship with urbanization in Shandong Province. *Atmosphere*, 10(3), p.110.
<https://doi.org/10.3390/atmos10030110>
- Dietrich, H., Wolf, T., Kawohl, T., Wehberg, J., Kändler, G., Mette, T., Röder, A. and Böhner, J., 2019. Temporal and spatial high-resolution climate data from 1961 to 2100 for the German National Forest Inventory (NFI). *Annals of Forest Science*, 76(1), p.6.
<https://link.springer.com/article/10.1007%2Fs13595-018-0788-5>
- Tripathi, P., Behera, M.D. and Roy, P.S., 2019. Spatial heterogeneity of climate explains plant richness distribution at the regional scale in India. *PloS one*, 14(6), p.e0218322.
<https://doi.org/10.1371/journal.pone.0218322>
- Shin, M., Kang, Y., Park, S., Im, J., Yoo, C. and Quackenbush, L.J., 2020. Estimating ground-level particulate matter concentrations using satellite-based data: a review. *GIScience & Remote Sensing*, 57(2), pp.174-189.
<https://doi.org/10.1080/15481603.2019.1703288>

Hou, W. and Gao, J., 2019. Simulating runoff generation and its spatial correlation with environmental factors in Sancha River Basin: The southern source of the Wujiang River. *Journal of Geographical Sciences*, 29(3), pp.432-448.

<https://link.springer.com/article/10.1007/s11442-019-1608-z>

Li, J., Zhang, D. and Liu, M., 2020. Factors controlling the spatial distribution of soil organic carbon in Daxing'anling Mountain. *Scientific Reports*, 10(1), pp.1-8.

<https://www.nature.com/articles/s41598-020-69590-y>

Roshan, G., Grab, S.W. and Najafi, M.S., 2020. The role of physical geographic parameters affecting past (1980–2010) and future (2020–2049) thermal stress in Iran. *Natural Hazards: Journal of the International Society for the Prevention and Mitigation of Natural Hazards*, 102(1), pp.365-399.

<https://link.springer.com/article/10.1007/s11069-020-03930-z>

Wang, X., Zhang, L., Qin, Y. and Zhang, J., 2020. Analysis of China's Manufacturing Industry Carbon Lock-In and Its Influencing Factors. *Sustainability*, 12(4), p.1502.

<https://doi.org/10.3390/su12041502>

Gao, F., He, B., Xue, S. and Li, Y., 2020. Impact of landscape pattern change on runoff processes in catchment area of the Ulungur River Basin. *Water Supply*, 20(3), pp.1046-1058.

<https://doi.org/10.2166/ws.2020.027>

Xu, J., Zhang, F., Jiang, H., Hu, H., Zhong, K., Jing, W., Yang, J. and Jia, B., 2020. Downscaling ASTER land surface temperature over urban areas with machine learning-based area-to-point regression Kriging. *Remote Sensing*, 12(7), p.1082.

<https://doi.org/10.3390/rs12071082>

Lemus-Canovas, M., Ninyerola, M., Lopez-Bustins, J.A., Manguan, S. and Garcia-Sellés, C., 2019. A mixed application of an objective synoptic classification and spatial regression models for deriving winter precipitation regimes in the Eastern Pyrenees. *International Journal of Climatology*, 39(4), pp.2244-2259.

<https://doi.org/10.1002/joc.5948>

Zhang, Z. and Du, Q., 2019. A Bayesian Kriging Regression Method to Estimate Air Temperature Using Remote Sensing Data. *Remote Sensing*, 11(7), p.767.

<https://doi.org/10.3390/rs11070767>

Ma, Z., He, K., Tan, X., Liu, Y., Lu, H. and Shi, Z., 2019. A new approach for obtaining precipitation estimates with a finer spatial resolution on a daily scale based on TMPA V7 data over the Tibetan Plateau. *International Journal of Remote Sensing*, 40(22), pp.8465-8483.

<https://doi.org/10.1080/01431161.2019.1612118>

Leung, Y., Zhou, Y., Lam, K.Y., Fung, T., Cheung, K.Y., Kim, T. and Jung, H., 2019. Integration of air pollution data collected by mobile sensors and ground-based stations to derive

a spatiotemporal air pollution profile of a city. *International Journal of Geographical Information Science*, 33(11), pp.2218-2240.

<https://doi.org/10.1080/13658816.2019.1633468>

Liang, Z., Wei, F., Wang, Y., Huang, J., Jiang, H., Sun, F. and Li, S., 2020. The Context-Dependent Effect of Urban Form on Air Pollution: A Panel Data Analysis. *Remote Sensing*, 12(11), p.1793.

<https://doi.org/10.3390/rs12111793>

Yang, Y., Li, J., Zhu, G. and Yuan, Q., 2019. Spatio-temporal relationship and evolvement of socioeconomic factors and PM_{2.5} in China during 1998–2016. *International Journal of Environmental Research and Public Health*, 16(7), p.1149.

<https://doi.org/10.3390/ijerph16071149>

Zhang, W., Huai, B., Sun, W., Wang, Y. and Ding, M., 2019. The spatial downscaling of TRMM precipitation data for the middle part of the Chinese Tianshan Mountains. *Arabian Journal of Geosciences*, 12(18), p.573.

<https://link.springer.com/article/10.1007/s12517-019-4739-8>

Misra, P., Imasu, R. and Takeuchi, W., 2019. Impact of Urban Growth on Air Quality in Indian Cities Using Hierarchical Bayesian Approach. *Atmosphere*, 10(9), p.517.

<https://doi.org/10.3390/atmos10090517>

Han, W. and Tong, L., 2019. Satellite-Based Estimation of Daily Ground-Level PM_{2.5} Concentrations over Urban Agglomeration of Chengdu Plain. *Atmosphere*, 10(5), p.245.

<https://doi.org/10.3390/atmos10050245>

Wang, D., Sun, Z., Chen, J., Wang, X., Zhang, X. and Zhang, W., 2019. Analyzing the interpretative ability of landscape pattern to explain thermal environmental effects in the Beijing-Tianjin-Hebei urban agglomeration. *PeerJ*, 7, p.e7874.

<https://peerj.com/articles/7874/>

Lin, Y., Hoover, J., Beene, D., Erdei, E. and Liu, Z., 2020. Environmental risk mapping of potential abandoned uranium mine contamination on the Navajo Nation, USA, using a GIS-based multi-criteria decision analysis approach. *Environmental Science and Pollution Research International*.

<https://link.springer.com/article/10.1007%2Fs11356-020-09257-3>

Liu, J., Li, Q., Gu, W. and Wang, C., 2019. The Impact of consumption patterns on the generation of municipal solid waste in China: evidences from provincial data. *International journal of environmental research and public health*, 16(10), p.1717.

<https://doi.org/10.3390/ijerph16101717>

He, L., Lin, A., Chen, X., Zhou, H., Zhou, Z. and He, P., 2019. Assessment of MERRA-2 surface PM_{2.5} over the Yangtze river Basin: Ground-based verification, spatiotemporal distribution and meteorological dependence. *Remote Sensing*, 11(4), p.460.

<https://doi.org/10.3390/rs11040460>

Chen, F., Gao, Y., Wang, Y., Qin, F. and Li, X., 2019. Downscaling satellite-derived daily precipitation products with an integrated framework. *International Journal of Climatology*, 39(3), pp.1287-1304.

<https://doi.org/10.1002/joc.5879>

Liu, S., Fan, F. and Zhang, J., 2019. Are small cities more environmentally friendly? An empirical study from China. *International journal of environmental research and public health*, 16(5), p.727.

<https://doi.org/10.3390/ijerph16050727>

Xie, W., Deng, H. and Chong, Z., 2019. The spatial and heterogeneity impacts of population urbanization on fine particulate (PM_{2.5}) in the Yangtze River Economic Belt, China. *International journal of environmental research and public health*, 16(6), p.1058.

<https://doi.org/10.3390/ijerph16061058>

Hatzis, J.J., Koch, J. and Brooks, H.E., 2020. A tornado daily impacts simulator for the central and southern United States. *Meteorological Applications*, 27(1), p.e1882.

<https://doi.org/10.1002/met.1882>

Lesiv, M., Shvidenko, A., Schepaschenko, D., See, L. and Fritz, S., 2019. A spatial assessment of the forest carbon budget for Ukraine. *Mitigation and Adaptation Strategies for Global Change*, 24(6), pp.985-1006.

<https://link.springer.com/article/10.1007/s11027-018-9795-y>

Wei, J., Li, Z., Cribb, M., Huang, W., Xue, W., Sun, L., Guo, J., Peng, Y., Li, J., Lyapustin, A. and Liu, L., 2020. Improved 1 km resolution PM_{2.5} estimates across China using enhanced space–time extremely randomized trees. *Atmospheric Chemistry & Physics*, 20(6).

<https://doi.org/10.5194/acp-20-3273-2020>

Sun, D., Li, Y., Zhan, X., Houser, P., Yang, C., Chiu, L. and Yang, R., 2019. Land Surface Temperature Derivation under All Sky Conditions through Integrating AMSR-E/AMSR-2 and MODIS/GOES Observations. *Remote Sensing*, 11(14), p.1704.

<https://doi.org/10.3390/rs11141704>

Liu, S., Ge, J., Li, W. and Bai, M., 2020. Historic environmental vulnerability evaluation of traditional villages under geological hazards and influencing factors of adaptive capacity: A district-level analysis of Lishui, China. *Sustainability*, 12(6), p.2223.

<https://doi.org/10.3390/su12062223>

Li, M., Gao, S., Lu, F., Tong, H. and Zhang, H., 2019. Dynamic estimation of individual exposure levels to air pollution using trajectories reconstructed from mobile phone data. *International journal of environmental research and public health*, 16(22), p.4522.

<https://doi.org/10.3390/ijerph16224522>

Song, X.D., Wu, H.Y., Liu, F., Tian, J., Cao, Q., Yang, S.H., Peng, X.H. and Zhang, G.L., 2019. Three-Dimensional Mapping of Organic Carbon using Piecewise Depth Functions in the Red Soil Critical Zone Observatory. *Soil Science Society of America Journal*, 83(3), pp.687-696. <https://doi.org/10.2136/sssaj2018.11.0447>

Wahiduzzaman, M. and Yeasmin, A., 2019. A kernel density estimation approach of North Indian Ocean tropical cyclone formation and the association with convective available potential energy and equivalent potential temperature. *Meteorology and Atmospheric Physics*, pp.1-10. <https://link.springer.com/article/10.1007%2Fs00703-019-00711-7>

Zeng, L., Shi, Q., Guo, K., Xie, S. and Herrin, J.S., 2020. A three-variables cokriging method to estimate bare-surface soil moisture using multi-temporal, VV-polarization synthetic-aperture radar data. *Hydrogeology Journal*, 28(6), pp.2129-2139. <https://link.springer.com/article/10.1007/s10040-020-02177-z>

Wang, W., Samat, A., Abuduwaili, J. and Ge, Y., 2020. Spatio-Temporal Variations of Satellite-Based PM_{2.5} Concentrations and Its Determinants in Xinjiang, Northwest of China. *International Journal of Environmental Research and Public Health*, 17(6), p.2157. <https://doi.org/10.3390/ijerph17062157>

Wang, W., Zhang, L., Zhao, J., Qi, M. and Chen, F., 2020. The Effect of Socioeconomic Factors on Spatiotemporal Patterns of PM_{2.5} Concentration in Beijing–Tianjin–Hebei Region and Surrounding Areas. *International Journal of Environmental Research and Public Health*, 17(9), p.3014. <https://doi.org/10.3390/ijerph17093014>

Liu, Z., Du, Y., Yi, J., Liang, F., Ma, T. and Pei, T., 2020. Quantitative estimates of collective geo-tagged human activities in response to typhoon Hato using location-aware big data. *International Journal of Digital Earth*, 13(9), pp.1072-1092. <https://doi.org/10.1080/17538947.2019.1645894>

Deitz, S. and Meehan, K., 2019. Plumbing poverty: mapping hot spots of racial and geographic inequality in US household water insecurity. *Annals of the American Association of Geographers*, 109(4), pp.1092-1109. <https://doi.org/10.1080/24694452.2018.1530587>

Shi, T., Liu, M., Hu, Y., Li, C., Zhang, C. and Ren, B., 2019. Spatiotemporal Pattern of Fine Particulate Matter and Impact of Urban Socioeconomic Factors in China. *International Journal of Environmental Research and Public Health*, 16(7), p.1099. <https://doi.org/10.3390/ijerph16071099>

Shen, H., Zhou, M., Li, T. and Zeng, C., 2019. Integration of Remote Sensing and Social Sensing Data in a Deep Learning Framework for Hourly Urban PM_{2.5} Mapping. *International journal of environmental research and public health*, 16(21), p.4102. <https://doi.org/10.3390/ijerph16214102>

- Bartkowiak, P., Castelli, M. and Notarnicola, C., 2019. Downscaling land surface temperature from MODIS dataset with random forest approach over alpine vegetated areas. *Remote Sensing*, 11(11), p.1319.
<https://doi.org/10.3390/rs11111319>
- Pu, Q. and Yoo, E.H., 2020. Spatio-temporal modeling of PM2. 5 concentrations with missing data problem: a case study in Beijing, China. *International Journal of Geographical Information Science*, 34(3), pp.423-447.
<https://doi.org/10.1080/13658816.2019.1664742>
- Lu, X., Zhang, Y., Lin, Y., Zhang, S. and Zhao, Q., 2019. Island soil quality assessment and the relationship between soil quality and land-use type/topography. *Environmental monitoring and assessment*, 191(4), p.230.
<https://link.springer.com/article/10.1007/s10661-019-7366-7>
- Yuan, L., Chen, X., Wang, X., Xiong, Z. and Song, C., 2019. Spatial associations between NDVI and environmental factors in the Heihe River Basin. *Journal of Geographical Sciences*, 29(9), pp.1548-1564.
<https://link.springer.com/article/10.1007/s11442-019-1676-0>
- Carrasco-Escobar, G., Schwarz, L., Miranda, J.J. and Benmarhnia, T., 2020. Revealing the air pollution burden associated with internal Migration in peru. *Scientific Reports*, 10(1), pp.1-12.
<https://www.nature.com/articles/s41598-020-64043-y>
- Kan, X., Zhu, L., Zhang, Y. and Yuan, Y., 2019. Spatial-temporal variability of PM2. 5 concentration in Xuzhou based on satellite remote sensing and meteorological data. *International Journal of Sensor Networks*, 29(3), pp.181-191.
<https://doi.org/10.1504/IJSNET.2019.098285>
- Tong, X., Li, X., Tong, L. and Chen, K., 2019. Research of Spatial and Temporal Evolution Mechanism and Countermeasures of Haze Spatial Pattern in China: Visual Field Based on Dynamic Evolution and Spatial Agglomeration. *Advances in Meteorology*, 2019.
<https://www.hindawi.com/journals/amete/2019/7232481/>
- Zhang, H., Shang, Z., Song, Y., He, Z. and Li, L., 2020. A novel combined model based on echo state network—a case study of PM10 and PM2. 5 prediction in China. *Environmental technology*, 41(15), pp.1937-1949.
<https://doi.org/10.1080/09593330.2018.1551941>
- Song, Y., Song, X. and Shao, G., 2020. Response of Water Quality to Landscape Patterns in an Urbanized Watershed in Hangzhou, China. *Sustainability*, 12(14), p.5500.
<https://doi.org/10.3390/su12145500>
- Ahmed, M., Ahmad, S., Tariq, M., Fatima, Z., Aslam, Z., Raza, M.A., Iqbal, N., Akmal, M., Hassan, F.U., Abbasi, N.A. and Hayat, R., 2020. Wastes to be the source of nutrients and energy

to mitigate climate change and ensure future sustainability: options and strategies. *Journal of Plant Nutrition*, 43(6), pp.896-920.

<https://doi.org/10.1080/01904167.2020.1711944>

Ma, Z.Q., Ghent, D., Tan, X., He, K., Li, H.Y., Han, X.Z., Huang, Q.T. and Peng, J., 2019. Long-Term Precipitation Estimates Generated by a Downscaling-Calibration Procedure Over the Tibetan Plateau From 1983 to 2015. *Earth and Space Science*, 6(11), pp.2180-2199.

<https://doi.org/10.1029/2019EA000657>

Bertrand, R., 2019. Unequal contributions of species' persistence and migration on plant communities' response to climate warming throughout forests. *Ecography*, 42(1), pp.211-213.

<https://doi.org/10.1111/ecog.03591>

Yang, X., Yang, Y., Li, K. and Wu, R., 2019. Estimation and characterization of annual precipitation based on spatiotemporal kriging in the Huanghuaihai basin of China during 1956–2016. *Stochastic Environmental Research and Risk Assessment*, pp.1-14.

<https://link.springer.com/article/10.1007%2Fs00477-019-01757-0>

Zhang, C.T. and Yang, Y., 2019. Improving the spatial prediction of soil Zn by converting outliers into soft data for BME method. *Stochastic Environmental Research and Risk Assessment*, 33(3), pp.855-864.

<https://link.springer.com/article/10.1007/s00477-018-1641-y>

Zhao, J., Wang, X., Song, H., Du, Y., Cui, W. and Zhou, Y., 2019. Spatiotemporal Trend Analysis of PM_{2.5} Concentration in China, 1999–2016. *Atmosphere*, 10(8), p.461.

<https://doi.org/10.3390/atmos10080461>

Uzuner, G. and Adewale, A.A., 2019. Does asymmetric nexus exist between agricultural land and the housing market? Evidence from non-linear ARDL approach. *Environmental Science and Pollution Research*, 26(8), pp.7677-7687.

<https://link.springer.com/article/10.1007/s11356-019-04211-4>

Gomes, F.D.G., Osco, L.P., Antunes, P.A. and Ramos, A.P.M., 2020. Climatic seasonality and water quality in watersheds: a study case in Limoeiro River watershed in the western region of São Paulo State, Brazil. *Environmental Science and Pollution Research International*.

<https://link.springer.com/article/10.1007%2Fs11356-020-09180-7>

Jin, N., Li, J., Jin, M. and Zhang, X., 2020. Spatiotemporal variation and determinants of population's PM_{2.5} exposure risk in China, 1998–2017: a case study of the Beijing-Tianjin-Hebei region. *Environmental Science and Pollution Research International*.

<https://link.springer.com/article/10.1007%2Fs11356-020-09484-8>

Hou, J. and Du, Y., 2020. Spatial simulation of rainstorm waterlogging based on a water accumulation diffusion algorithm. *Geomatics, Natural Hazards and Risk*, 11(1), pp.71-87.

<https://doi.org/10.1080/19475705.2019.1707719>

Han, S. and Sun, B., 2019. Impact of Population Density on PM_{2.5} Concentrations: A Case Study in Shanghai, China. *Sustainability*, 11(7), p.1968.

<https://doi.org/10.3390/su11071968>

Zhang, Y., Wang, W., Ma, Y., Wu, L., Xu, W. and Li, J., 2020. Improvement in hourly PM_{2.5} estimations for the Beijing-Tianjin-Hebei region by introducing an aerosol modeling product from MASINGAR. *Environmental Pollution*, p.114691.

<https://doi.org/10.1016/j.envpol.2020.114691>

Jin, N., Li, J., Jin, M. and Zhang, X., 2020. Spatiotemporal variation and determinants of population's PM_{2.5} exposure risk in China, 1998–2017: a case study of the Beijing-Tianjin-Hebei region. *Environmental Science and Pollution Research International*.

<https://link.springer.com/article/10.1007%2Fs11356-020-09484-8>

Yang, X., Yang, Y., Li, K. and Wu, R., 2019. Estimation and characterization of annual precipitation based on spatiotemporal kriging in the Huanghuaihai basin of China during 1956–2016. *Stochastic Environmental Research and Risk Assessment*, pp.1-14.

<https://link.springer.com/article/10.1007%2Fs00477-019-01757-0>

Hsu, C.Y., Zeng, Y.T., Chen, Y.C., Chen, M.J., Lung, S.C.C. and Wu, C.D., 2020. Kriging-based land-use regression models that use machine learning algorithms to estimate the monthly BTEX concentration. *International journal of environmental research and public health*, 17(19), p.6956.

<https://doi.org/10.3390/ijerph17196956>

Fan, Z., Zhan, Q., Yang, C., Liu, H. and Bilal, M., 2020. Estimating PM_{2.5} Concentrations Using Spatially Local Xgboost Based on Full-Covered SARA AOD at the Urban Scale. *Remote Sensing*, 12(20), p.3368.

<https://doi.org/10.3390/rs12203368>

Parizi, E., Hosseini, S.M., Ataie-Ashtiani, B. and Simmons, C.T., 2020. Normalized difference vegetation index as the dominant predicting factor of groundwater recharge in phreatic aquifers: case studies across Iran. *Scientific Reports*, 10(1), pp.1-19.

<https://www.nature.com/articles/s41598-020-74561-4>

Mohammadi, M., Darabi, H., Mirchooli, F., Bakhshae, A. and Haghighi, A.T., 2020. Flood risk mapping and crop-water loss modeling using water footprint analysis in agricultural watershed, northern Iran. *Natural Hazards*, pp.1-19.

<https://link.springer.com/article/10.1007/s11069-020-04387-w>

Sha, Z. and Li, R., 2020. Assessment of Human-Related Driving Forces for Reduced Carbon Uptake Using Neighborhood Analysis and Geographically Weighted Regression: A Case Study in the Grassland of Inner Mongolia, China. *Applied Sciences*, 10(21), p.7787.

<https://doi.org/10.3390/app10217787>

Trigueiro, W.R., Nabout, J.C. and Tessarolo, G., 2020. Uncovering the spatial variability of recent deforestation drivers in the Brazilian Cerrado. *Journal of Environmental Management*, 275, p.111243.

<https://doi.org/10.1016/j.jenvman.2020.111243>

Guo, B., Wang, X., Pei, L., Su, Y., Zhang, D. and Wang, Y., 2020. Identifying the spatiotemporal dynamic of PM_{2.5} concentrations at multiple scales using geographically and temporally weighted regression model across China during 2015–2018. *Science of The Total Environment*, 751, p.141765.

<https://doi.org/10.1016/j.scitotenv.2020.141765>

Zhao, R., Yao, M., Yang, L., Qi, H., Meng, X. and Zhou, F., 2020. Using geographically weighted regression to predict the spatial distribution of frozen ground temperature: a case in the Qinghai-Tibet Plateau. *Environmental Research Letters*.

<https://iopscience.iop.org/article/10.1088/1748-9326/abd431/meta>

Rimba, A.B., Mohan, G., Chapagain, S.K., Arumansawang, A., Payus, C., Fukushi, K., Osawa, T. and Avtar, R., 2021. Impact of population growth and land use and land cover (LULC) changes on water quality in tourism-dependent economies using a geographically weighted regression approach. *Environmental Science and Pollution Research*, pp.1-19.

<https://link.springer.com/article/10.1007/s11356-020-12285-8>

Yan, D., Kong, Y., Jiang, P., Huang, R. and Ye, B., 2021. How do socioeconomic factors influence urban PM_{2.5} pollution in China? Empirical analysis from the perspective of spatiotemporal disequilibrium. *Science of The Total Environment*, 761, p.143266.

<https://doi.org/10.1016/j.scitotenv.2020.143266>

Guo, B., Wang, X., Pei, L., Su, Y., Zhang, D. and Wang, Y., 2021. Identifying the spatiotemporal dynamic of PM_{2.5} concentrations at multiple scales using geographically and temporally weighted regression model across China during 2015–2018. *Science of The Total Environment*, 751, p.141765.

<https://doi.org/10.1016/j.scitotenv.2020.141765>

Agovino, M., Marchesano, K. and Musella, G., 2021. Inequality and regressivity in Italian waste taxation. Is there an alternative route?. *Waste Management*, 122, pp.1-14.

<https://doi.org/10.1016/j.wasman.2020.12.035>

Gebremedhin, M.A., Lubczynski, M.W., Maathuis, B.H. and Teka, D., 2021. Novel approach to integrate daily satellite rainfall with in-situ rainfall, Upper Tekeze Basin, Ethiopia. *Atmospheric Research*, 248, p.105135.

<https://doi.org/10.1016/j.atmosres.2020.105135>

Qu, M., Chen, J., Huang, B. and Zhao, Y., 2021. Resampling with in situ field portable X-ray fluorescence spectrometry (FPXRF) to reduce the uncertainty in delineating the remediation area of soil heavy metals. *Environmental Pollution*, 271, p.116310.

<https://doi.org/10.1016/j.envpol.2020.116310>

Gu, K., Zhou, Y., Sun, H., Dong, F. and Zhao, L., 2021. Spatial distribution and determinants of PM 2.5 in China's cities: fresh evidence from IDW and GWR. *Environmental Monitoring and Assessment*, 193(1), pp.1-22.

<https://link.springer.com/article/10.1007/s10661-020-08749-6>

Taghadosi, M.M. and Hasanlou, M., 2021. Developing geographic weighted regression (GWR) technique for monitoring soil salinity using sentinel-2 multispectral imagery. *Environmental Earth Sciences*, 80(3), pp.1-14.

<https://link.springer.com/article/10.1007/s12665-020-09345-0>

Qu, M., Chen, J., Huang, B. and Zhao, Y., 2021. Source apportionment of soil heavy metals using robust spatial receptor model with categorical land-use types and RGWR-corrected in-situ FPXRF data. *Environmental Pollution*, 270, p.116220.

<https://doi.org/10.1016/j.envpol.2020.116220>

Wang, R., Kim, J.H. and Li, M.H., 2021. Predicting stream water quality under different urban development pattern scenarios with an interpretable machine learning approach. *Science of The Total Environment*, 761, p.144057.

<https://doi.org/10.1016/j.scitotenv.2020.144057>

Zhu, Z., Li, B., Zhao, Y., Zhao, Z. and Chen, L., 2020. Socio-Economic Impact Mechanism of Ecosystem Services Value, a PCA-GWR Approach. *Polish Journal of Environmental Studies*, 30(1), pp.977-986.

DOI: <https://doi.org/10.15244/pjoes/120774>

Yu, C., Zheng, J., Hu, D., Di, Y., Zhang, X. and Liu, M., 2021. Evaluation and Correction of IMERG Late Run Precipitation Product in Rainstorm over the Southern Basin of China. *Water*, 13(2), p.231.

<https://doi.org/10.3390/w13020231>

Liu, Y., Liu, S., Sun, Y., Li, M., An, Y. and Shi, F., 2021. Spatial differentiation of the NPP and NDVI and its influencing factors vary with grassland type on the Qinghai-Tibet Plateau. *Environmental Monitoring and Assessment*, 193(1), pp.1-21.

<https://link.springer.com/article/10.1007/s10661-020-08824-y>

Yan, D., Kong, Y., Jiang, P., Huang, R. and Ye, B., 2021. How do socioeconomic factors influence urban PM2.5 pollution in China? Empirical analysis from the perspective of spatiotemporal disequilibrium. *Science of The Total Environment*, 761, p.143266.

<https://doi.org/10.1016/j.scitotenv.2020.143266>

Gao, H.R., Zhang, Z.J., Zhang, W.C., Chen, H. and Xi, M.J., 2021. Spatial Downscaling Based on Spectrum Analysis for Soil Freeze/Thaw Status Retrieved From Passive Microwave. *IEEE Transactions on Geoscience and Remote Sensing*.

https://ieeexplore.ieee.org/abstract/document/9336052?casa_token=3gUeNKRh7usAAAAA:aJAjt3fZSJGpFC7dg9rVjAa3UBGWq3OmBBE9cc0WcRi2miH2PTMaezE0hkh-DNG2CTQ9Rw

Feng, L., Liu, Y., Feng, Z. and Yang, S., 2021. Analysing the spatiotemporal characteristics of climate comfort in China based on 2005–2018 MODIS data. *Theoretical and Applied Climatology*, pp.1-15.

<https://link.springer.com/article/10.1007/s00704-020-03516-6>

Wang, Y., Xu, M., Li, J., Jiang, N., Wang, D., Yao, L. and Xu, Y., 2021. The Gradient Effect on the Relationship between the Underlying Factor and Land Surface Temperature in Large Urbanized Region. *Land*, 10(1), p.20.

<https://doi.org/10.3390/land10010020>

Maheshwarkar, P. and Raman, R.S., 2021. Population exposure across central India to PM 2.5 derived using remotely sensed products in a three-stage statistical model. *Scientific reports*, 11(1), pp.1-13.

<https://www.nature.com/articles/s41598-020-79229-7>

Liu, K., Qiao, Y., Shi, T. and Zhou, Q., 2020. Study on coupling coordination and spatiotemporal heterogeneity between economic development and ecological environment of cities along the Yellow River Basin. *Environmental Science and Pollution Research*, pp.1-15.

<https://link.springer.com/article/10.1007/s11356-020-11051-0>

Chen, N., Yang, M., Du, W. and Huang, M., 2021. PM_{2.5} Estimation and Spatial-Temporal Pattern Analysis Based on the Modified Support Vector Regression Model and the 1 km Resolution MAIAC AOD in Hubei, China. *ISPRS International Journal of Geo-Information*, 10(1), p.31.

<https://doi.org/10.3390/ijgi10010031>

Zhao, S. and Xu, Y., 2021. Exploring the Dynamic Spatio-Temporal Correlations between PM_{2.5} Emissions from Different Sources and Urban Expansion in Beijing-Tianjin-Hebei Region. *International Journal of Environmental Research and Public Health*, 18(2), p.608.

<https://doi.org/10.3390/ijerph18020608>

Ran, Y., Li, X., Cheng, G., Nan, Z., Che, J., Sheng, Y., Wu, Q., Jin, H., Luo, D., Tang, Z. and Wu, X., 2020. Mapping the permafrost stability on the Tibetan Plateau for 2005–2015. *Science China Earth Sciences*, pp.1-18.

<https://link.springer.com/article/10.1007/s11430-020-9685-3>

Turner, M.G., Wei, D., Prentice, I.C. and Harrison, S.P., 2020. The impact of methodological decisions on climate reconstructions using WA-PLS. *Quaternary Research*, pp.1-16.

<https://www.cambridge.org/core/journals/quaternary-research/article/impact-of-methodological-decisions-on-climate-reconstructions-using-wapls/38FB41181F6B3F725ACB14FDA2DCC22A>

Chen, Y., Zhu, M., Zhou, Q. and Qiao, Y., 2021. Research on Spatiotemporal Differentiation and Influence Mechanism of Urban Resilience in China Based on MGWR Model. *International Journal of Environmental Research and Public Health*, 18(3), p.1056.

<https://doi.org/10.3390/ijerph18031056>

Chakraborty, J. and Basu, P., 2021. Air Quality and Environmental Injustice in India: Connecting Particulate Pollution to Social Disadvantages. *International Journal of Environmental Research and Public Health*, 18(1), p.304.

<https://doi.org/10.3390/ijerph18010304>

Zhao, N., 2021. An Efficient Downscaling Scheme for High-Resolution Precipitation Estimates over a High Mountainous Watershed. *Remote Sensing*, 13(2), p.234.

<https://doi.org/10.3390/rs13020234>

Miao, L., Wen, Y. and Ren, Y., 2021, January. Analysing PM_{2.5} concentrations using MODIS and monitoring measurements for Shanghai area. In *Journal of Physics: Conference Series* (Vol. 1732, No. 1, p. 012104). IOP Publishing.

<https://iopscience.iop.org/article/10.1088/1742-6596/1732/1/012104/meta>

Guo, B., Wang, X., Pei, L., Su, Y., Zhang, D. and Wang, Y., 2021. Identifying the spatiotemporal dynamic of PM_{2.5} concentrations at multiple scales using geographically and temporally weighted regression model across China during 2015–2018. *Science of The Total Environment*, 751, p.141765.

<https://doi.org/10.1016/j.scitotenv.2020.141765>

Yan, D., Kong, Y., Jiang, P., Huang, R. and Ye, B., 2021. How do socioeconomic factors influence urban PM_{2.5} pollution in China? Empirical analysis from the perspective of spatiotemporal disequilibrium. *Science of The Total Environment*, 761, p.143266.

<https://doi.org/10.1016/j.scitotenv.2020.143266>

Wang, M. and Wang, H., 2020. Spatial Distribution Patterns and Influencing Factors of PM_{2.5} Pollution in the Yangtze River Delta: Empirical Analysis Based on a GWR Model. *Asia-Pacific Journal of Atmospheric Sciences*, pp.1-13.

<https://link.springer.com/article/10.1007%2Fs13143-019-00153-6>

Li, H., Fu, P., Yang, Y., Yang, X., Gao, H. and Li, K., 2021. Exploring spatial distributions of increments in soil heavy metals and their relationships with environmental factors using GWR. *Stochastic Environmental Research and Risk Assessment*, pp.1-14.

<https://link.springer.com/article/10.1007/s00477-021-01986-2>

Zarandi, S.M., Shahsavani, A., Nasiri, R. and Pradhan, B., 2021. A hybrid model of environmental impact assessment of PM_{2.5} concentration using multi-criteria decision-making (MCDM) and geographical information system (GIS)—a case study. *Arabian Journal of Geosciences*, 14(3), pp.1-20.

<https://link.springer.com/article/10.1007/s12517-021-06474-z>

Wahiduzzaman, M. and Luo, J.J., 2021. A statistical analysis on the contribution of El Niño–Southern Oscillation to the rainfall and temperature over Bangladesh. *Meteorology and Atmospheric Physics*, 133(1), pp.55-68.

<https://link.springer.com/article/10.1007/s00703-020-00733-6>

Xue, W., Wei, J., Zhang, J., Sun, L., Che, Y., Yuan, M. and Hu, X., 2021. Inferring Near-Surface PM_{2.5} Concentrations from the VIIRS Deep Blue Aerosol Product in China: A Spatiotemporally Weighted Random Forest Model. *Remote Sensing*, 13(3), p.505.

<https://doi.org/10.3390/rs13030505>

Yu, Q., Lu, H., Feng, W. and Yao, T., 2021. Estimating and Mapping of Soil Organic Matter Content in a Typical River Basin of the Qinghai-Tibet Plateau. *Geocarto International*, pp.1-20.

<https://doi.org/10.1080/10106049.2021.1871667>

Beyk Ahmadi, N. and Rahimzadegan, M., 2021. Improving the accuracy of global precipitation measurement integrated multi-satellite retrievals (GPM IMERG) using atmosphere precipitable water and altitude in climatic regions of Iran. *International Journal of Remote Sensing*, 42(7), pp.2759-2781.

<https://doi.org/10.1080/01431161.2020.1857878>

Lin, H., Cui, J. and Bai, X., 2021. Feature Extraction of Marine Water Pollution Based on Data Mining. *Symmetry*, 13(2), p.355.

<https://doi.org/10.3390/sym13020355>

Yan, J.W., Tao, F., Zhang, S.Q., Lin, S. and Zhou, T., 2021. Spatiotemporal Distribution Characteristics and Driving Forces of PM_{2.5} in Three Urban Agglomerations of the Yangtze River Economic Belt. *International Journal of Environmental Research and Public Health*, 18(5), p.2222.

<https://doi.org/10.3390/ijerph18052222>

Wang, C.J., Zhang, Z.X. and Wan, J.Z., 2021. Relationship between gross primary productivity and plant species richness at geographical scales: evidence from protected area data in China. *Environmental Earth Sciences*, 80(5), pp.1-8.

<https://link.springer.com/article/10.1007/s12665-021-09503-y>

Agovino, M., Marchesano, K. and Musella, G., 2021. Inequality and regressivity in Italian waste taxation. Is there an alternative route?. *Waste Management*, 122, pp.1-14.

<https://doi.org/10.1016/j.wasman.2020.12.035>

Shi, T., Yang, C., Liu, H., Wu, C., Wang, Z., Li, H., Zhang, H., Guo, L., Wu, G. and Su, F., 2021. Mapping lead concentrations in urban topsoil using proximal and remote sensing data and hybrid statistical approaches. *Environmental Pollution*, 272, p.116041.

<https://doi.org/10.1016/j.envpol.2020.116041>

Bai, J. and Yu, X., 2021. Export trade and smog pollution: Empirical evidence from China. *Growth and Change*, 52(1), pp.224-242.

<https://doi.org/10.1111/grow.12463>

Wang, Y. and Xu, Z., 2021. The scale boundary of urbanized population with peaking PM_{2.5} concentration: a spatial panel econometric analysis of China's prefecture-level and above cities. *Journal of Environmental Planning and Management*, pp.1-24.

<https://doi.org/10.1080/09640568.2021.1879033>

Feng, F. and Wang, K., 2021. Merging ground-based sunshine duration observations with satellite cloud and aerosol retrievals to produce high-resolution long-term surface solar radiation over China. *Earth System Science Data*, 13(3), pp.907-922.

<https://essd.copernicus.org/articles/13/907/2021/>

Luo, G., Peng, H., Zhang, S., Yan, L. and Dong, Y., 2021. Exploring the Variations of Redbed Badlands and Their Driving Forces in the Nanxiong Basin, Southern China: A Geographically Weighted Regression with Gridded Data. *Journal of Sensors*, 2021.

<https://doi.org/10.1155/2021/6694407>

Gonçalves, D.R.P., Mishra, U., Wills, S. and Gautam, S., 2021. Regional environmental controllers influence continental scale soil carbon stocks and future carbon dynamics. *Scientific reports*, 11(1), pp.1-10.

<https://www.nature.com/articles/s41598-021-85992-y>

Xu, J., Zhang, F., Ruan, H., Hu, H., Liu, Y., Zhong, K., Jing, W., Yang, J. and Liu, X., 2021. Hybrid modelling of random forests and kriging with sentinel-2A multispectral imagery to determine urban brightness temperatures with high resolution. *International Journal of Remote Sensing*, 42(6), pp.2174-2202.

<https://doi.org/10.1080/01431161.2020.1851801>

Wang, R., Kim, J.H. and Li, M.H., 2021. Predicting stream water quality under different urban development pattern scenarios with an interpretable machine learning approach. *Science of The Total Environment*, 761, p.144057.

<https://doi.org/10.1016/j.scitotenv.2020.144057>

Yan, D., Kong, Y., Jiang, P., Huang, R. and Ye, B., 2021. How do socioeconomic factors influence urban PM_{2.5} pollution in China? Empirical analysis from the perspective of spatiotemporal disequilibrium. *Science of The Total Environment*, 761, p.143266.

<https://doi.org/10.1016/j.scitotenv.2020.143266>

Guo, G., Wu, Z., Cao, Z., Chen, Y. and Zheng, Z., 2021. Location of greenspace matters: a new approach to investigating the effect of the greenspace spatial pattern on urban heat environment. *Landscape Ecology*, pp.1-16.

<https://link.springer.com/article/10.1007/s10980-021-01230-w>

Akbar, U., Li, Q.L., Akmal, M.A., Shakib, M. and Iqbal, W., 2020. Nexus between agro-ecological efficiency and carbon emission transfer: evidence from China. *Environmental Science and Pollution Research*, pp.1-13.

<https://link.springer.com/article/10.1007/s11356-020-09614-2>

Sakizadeh, M. and Martín, J.A.R., 2021. Spatial methods to analyze the relationship between Spanish soil properties and cadmium content. *Chemosphere*, 268, p.129347.
<https://doi.org/10.1016/j.chemosphere.2020.129347>

Bai, X., Zhang, T., Tian, S. and Wang, Y., 2021. Spatial analysis of factors affecting fertilizer use efficiency in China: an empirical study based on geographical weighted regression model. *Environmental Science and Pollution Research*, pp.1-19.
<https://link.springer.com/article/10.1007/s11356-020-12246-1>

Kong, L., Tang, X., Zhu, J., Wang, Z., Li, J., Wu, H., Wu, Q., Chen, H., Zhu, L., Wang, W. and Liu, B., 2021. A 6-year-long (2013–2018) high-resolution air quality reanalysis dataset in China based on the assimilation of surface observations from CNEMC. *Earth System Science Data*, 13(2), pp.529-570.
<https://essd.copernicus.org/articles/13/529/2021/>

do Nascimento, C.W.A., da Silva, F.B.V., Neta, A.D.B.F., Biondi, C.M., da Silva Lins, S.A., de Almeida Júnior, A.B. and Preston, W., 2021. Geopedology-climate interactions govern the spatial distribution of selenium in soils: A case study in northeastern Brazil. *Geoderma*, 399, p.115119.
<https://doi.org/10.1016/j.geoderma.2021.115119>

Wang, Y., Wang, X., Chen, W., Qiu, L., Wang, B. and Niu, W., 2021. Exploring the path of inter-provincial industrial transfer and carbon transfer in China via combination of multi-regional input–output and geographically weighted regression model. *Ecological Indicators*, 125, p.107547.
<https://doi.org/10.1016/j.ecolind.2021.107547>

Gao, J., Jiang, Y. and Anker, Y., 2021. Contribution analysis on spatial tradeoff/synergy of Karst soil conservation and water retention for various geomorphological types: Geographical detector application. *Ecological Indicators*, 125, p.107470.
<https://doi.org/10.1016/j.ecolind.2021.107470>

Cheng, Y., Wang, Y., Chen, W., Wang, Q. and Zhao, G., 2021. Does income inequality affect direct and indirect household CO₂ emissions? A quantile regression approach. *Clean Technologies and Environmental Policy*, 23(4), pp.1199-1213.
<https://link.springer.com/article/10.1007/s10098-020-01980-2>

Ren, Q. and Li, H., 2021. Spatiotemporal Effects and Driving Factors of Water Pollutants Discharge in Beijing–Tianjin–Hebei Region. *Water*, 13(9), p.1174.
<https://doi.org/10.3390/w13091174>

Wei, W., Zhang, J., Zhou, L., Xie, B., Zhou, J. and Li, C., 2021. Comparative evaluation of drought indices for monitoring drought based on remote sensing data. *Environmental Science and Pollution Research*, 28(16), pp.20408-20425.

<https://link.springer.com/article/10.1007/s11356-020-12120-0>

Tan, S., Zhang, M., Wang, A., Zhang, X. and Chen, T., 2021. How do varying socio-economic driving forces affect China's carbon emissions? New evidence from a multiscale geographically weighted regression model. *Environmental Science and Pollution Research*, pp.1-13.

<https://link.springer.com/article/10.1007/s11356-021-13444-1>

Wang, R., Kim, J.H. and Li, M.H., 2021. Predicting stream water quality under different urban development pattern scenarios with an interpretable machine learning approach. *Science of The Total Environment*, 761, p.144057.

<https://doi.org/10.1016/j.scitotenv.2020.144057>

Pei, L., Wang, X., Guo, B., Guo, H. and Yu, Y., 2021. Do air pollutants as well as meteorological factors impact Corona Virus Disease 2019 (COVID-19)? Evidence from China based on the geographical perspective. *Environmental Science and Pollution Research*, pp.1-13.

<https://link.springer.com/article/10.1007/s11356-021-12934-6>

Aturinde, A., Farnaghi, M., Pilesjö, P., Sundquist, K. and Mansourian, A., 2021. Spatial analysis of ambient air pollution and cardiovascular disease (CVD) hospitalization across Sweden. *GeoHealth*, 5(5), p.e2020GH000323.

<https://doi.org/10.1029/2020GH000323>

Bai, J. and Yu, X., 2021. Export trade and smog pollution: Empirical evidence from China. *Growth and Change*, 52(1), pp.224-242.

<https://doi.org/10.1111/grow.12463>

Bai, X., Zhang, T., Tian, S. and Wang, Y., 2021. Spatial analysis of factors affecting fertilizer use efficiency in China: an empirical study based on geographical weighted regression model. *Environmental Science and Pollution Research*, 28(13), pp.16663-16681.

<https://link.springer.com/article/10.1007/s11356-020-12246-1>

Chen, K.Y., Zhang, H.R., Zhang, B. and He, Y.J., 2021. Spatial distribution of carbon storage in natural secondary forest based on geographically weighted regression expansion model. *Ying Yong Sheng tai xue bao= The Journal of Applied Ecology*, 32(4), pp.1175-1183.

[10.13287/j.1001-9332.202104.002](https://doi.org/10.13287/j.1001-9332.202104.002)

Fang, G., Pang, W., Zhao, L., Cui, W., Zhu, L., Cao, S. and Ge, Y., 2021. Extreme Typhoon Wind Speed Mapping for Coastal Region of China: Geographically Weighted Regression-Based Circular Subregion Algorithm. *Journal of Structural Engineering*, 147(10), p.04021146.

https://ascelibrary.org/doi/pdf/10.1061/%28ASCE%29ST.1943-541X.0003122?casa_token=5LLCWd68Tw8AAAAA%3A2Cgp80uW__8DX-a1vO5Hn2wIKgVNYt-VSl dhYW1f6AFEXr34H0TUyofUsv7XQcK260bo3EW68Fs&

He, C., Hong, S., Mu, H., Tu, P., Yang, L., Ke, B. and Huang, J., 2021. Characteristics and Meteorological Factors of Severe Haze Pollution in China. *Advances in Meteorology*, 2021.

<https://doi.org/10.1155/2021/6680564>

He, J., Shi, X. and Fu, Y., 2021. Identifying vegetation restoration effectiveness and driving factors on different micro-topographic types of hilly Loess Plateau: From the perspective of ecological resilience. *Journal of Environmental Management*, 289, p.112562.
<https://doi.org/10.1016/j.jenvman.2021.112562>

Kamthonkiat, D., Thanyapraneedkul, J., Nuengjumnong, N., Ninsawat, S., Unapumnuk, K. and Vu, T.T., 2021. Identifying priority air pollution management areas during the burning season in Nan Province, Northern Thailand. *Environment, Development and Sustainability*, 23(4), pp.5865-5884.
<https://link.springer.com/article/10.1007/s10668-020-00850-7>

Kim, S.W. and Brown, R.D., 2021. Urban heat island (UHI) intensity and magnitude estimations: A systematic literature review. *Science of The Total Environment*, p.146389.
<https://doi.org/10.1016/j.scitotenv.2021.146389>

Kong, L., Tang, X., Zhu, J., Wang, Z., Li, J., Wu, H., Wu, Q., Chen, H., Zhu, L., Wang, W. and Liu, B., 2021. A 6-year-long (2013–2018) high-resolution air quality reanalysis dataset in China based on the assimilation of surface observations from CNEMC. *Earth System Science Data*, 13(2), pp.529-570.
<https://doi.org/10.5194/essd-13-529-2021>

Su, K. and Lee, C., 2021. Spatial Dependence Pattern of Energy-Related Carbon Emissions and Spatial Heterogeneity of Influencing Factors in China: Based on ESDA-GTWR Model. *Nature Environment & Pollution Technology*, 20(1).
<https://doi.org/10.46488/NEPT.2021.v20i01.003>

Sun, Y., Liu, S., Liu, Y., Dong, Y., Li, M., An, Y., Shi, F. and Beazley, R., 2021. Effects of the interaction among climate, terrain and human activities on biodiversity on the Qinghai-Tibet Plateau. *Science of The Total Environment*, 794, p.148497.
<https://doi.org/10.1016/j.scitotenv.2021.148497>

Sung, C.H. and Liaw, S.C., 2021. Using spatial pattern analysis to explore the relationship between vulnerability and resilience to natural hazards. *International journal of environmental research and public health*, 18(11), p.5634.
<https://doi.org/10.3390/ijerph18115634>

Thompson, C.M., Dezzani, R.J. and Radil, S.M., 2019. Modeling multiscalar influences on natural hazards vulnerability: a proof of concept using coastal hazards in Sarasota County, Florida. *GeoJournal*, pp.1-22.

<https://doi.org/10.1007/s10708-019-10070-w>

Wahiduzzaman, M. and Luo, J.J., 2021. A statistical analysis on the contribution of El Niño–Southern Oscillation to the rainfall and temperature over Bangladesh. *Meteorology and Atmospheric Physics*, 133(1), pp.55-68.

<https://link.springer.com/article/10.1007/s00703-020-00733-6>

Wang, Y., Liu, G. and Zhao, Z., 2021. Spatial heterogeneity of soil fertility in coastal zones: a case study of the Yellow River Delta, China. *Journal of Soils and Sediments*, 21(4), pp.1826-1839.

<https://link.springer.com/article/10.1007/s11368-021-02891-5>

Wang, Y., Wang, X., Chen, W., Qiu, L., Wang, B. and Niu, W., 2021. Exploring the path of inter-provincial industrial transfer and carbon transfer in China via combination of multi-regional input–output and geographically weighted regression model. *Ecological Indicators*, 125, p.107547.

<https://doi.org/10.1016/j.ecolind.2021.107547>

Wei, D., González-Sampériz, P., Gil-Romera, G., Harrison, S.P. and Prentice, I.C., 2021. Seasonal temperature and moisture changes in interior semi-arid Spain from the last interglacial to the Late Holocene. *Quaternary Research*, pp.1-13.

<https://www.cambridge.org/core/services/aop-cambridge-core/content/view/F54685F2775741F8CCA70DA9A54AB809/S0033589420001088a.pdf/div-class-title-seasonal-temperature-and-moisture-changes-in-interior-semi-arid-spain-from-the-last-interglacial-to-the-late-holocene-div.pdf>

Xiong, Y., Li, Y., Xiong, S., Wu, G. and Deng, O., 2021. Multi-scale spatial correlation between vegetation index and terrain attributes in a small watershed of the upper Minjiang River. *Ecological Indicators*, 126, p.107610.

<https://doi.org/10.1016/j.ecolind.2021.107610>

Xu, S., Zhao, Q., Yin, K., He, G., Zhang, Z., Wang, G., Wen, M. and Zhang, N., 2021. Spatial Downscaling of Land Surface Temperature Based on a Multi-Factor Geographically Weighted Machine Learning Model. *Remote Sensing*, 13(6), p.1186.

<https://doi.org/10.3390/rs13061186>

Xue, Z., Gupta, P. and Christopher, S., 2020. Satellite-based Estimation of the Impacts of Summertime Wildfires on Particulate Matter Air Quality in United States. *Atmospheric Chemistry and Physics Discussions*, pp.1-31.

<https://doi.org/10.5194/acp-2020-1152>

Yan, D., Kong, Y., Jiang, P., Huang, R. and Ye, B., 2021. How do socioeconomic factors influence urban PM_{2.5} pollution in China? Empirical analysis from the perspective of spatiotemporal disequilibrium. *Science of The Total Environment*, 761, p.143266.

<https://doi.org/10.1016/j.scitotenv.2020.143266>

Yang, X., Yang, Y., Wan, Y., Wu, R., Feng, D. and Li, K., 2021. Source identification and comprehensive apportionment of the accumulation of soil heavy metals by integrating pollution landscapes, pathways, and receptors. *Science of The Total Environment*, 786, p.147436.
<https://doi.org/10.1016/j.scitotenv.2021.147436>

Ghorbanpour, A.K., Hessels, T., Moghim, S. and Afshar, A., 2021. Comparison and assessment of spatial downscaling methods for enhancing the accuracy of satellite-based precipitation over Lake Urmia Basin. *Journal of Hydrology*, 596, p.126055.
<https://doi.org/10.1016/j.jhydrol.2021.126055>

Zhang, L., Li, D., Guo, Q. and Pan, J., 2021. Deep Spatio-temporal Learning Model for Air Quality Forecasting. *International Journal of Computers, Communications & Control*, 16(2).
<https://doi.org/10.15837/ijccc.2021.2.4111>

Zhang, H. and Kondragunta, S., 2021. Daily and hourly surface PM_{2.5} estimation from satellite AOD. *Earth and Space Science*, 8(3), p.e2020EA001599.
<https://doi.org/10.1029/2020EA001599>

Zarandi, S.M., Shahsavani, A., Nasiri, R. and Pradhan, B., 2021. A hybrid model of environmental impact assessment of PM_{2.5} concentration using multi-criteria decision-making (MCDM) and geographical information system (GIS)—a case study. *Arabian Journal of Geosciences*, 14(3), pp.1-20.
<https://link.springer.com/article/10.1007/s12517-021-06474-z>

Yu, Q., Yao, T., Lu, H., Feng, W., Xue, Y. and Liu, B., 2021. Improving estimation of soil organic matter content by combining Landsat 8 OLI images and environmental data: A case study in the river valley of the southern Qinghai-Tibet Plateau. *Computers and Electronics in Agriculture*, 185, p.106144.
<https://doi.org/10.1016/j.compag.2021.106144>

Rifat, S.A.A., Senkbeil, J.C. and Liu, W., 2021. Assessing Influential Factors on Inland Property Damage from Gulf of Mexico Tropical Cyclones in the United States. *ISPRS International Journal of Geo-Information*, 10(5), p.295.
<https://doi.org/10.3390/ijgi10050295>

Fire:

Yamashita, K., 2008. *Understanding urban fire: Modeling fire incidence using classical and geographically weighted regression*. University of Colorado at Boulder.
<https://search.proquest.com/openview/de9ef0134be570da0896c3cb0568cc51/1?pq-origsite=gscholar&cbl=18750&diss=y>

Ardianto, R., 2018. Modelling spatial temporal patterns and drivers of urban residential fire risk. <http://researchbank.rmit.edu.au/view/rmit:162411>

Guo, F., Su, Z., Tigabu, M., Yang, X., Lin, F., Liang, H. and Wang, G., 2017. Spatial modelling of fire drivers in urban-forest ecosystems in China. *Forests*, 8(6), p.180. <https://www.mdpi.com/1999-4907/8/6/180>

Song, C., Kwan, M.P. and Zhu, J., 2017. Modeling fire occurrence at the city scale: A comparison between geographically weighted regression and global linear regression. *International journal of environmental research and public health*, 14(4), p.396. <https://www.mdpi.com/1660-4601/14/4/396>

Koutsias, N., Martínez-Fernández, J. and Allgöwer, B., 2010. Do factors causing wildfires vary in space? Evidence from geographically weighted regression. *GIScience & Remote Sensing*, 47(2), pp.221-240. <https://www.tandfonline.com/doi/abs/10.2747/1548-1603.47.2.221>

Avila-Flores, D., Pompa-Garcia, M., Antonio-Nemiga, X., Rodriguez-Trejo, D.A., Vargas-Perez, E. and Santillan-Perez, J., 2010. Driving factors for forest fire occurrence in Durango State of Mexico: A geospatial perspective. *Chinese Geographical Science*, 20(6), pp.491-497. <https://link.springer.com/article/10.1007/s11769-010-0437-x>

Mofokeng, D.O., 2017. *Development of fire potential index over golden gate highlands national park using remote sensing* (Doctoral dissertation, University of the Free State). <https://scholar.ufs.ac.za/handle/11660/9191>

Gan, R.W., Ford, B., Lassman, W., Pfister, G., Vaidyanathan, A., Fischer, E., Volckens, J., Pierce, J.R. and Magzamen, S., 2017. Comparison of wildfire smoke estimation methods and associations with cardiopulmonary-related hospital admissions. *GeoHealth*, 1(3), pp.122-136. <https://agupubs.onlinelibrary.wiley.com/doi/full/10.1002/2017GH000073>

Nunes, A.N. and Lourenço, L., 2018. Spatial Association Between Forest Fires Incidence and Socioeconomic Vulnerability in Portugal, at Municipal Level. In *Integrating Disaster Science and Management* (pp. 83-97). <https://www.sciencedirect.com/science/article/pii/B9780128120569000063>

Rodrigues, M., Jiménez-Ruano, A., Peña-Angulo, D. and de la Riva, J., 2018. A comprehensive spatial-temporal analysis of driving factors of human-caused wildfires in Spain using geographically weighted logistic regression. *Journal of environmental management*, 225, pp.177-192. <https://www.sciencedirect.com/science/article/pii/S0301479718308612>

Hjalmarsson, J., 2016. A weighty issue: estimation of fire size with geographically weighted logistic regression. *Master Thesis in Geographical Information Science*. <https://lup.lub.lu.se/student-papers/search/publication/8892907>

Perez-Verdin, G., Marquez-Linares, M.A. and Salmeron-Macias, M., 2014. Spatial heterogeneity of factors influencing forest fires size in northern Mexico. *Journal of forestry research*, 25(2), pp.291-300.

<https://link.springer.com/article/10.1007/s11676-014-0460-3>

Šturm, T. and Podobnikar, T., 2017. A probability model for long-term forest fire occurrence in the Karst forest management area of Slovenia. *International journal of wildland fire*, 26(5), pp.399-412.

<http://www.publish.csiro.au/wf/wf15192>

Viana-Soto, A., Aguado, I. and Martínez, S., 2017. Assessment of Post-Fire Vegetation Recovery Using Fire Severity and Geographical Data in the Mediterranean Region (Spain). *Environments*, 4(4), p.90.

<https://www.mdpi.com/2076-3298/4/4/90>

Špatenková, O. and Virrantaus, K., 2013. Discovering spatio-temporal relationships in the distribution of building fires. *Fire Safety Journal*, 62, pp.49-63.

<https://www.sciencedirect.com/science/article/pii/S0379711213001124>

Pérez-Verdin, G., Márquez-Linares, M.A., Cortes-Ortiz, A. and Salmerón-Macias, M., 2013. Spatiotemporal distribution patterns of forest fires in northern Mexico. In *In: González-Cabán, Armando, tech. coord. Proceedings of the fourth international symposium on fire economics, planning, and policy: climate change and wildfires. Gen. Tech. Rep. PSW-GTR-245 (English). Albany, CA: US Department of Agriculture, Forest Service, Pacific Southwest Research Station: 202-212 (Vol. 245, pp. 202-212).*

<https://www.fs.usda.gov/treearch/pubs/44520>

Zhang, H., Qi, P. and Guo, G., 2014. Improvement of fire danger modelling with geographically weighted logistic model. *International Journal of Wildland Fire*, 23(8), pp.1130-1146.

<http://www.publish.csiro.au/wf/wf13195>

Rodrigues, M., de la Riva, J. and Fotheringham, S., 2014. Modeling the spatial variation of the explanatory factors of human-caused wildfires in Spain using geographically weighted logistic regression. *Applied Geography*, 48, pp.52-63.

<https://www.sciencedirect.com/science/article/pii/S0143622814000186>

Sá, A.C., Pereira, J.M., Charlton, M.E., Mota, B., Barbosa, P.M. and Fotheringham, A.S., 2011. The pyrogeography of sub-Saharan Africa: a study of the spatial non-stationarity of fire–environment relationships using GWR. *Journal of Geographical Systems*, 13(3), pp.227-248.

<https://link.springer.com/article/10.1007/s10109-010-0123-7>

Martínez-Fernández, J., Chuvieco, E. and Koutsias, N., 2013. Modelling long-term fire occurrence factors in Spain by accounting for local variations with geographically weighted regression. *Natural Hazards and Earth System Sciences*, 13(2), pp.311-327.

<https://www.nat-hazards-earth-syst-sci.net/13/311/2013/nhess-13-311-2013.html>

Oliveira, S., Pereira, J.M., San-Miguel-Ayanz, J. and Lourenço, L., 2014. Exploring the spatial patterns of fire density in Southern Europe using Geographically Weighted Regression. *Applied Geography*, 51, pp.143-157.

<https://www.sciencedirect.com/science/article/pii/S0143622814000630>

Nunes, A.N., Lourenço, L. and Meira, A.C., 2016. Exploring spatial patterns and drivers of forest fires in Portugal (1980–2014). *Science of the total environment*, 573, pp.1190-1202.

<https://www.sciencedirect.com/science/article/pii/S0048969716305460>

Koutsias, N., Martinez, J., Chuvieco, E. and Allgöwer, B., 2005, June. Modeling wildland fire occurrence in southern Europe by a geographically weighted regression approach. In *Proceedings of the 5th international workshop on remote sensing and GIS applications to forest fire management: fire effects assessment* (pp. 16-18).

https://www.researchgate.net/profile/Jesus_Martinez-Fernandez/publication/271191200_Modelling_Wildland_Fire_Occurrence_in_Southern_Europe_by_Geographically_Weighted_Regression_Approach/links/54c126c40cf2dd3cb9580956/Modeling-Wildland-Fire-Occurrence-in-Southern-Europe-by-Geographically-Weighted-Regression-Approach.pdf

https://www.researchgate.net/profile/Jesus_Martinez-Fernandez/publication/271191200_Modelling_Wildland_Fire_Occurrence_in_Southern_Europe_by_Geographically_Weighted_Regression_Approach/links/54c126c40cf2dd3cb9580956/Modeling-Wildland-Fire-Occurrence-in-Southern-Europe-by-Geographically-Weighted-Regression-Approach.pdf

Tulbure, M.G., Wimberly, M.C., Roy, D.P. and Henebry, G.M., 2011. Spatial and temporal heterogeneity of agricultural fires in the central United States in relation to land cover and land use. *Landscape Ecology*, 26(2), pp.211-224.

<https://link.springer.com/article/10.1007/s10980-010-9548-0>

Rodrigues, M., Jiménez, A. and de la Riva, J., 2016. Analysis of recent spatial–temporal evolution of human driving factors of wildfires in Spain. *Natural Hazards*, 84(3), pp.2049-2070.

<https://link.springer.com/article/10.1007/s11069-016-2533-4>

Monjarás-Vega, N.A., Briones-Herrera, C.I., Vega-Nieva, D.J., Calleros-Flores, E., Corral-Rivas, J.J., López-Serrano, P.M., Pompa-García, M., Rodríguez-Trejo, D.A., Carrillo-Parra, A., González-Cabán, A. and Alvarado-Celestino, E., 2020. Predicting forest fire kernel density at multiple scales with geographically weighted regression in Mexico. *Science of The Total Environment*, 718, p.137313.

<https://doi.org/10.1016/j.scitotenv.2020.137313>

Viana-Soto, A., Aguado, I., Salas, J. and García, M., 2020. Identifying Post-Fire Recovery Trajectories and Driving Factors Using Landsat Time Series in Fire-Prone Mediterranean Pine Forests. *Remote Sensing*, 12(9), p.1499.

<https://doi.org/10.3390/rs12091499>

Zúñiga-Vásquez, J.M., Cisneros-González, D. and Pompa-García, M., 2019. Drought regulates the burned forest areas in Mexico: the case of 2011, a record year. *Geocarto International*, 34(5), pp.560-573.

<https://doi.org/10.1080/10106049.2017.1415986>

Kumar, V., Jana, A. and Ramamritham, K., 2020. A decision framework to assess urban fire vulnerability in cities of developing nations: Empirical evidence from Mumbai. *Geocarto International*, pp.1-17.

<https://doi.org/10.1080/10106049.2020.1723718>

Mirzaei, M., Bertazzon, S., Couloigner, I., Farjad, B. and Ngom, R., 2020. Estimation of local daily PM 2.5 concentration during wildfire episodes: integrating MODIS AOD with multivariate linear mixed effect (LME) models. *Air Quality, Atmosphere & Health*, 13(2), pp.173-185.

<https://link.springer.com/article/10.1007/s11869-019-00780-y>

Sakellariou, S., Cabral, P., Caetano, M., Pla, F., Painho, M., Christopoulou, O., Sfougaris, A., Dalezios, N. and Vasilakos, C., 2020. Remotely sensed data fusion for spatiotemporal geostatistical analysis of forest fire hazard. *Sensors*, 20(17), p.5014.

<https://doi.org/10.3390/s20175014>

Kondo, M.C., De Roos, A.J., White, L.S., Heilman, W.E., Mockrin, M.H., Gross-Davis, C.A. and Burstyn, I., 2019. Meta-analysis of heterogeneity in the effects of wildfire smoke exposure on respiratory health in North America. *International journal of environmental research and public health*, 16(6), p.960.

<https://doi.org/10.3390/ijerph16060960>

Gan, R.W., Liu, J., Ford, B., O'Dell, K., Vaidyanathan, A., Wilson, A., Volckens, J., Pfister, G., Fischer, E.V., Pierce, J.R. and Magzamen, S., 2020. The association between wildfire smoke exposure and asthma-specific medical care utilization in Oregon during the 2013 wildfire season. *Journal of Exposure Science & Environmental Epidemiology*, pp.1-11.

<https://www.nature.com/articles/s41370-020-0210-x>

Ardianto, R. and Chhetri, P., 2019. Modeling spatial-temporal dynamics of urban residential fire risk using a Markov chain technique. *International Journal of Disaster Risk Science*, 10(1), pp.57-73.

<https://link.springer.com/article/10.1007%2Fs13753-018-0209-2>

Xue, Z., Gupta, P. and Christopher, S., 2021. Satellite-based estimation of the impacts of summertime wildfires on PM 2.5 concentration in the United States. *Atmospheric Chemistry and Physics*, 21(14), pp.11243-11256.

<https://doi.org/10.5194/acp-21-11243-2021>

Fisheries:

Windle, M.J., Rose, G.A., Devillers, R. and Fortin, M.J., 2009. Exploring spatial non-stationarity of fisheries survey data using geographically weighted regression (GWR): an example from the Northwest Atlantic. *ICES Journal of Marine Science*, 67(1), pp.145-154.

<https://academic.oup.com/icesjms/article/67/1/145/595559>

Tseng, C.T., Su, N.J., Sun, C.L., Punt, A.E., Yeh, S.Z., Liu, D.C. and Su, W.C., 2013. Spatial and temporal variability of the Pacific saury (*Cololabis saira*) distribution in the northwestern Pacific Ocean. *ICES Journal of Marine Science*, 70(5), pp.991-999.

<https://doi.org/10.1093/icesjms/fss205>

Izadi, S., Sohrabi, H. and Khaledi, M.J., 2020. Estimation of coppice forest characteristics using spatial and non-spatial models and Landsat data. *Journal of Spatial Science*, pp.1-14.

<https://doi.org/10.1080/14498596.2020.1734110>

Hegna, J., Scribner, K. and Baker, E., 2020. Movements, habitat use, and entrainment of stocked juvenile lake sturgeon in a hydroelectric reservoir system. *Canadian Journal of Fisheries and Aquatic Sciences*, 77(3), pp.611-624.

<https://doi.org/10.1139/cjfas-2018-0407>

Li, M., Zhang, C., Xu, B., Xue, Y. and Ren, Y., 2020. A comparison of GAM and GWR in modelling spatial distribution of Japanese mantis shrimp (*Oratosquilla oratoria*) in coastal waters. *Estuarine, Coastal and Shelf Science*, 244, p.106928.

<https://doi.org/10.1016/j.ecss.2020.106928>

Cullen, D.W. and Guida, V., 2021. Use of geographically weighted regression to investigate spatial non-stationary environmental effects on the distributions of black sea bass (*Centropristis striata*) and scup (*Stenotomus chrysops*) in the Mid-Atlantic Bight, USA. *Fisheries Research*, 234, p.105795.

<https://doi.org/10.1016/j.fishres.2020.105795>

de Almeida, T.C., Tessarolo, G., Nabout, J.C. and Teresa, F.B., 2021. Non-stationary drivers on fish sampling efforts in Brazilian freshwaters. *Diversity and Distributions*.

<https://doi.org/10.1111/ddi.13269>

Cullen, D.W. and Guida, V., 2021. Use of geographically weighted regression to investigate spatial non-stationary environmental effects on the distributions of black sea bass (*Centropristis striata*) and scup (*Stenotomus chrysops*) in the Mid-Atlantic Bight, USA. *Fisheries Research*, 234, p.105795.

<https://doi.org/10.1016/j.fishres.2020.105795>

Flood:

Eccles, K.M., Checkley, S., Sjogren, D., Barkema, H.W. and Bertazzon, S., 2017. Lessons learned from the 2013 Calgary flood: assessing risk of drinking water well contamination. *Applied Geography*, 80, pp.78-85.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622817301534>

Chang, L.F., Lin, C.H. and Su, M.D., 2008. Application of geographic weighted regression to establish flood-damage functions reflecting spatial variation. *Water Sa*, 34(2), pp.209-216.

http://www.scielo.org.za/scielo.php?pid=S1816-79502008000200009&script=sci_arttext&tlng=es

Cao, G., Shi, Q. and Liu, T., 2016. An integrated model of urban spatial structure: Insights from the distribution of floor area ratio in a Chinese city. *Applied Geography*, 75, pp.116-126.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622816303198>

Wang, C., Du, S., Wen, J., Zhang, M., Gu, H., Shi, Y. and Xu, H., 2017. Analyzing explanatory factors of urban pluvial floods in Shanghai using geographically weighted regression. *Stochastic Environmental Research and Risk Assessment*, 31(7), pp.1777-1790.

<https://link.springer.com/article/10.1007/s00477-016-1242-6>

Mentzafou, A., Markogianni, V. and Dimitriou, E., 2018. The use of geospatial technologies in flood hazard mapping and assessment: case study from River Evros. In *Geoinformatics and Atmospheric Science* (pp. 221-242). Birkhäuser, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-66092-9_12

Török, I., 2018. Qualitative Assessment of Social Vulnerability to Flood Hazards in Romania. *Sustainability*, 10(10), p.3780.

<https://www.mdpi.com/2071-1050/10/10/3780>

Chang, L.F. and Su, M.D., 2007. Using the geographically weighted regression to modify the residential flood damage function. In *World Environmental and Water Resources Congress 2007: Restoring Our Natural Habitat* (pp. 1-25).

[https://ascelibrary.org/doi/abs/10.1061/40927\(243\)29](https://ascelibrary.org/doi/abs/10.1061/40927(243)29)

Imee, V., Cheong, T., Yu, I. and Jeong, S., 2014. Application of Geological Weighted Regression to Establish Loss Functions Reflecting Spatial Variation. *Journal of the Korean Society of Hazard Mitigation*, 14(5), pp.359-370.

<http://www.j-kosham.or.kr/journal/view.php?number=7287>

Chen, I.H., 2021. New conceptual framework for flood risk assessment in Sheffield, UK. *Geographical Research*.

<https://doi.org/10.1111/1745-5871.12478>

Mardianto, M.F.F., Sediono, Aprilianti, N.A., Ardhani, B.A., Rahmadina, R.F. and Ulyah, S.M., 2021, February. Number of flood disaster estimation in Indonesia using local linear and geographically weighted regression approach. In *AIP Conference Proceedings* (Vol. 2329, No. 1, p. 060006). AIP Publishing LLC.

<https://doi.org/10.1063/5.0042118>

Parizi, E., Bagheri-Gavkosh, M., Hosseini, S.M. and Geravand, F., 2021. Linkage of geographically weighted regression with spatial cluster analyses for regionalization of flood peak discharges drivers: Case studies across Iran. *Journal of Cleaner Production*, 310, p.127526.

<https://doi.org/10.1016/j.jclepro.2021.127526>

Forestry:

Rezende, V.L., Eisenlohr, P.V., Vibrans, A.C. and de Oliveira-Filho, A.T., 2015. Humidity, low temperature extremes, and space influence floristic variation across an insightful gradient in the Subtropical Atlantic Forest. *Plant ecology*, 216(6), pp.759-774.

<https://link.springer.com/article/10.1007/s11258-015-0465-9>

Odgaard, M.V., BøCHER, P.K., Dalgaard, T., Moeslund, J.E. and Svenning, J.C., 2014. Human-driven topographic effects on the distribution of forest in a flat, lowland agricultural region. *Journal of Geographical Sciences*, 24(1), pp.76-92.

<https://link.springer.com/article/10.1007/s11442-014-1074-6>

Ferreira, N.C., Ferreira, L.G. and Huete, A.R., 2010. Assessing the response of the MODIS vegetation indices to landscape disturbance in the forested areas of the legal Brazilian Amazon. *International Journal of Remote Sensing*, 31(3), pp.745-759.

<https://www.tandfonline.com/doi/abs/10.1080/01431160902897817>

Guo, F., Selvalakshmi, S., Lin, F., Wang, G., Wang, W., Su, Z. and Liu, A., 2016. Geospatial information on geographical and human factors improved anthropogenic fire occurrence modeling in the Chinese boreal forest. *Canadian Journal of Forest Research*, 46(4), pp.582-594.

<http://www.nrcresearchpress.com/doi/abs/10.1139/cjfr-2015-0373#.XF9VEIxBKi00>

Čabaravdić, A., Aida, I., Osmanović, M. and Mirsada, S., 2016. Evaluation of MLR and GWR regression models of current annual increment predicted by growing stock, topographical and Landsat 8 spectral data in the northeast Bosnian mixed forest. *Works of the Faculty of Forestry University of Sarajevo*, (2).

<http://sfsa.unsa.ba/dokumenti/2017/2-Cabaravdic%20et%20al.pdf>

Kim, K.M., Roh, Y.H. and Kim, E.S., 2014. Comparison of three kinds of methods on estimation of forest carbon stocks distribution using national forest inventory DB and forest type map. *Journal of the Korean Association of Geographic Information Studies*, 17(4), pp.69-85.

<http://www.koreascience.or.kr/article/JAKO201403460492721.page>

Ahmed, M.A.A., Abd-Elrahman, A., Escobedo, F.J., Cropper, W.P., Martin, T.A. and Timilsina, N., 2017. Spatially-explicit modeling of multi-scale drivers of aboveground forest biomass and water yield in watersheds of the Southeastern United States. *Journal of environmental management*, 199, pp.158-171.

<https://www.sciencedirect.com/science/article/pii/S0301479717304735>

Rachmawan, I.E.W. and Kiyoki, Y., 2017, September. Semantic spatial weighted regression for realizing spatial correlation of deforestation effect on soil degradation. In *Knowledge Creation*

and Intelligent Computing (IES-KCIC), 2017 International Electronics Symposium on (pp. 71-76). IEEE.

<https://ieeexplore.ieee.org/abstract/document/8228566>

Schepaschenko, D.G., Shvidenko, A.Z., Lesiv, M.Y., Ontikov, P.V., Shchepashchenko, M.V. and Kraxner, F., 2015. Estimation of forest area and its dynamics in Russia based on synthesis of remote sensing products. *Contemporary problems of ecology*, 8(7), pp.811-817.

<https://link.springer.com/article/10.1134/S1995425515070136>

Shin, J., 2018. Estimating Forest Inventory Attributes Using Airborne LiDAR in Southwestern Oregon.

https://ir.library.oregonstate.edu/concern/graduate_thesis_or_dissertations/gb19fc12t

Shin, J., Temesgen, H., Strunk, J.L. and Hilker, T., 2016. Comparing modeling methods for predicting forest attributes using LiDAR metrics and ground measurements. *Canadian Journal of Remote Sensing*, 42(6), pp.739-765.

<https://www.tandfonline.com/doi/abs/10.1080/07038992.2016.1252908>

Lesiv, M., Moltchanova, E., Schepaschenko, D., See, L., Shvidenko, A., Comber, A. and Fritz, S., 2016. Comparison of data fusion methods using crowdsourced data in creating a hybrid forest cover map. *Remote Sensing*, 8(3), p.261.

<https://www.mdpi.com/2072-4292/8/3/261/htm>

Schepaschenko, D., See, L., Lesiv, M., McCallum, I., Fritz, S., Salk, C., Moltchanova, E., Perger, C., Shchepashchenko, M., Shvidenko, A. and Kovalevskyi, S., 2015. Development of a global hybrid forest mask through the synergy of remote sensing, crowdsourcing and FAO statistics. *Remote Sensing of Environment*, 162, pp.208-220.

<https://www.sciencedirect.com/science/article/abs/pii/S0034425715000644>

Perry, E.M., Dezzani, R.J., Seavert, C.F. and Pierce, F.J., 2010. Spatial variation in tree characteristics and yield in a pear orchard. *Precision agriculture*, 11(1), pp.42-60.

<https://link.springer.com/article/10.1007/s11119-009-9113-5>

Maselli, F., Chiesi, M., Mura, M., Marchetti, M., Corona, P. and Chirici, G., 2014. Combination of optical and LiDAR satellite imagery with forest inventory data to improve wall-to-wall assessment of growing stock in Italy. *International Journal of Applied Earth Observation and Geoinformation*, 26, pp.377-386.

<https://www.sciencedirect.com/science/article/pii/S0303243413001001>

Subedi, N., 2012. *Local modeling of tree crown area using Bayesian geographically weighted regression*. State University of New York College of Environmental Science and Forestry.

<https://search.proquest.com/openview/13c45a7bf035a06d94a45cb38d595fca/1?pq-origsite=gscholar&cbl=18750&diss=y>

Zhang, L., Bi, H., Cheng, P. and Davis, C.J., 2004. Modeling spatial variation in tree diameter–height relationships. *Forest Ecology and Management*, 189(1-3), pp.317-329.

<https://www.sciencedirect.com/science/article/pii/S0378112703004341>

Chen, L., Ren, C., Zhang, B., Wang, Z. and Xi, Y., 2018. Estimation of Forest Above-Ground Biomass by Geographically Weighted Regression and Machine Learning with Sentinel Imagery. *Forests*, 9(10), p.582.

<https://www.mdpi.com/1999-4907/9/10/582>

Subedi, N., Zhang, L. and Zhen, Z., 2018. Bayesian geographically weighted regression and its application for local modeling of relationships between tree variables. *iForest-Biogeosciences and Forestry*, 11(5), p.542.

<http://www.sisef.it/iforest/abstract/?id=ifor2574-011>

Mas, J.F. and Cuevas, G., 2016. Identifying Local Deforestation Patterns Using Geographically Weighted Regression Models. In *Geographical Information Systems Theory, Applications and Management* (pp. 36-49). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-29589-3_3

Allen, K.E. and Vásquez, S.P., 2017. Forest cover, development, and sustainability in Costa Rica: Can one policy fit all?. *Land Use Policy*, 67, pp.212-221.

<https://www.sciencedirect.com/science/article/abs/pii/S026483771630415X>

Han, H., Jang, K.M. and Chung, J.S., 2017. Selecting suitable sites for mountain ginseng (Panax ginseng) cultivation by using geographically weighted logistic regression. *Journal of Mountain Science*, 14(3), pp.492-500.

<https://link.springer.com/article/10.1007/s11629-016-4118-9>

Lee, H.J., Kim, E.J. and Lee, S.W., 2017. Examining spatial variation in the effects of Japanese red pine (*Pinus densiflora*) on burn severity using geographically weighted regression. *Sustainability*, 9(5), p.804.

<https://www.mdpi.com/2071-1050/9/5/804/htm>

Sattler, K., 2016. An Estimate of Alpine Permafrost Distribution in the Southern Alps. In *Periglacial Preconditioning of Debris Flows in the Southern Alps, New Zealand* (pp. 77-155). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-35074-5_4

Segovia, M.Q., Ruiz, S.C. and Drápela, K., 2016. Comparison of height-diameter models based on geographically weighted regressions and linear mixed modelling applied to large scale forest inventory data. *Forest systems*, 25(3), p.11.

<https://dialnet.unirioja.es/servlet/articulo?codigo=6240136>

Hu, X., Zhang, L., Ye, L., Lin, Y. and Qiu, R., 2017. Locating spatial variation in the association between road network and forest biomass carbon accumulation. *Ecological indicators*, 73, pp.214-223.

<https://www.sciencedirect.com/science/article/pii/S1470160X16305738>

- Wang, Z., Zhong, J., Lan, H., Wang, Z. and Sha, Z., 2017. Association analysis between spatiotemporal variation of net primary productivity and its driving factors in inner mongolia, china during 1994–2013. *Ecological Indicators*.
<https://www.sciencedirect.com/science/article/pii/S1470160X17307380>
- An, K.J., Lee, S.W., Hwang, S.J., Park, S.R. and Hwang, S.A., 2016. Exploring the non-stationary effects of forests and developed land within watersheds on biological indicators of streams using geographically-weighted regression. *Water*, 8(4), p.120.
<https://www.mdpi.com/2073-4441/8/4/120/htm>
- Benitez, F.L., Anderson, L.O. and Formaggio, A.R., 2016. Evaluation of geostatistical techniques to estimate the spatial distribution of aboveground biomass in the Amazon rainforest using high-resolution remote sensing data. *Acta Amazonica*, 46(2), pp.151-160.
http://www.scielo.br/scielo.php?pid=S0044-59672016000200151&script=sci_arttext
- Jusys, T., 2016. Fundamental causes and spatial heterogeneity of deforestation in Legal Amazon. *Applied Geography*, 75, pp.188-199.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622816303599>
- Xu, X., Wang, Z., Rahbek, C., Sanders, N.J. and Fang, J., 2016. Geographical variation in the importance of water and energy for oak diversity. *Journal of biogeography*, 43(2), pp.279-288.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jbi.12620>
- Temesgen, H., Gagliasso, D. and Hummel, S., 2014. A comparison of selected parametric and non-parametric imputation methods for estimating forest biomass and basal area.
<https://ir.library.oregonstate.edu/concern/defaults/tt44pn323>
- Comber, A. and Brunson, C., 2015. A spatial analysis of plant phenophase changes and the impact of increases in urban land use. *International Journal of Climatology*, 35(6), pp.972-980.
<https://rmets.onlinelibrary.wiley.com/doi/abs/10.1002/joc.4030>
- Naibbi, A. and Healey, R.G., 2014. Using geographically weighted regression to estimate the spatial patterns of fuelwood utilization in Nigeria. *American Journal of Geographic Information System*, 3(3), pp.109-121.
https://researchportal.port.ac.uk/portal/files/3534505/Using_Geographically_Weighted.pdf
- Liu, C., Zhang, L., Li, F. and Jin, X., 2014. Spatial modeling of the carbon stock of forest trees in Heilongjiang Province, China. *Journal of forestry research*, 25(2), pp.269-280.
<https://link.springer.com/article/10.1007/s11676-014-0458-x>
- Salvati, L., Biasi, R., Carlucci, M. and Ferrara, A., 2015. Forest transition and urban growth: exploring latent dynamics (1936–2006) in Rome, Italy, using a geographically weighted regression and implications for coastal forest conservation. *Rendiconti Lincei*, 26(3), pp.577-585.
<https://link.springer.com/article/10.1007/s12210-015-0378-5>

Lima-Ribeiro, M.D.S., Faleiro, F.V. and Silva, D.P., 2013. Current and historical climate signatures to deconstructed tree species richness pattern in South America. *Acta Scientiarum. Biological Sciences*, 35(2).

<https://www.redalyc.org/html/1871/187126298011/>

Mas, J.F., Cuevas, G., Reyes, A.A. and Guíza, F., Assessing Local Variations of Deforestation Processes in Mexico Using Geographically Weighted Regression.

https://icaci.org/files/documents/ICC_proceedings/ICC2013/_extendedAbstract/385_proceeding.pdf

Gil-Tena, A., Fortin, M.J., Brotons, L. and Saura, S., 2011. Forest avian species richness distribution and management guidelines under global change in Mediterranean landscapes. *Landscape Ecology in Forest Management and Conservation: Challenges and Solutions for Global Change*. Springer, Berlin, pp.231-251.

https://www.researchgate.net/profile/Mingfang_Zhang/publication/284490428_Research_Methods_for_Assessing_the_Impacts_of_Forest_Disturbance_on_Hydrology_at_Large-scale_Watersheds/links/587b7e1b08ae9a860fe9790c/Research-Methods-for-Assessing-the-Impacts-of-Forest-Disturbance-on-Hydrology-at-Large-scale-Watersheds.pdf#page=247

Appice, A., Ceci, M., Malerba, D. and Lanza, A., 2012. Learning and transferring geographically weighted regression trees across time. In *Modeling and Mining Ubiquitous Social Media* (pp. 97-117). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007/978-3-642-33684-3_6

Shrestha, Prasanna Man. "Comparison of ordinary least square regression, spatial autoregression, and geographically weighted regression for modeling forest structural attributes using a geographical information system (GIS)/remote sensing (RS) approach." PhD diss., Thesis. Canada: University of Calgary. http://people.ucalgary.ca/~mcdermid/Docs/Theses/Shrestha_2006.pdf (Accessed October 30, 2012), 2006.

https://scholar.google.co.uk/scholar?start=460&hl=en&as_sdt=0,3&scioldt=0,3&as_ylo=2003&as_yhi=2010&cites=7805256394129858799,11381246655346717021&scipsc=

Tiryana, T., Tatsuhara, S. and Shiraishi, N., 2010. Modeling spatial variation in stand volume of *Acacia mangium* plantations using geographically weighted regression.

http://formath.jp/publication/book/vol09/Vol9/Vol9_p103_122.pdf

Lu, J. and Zhang, L., 2012. Geographically local linear mixed models for tree height-diameter relationship. *Forest Science*, 58(1), pp.75-84.

<https://academic.oup.com/forestscience/article/58/1/75/4604202>

Gagliasso, D., Hummel, S. and Temesgen, H., 2014. A comparison of selected parametric and non-parametric imputation methods for estimating forest biomass and basal area. *Open Journal of Forestry*. 4 (1): 42-48, 4(1), pp.42-48.

<https://www.fs.usda.gov/treesearch/pubs/45818>

Barros, H.S. and Fearnside, P.M., 2016. Soil carbon stock changes due to edge effects in central Amazon forest fragments. *Forest Ecology and Management*, 379, pp.30-36.

<https://www.sciencedirect.com/science/article/pii/S0378112716304145>

Sheng, J., Han, X. and Zhou, H., 2017. Spatially varying patterns of afforestation/reforestation and socio-economic factors in China: a geographically weighted regression approach. *Journal of Cleaner Production*, 153, pp.362-371.

<https://www.sciencedirect.com/science/article/pii/S0959652616307326>

Wang, Q., Zhao, P., Ren, H. and Kakubari, Y., 2008. Spatiotemporal dynamics of forest net primary production in China over the past two decades. *Global and Planetary Change*, 61(3-4), pp.267-274.

<https://www.sciencedirect.com/science/article/pii/S0921818107001828>

Melles, S.J., 2009. Avian spatial responses to forest spatial heterogeneity at the landscape level: conceptual and statistical challenges. In *Real World Ecology* (pp. 137-160). Springer, New York, NY.

https://link.springer.com/chapter/10.1007/978-0-387-77942-3_6

Zhang, L., Ma, Z. and Guo, L., 2008. Spatially assessing model errors of four regression techniques for three types of forest stands. *Forestry*, 81(2), pp.209-225.

<https://academic.oup.com/forestry/article/81/2/209/565051>

Salas, C., Ene, L., Gregoire, T.G., Næsset, E. and Gobakken, T., 2010. Modelling tree diameter from airborne laser scanning derived variables: A comparison of spatial statistical models. *Remote Sensing of Environment*, 114(6), pp.1277-1285.

<https://www.sciencedirect.com/science/article/pii/S0034425710000519>

Zhang, L. and Shi, H., 2004. Local modeling of tree growth by geographically weighted regression. *Forest Science*, 50(2), pp.225-244.

<https://academic.oup.com/forestscience/article/50/2/225/4617554>

Chen, G., Zhao, K., McDermid, G.J. and Hay, G.J., 2012. The influence of sampling density on geographically weighted regression: a case study using forest canopy height and optical data. *International Journal of Remote Sensing*, 33(9), pp.2909-2924.

<https://www.tandfonline.com/doi/abs/10.1080/01431161.2011.624130>

Zhen, Z., Li, F., Liu, Z., Liu, C., Zhao, Y., Ma, Z. and Zhang, L., 2013. Geographically local modeling of occurrence, count, and volume of downwood in Northeast China. *Applied Geography*, 37, pp.114-126.

<https://www.sciencedirect.com/science/article/pii/S0143622812001282>

Martín-Queller, E., Gil-Tena, A. and Saura, S., 2011. Species richness of woody plants in the landscapes of Central Spain: the role of management disturbances, environment and non-stationarity. *Journal of vegetation science*, 22(2), pp.238-250.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1654-1103.2010.01242.x>

Cho, S.H., Jung, S. and Kim, S.G., 2009. Valuation of spatial configurations and forest types in the southern Appalachian highlands. *Environmental management*, 43(4), pp.628-644.

<https://link.springer.com/article/10.1007/s00267-008-9209-0>

Santos, F., Graw, V. and Bonilla, S., 2019. A geographically weighted random forest approach for evaluate forest change drivers in the Northern Ecuadorian Amazon. *Plos one*, 14(12), p.e0226224.

<https://doi.org/10.1371/journal.pone.0226224>

Pezzi, G., Donati, D., Muzzi, E., Conedera, M. and Krebs, P., 2020. Using chorographic sources to reconstruct past agro-forestry systems. A methodological approach based on the study case of the northern Apennines. *Landscape Research*, 45(3), pp.359-376.

<https://doi.org/10.1080/01426397.2019.1624700>

Paul, R. and Banerjee, K., 2020. Deforestation and forest fragmentation in the highlands of Eastern Ghats, India. *Journal of Forestry Research*, pp.1-12.

<https://link.springer.com/article/10.1007/s11676-020-01175-x>

Wang, S., Zhuang, Q., Jin, X., Yang, Z. and Liu, H., 2020. Predicting Soil Organic Carbon and Soil Nitrogen Stocks in Topsoil of Forest Ecosystems in Northeastern China Using Remote Sensing Data. *Remote Sensing*, 12(7), p.1115.

<https://doi.org/10.3390/rs12071115>

Ferrer Velasco, R., Köthke, M., Lippe, M. and Günter, S., 2020. Scale and context dependency of deforestation drivers: Insights from spatial econometrics in the tropics. *PloS one*, 15(1), p.e0226830.

<https://doi.org/10.1371/journal.pone.0226830>

Yan, H., Chen, L., Ge, Q., Tian, C. and Huang, J., 2020. Spatiotemporal Pattern and Aggregation Effects of Poplar Canker in Northeast China. *Forests*, 11(4), p.454.

<https://doi.org/10.3390/f11040454>

Magnussen, S. and Nord-Larsen, T., 2021. Forest inventory inference with spatial model strata. *Scandinavian Journal of Forest Research*, 36(1), pp.43-54.

<https://doi.org/10.1080/02827581.2020.1852309>

Zajícová, K. and Chuman, T., 2020. Spatial variability of forest floor and topsoil thicknesses and their relation to topography and forest stand characteristics in managed forests of Norway spruce and European beech. *European Journal of Forest Research*, pp.1-14.

<https://link.springer.com/article/10.1007/s10342-020-01316-1>

Morera, A., de Aragón, J.M., Bonet, J.A., Liang, J. and de-Miguel, S., 2021. Performance of statistical and machine learning-based methods for predicting biogeographical patterns of fungal productivity in forest ecosystems. *Forest Ecosystems*, 8(1), pp.1-14.

<https://link.springer.com/article/10.1186/s40663-021-00297-w>

Zhu, L., Jin, G., Zhang, X., Shi, R., La, Y. and Li, C., 2021. Integrating global land cover products to refine GlobeLand30 forest types: a case study of conterminous United States (CONUS). *International Journal of Remote Sensing*, 42(6), pp.2105-2130.
<https://doi.org/10.1080/01431161.2020.1851797>

Jourdan, M., Piedallu, C., Baudry, J., Defosse, E. and Morin, X., 2021. Tree diversity and the temporal stability of mountain forest productivity: testing the effect of species composition, through asynchrony and overyielding. *European Journal of Forest Research*, 140(2), pp.273-286.
<https://link.springer.com/article/10.1007/s10342-020-01329-w>

Jia, P., Shang, T., Zhang, J. and Sun, Y., 2021. Inversion of soil pH during the dry and wet seasons in the Yinbei region of Ningxia, China, based on multi-source remote sensing data. *Geoderma Regional*, 25, p.e00399.
<https://doi.org/10.1016/j.geodrs.2021.e00399>

Park, J.S., Lee, H., Choi, D. and Kim, Y., 2021. Spatially Varying Relationships between Alien Plant Distributions and Environmental Factors in South Korea. *Plants*, 10(7), p.1377.
<https://doi.org/10.3390/plants10071377>

Peng, Y., Bloomfield, K.J., Cernusak, L.A., Domingues, T.F. and Prentice, I.C., 2021. Global climate and nutrient controls of photosynthetic capacity. *Communications biology*, 4(1), pp.1-9.
<https://www.nature.com/articles/s42003-021-01985-7>

Samec, P., Volánek, J., Kučera, M. and Cudlín, P., 2021. Effect of Soil Diversity on Forest Plant Species Abundance: A Case Study from Central-European Highlands. *Forests*, 12(5), p.534.
<https://doi.org/10.3390/f12050534>

Dos Santos, A.M., da Silva, C.F.A., de Almeida Junior, P.M., Rudke, A.P. and de Melo, S.N., 2021. Deforestation drivers in the Brazilian Amazon: assessing new spatial predictors. *Journal of environmental management*, 294, p.113020.
<https://doi.org/10.1016/j.jenvman.2021.113020>

Jiang, F., Chen, C., Li, C., Kutia, M. and Sun, H., 2021. A Novel Spatial Simulation Method for Mapping the Urban Forest Carbon Density in Southern China by the Google Earth Engine. *Remote Sensing*, 13(14), p.2792.

<https://doi.org/10.3390/rs13142792>

Smart, L.S., Vukomanovic, J., Taillie, P.J., Singh, K.K. and Smith, J.W., 2021. Quantifying Drivers of Coastal Forest Carbon Decline Highlights Opportunities for Targeted Human Interventions. *Land*, 10(7), p.752.
<https://doi.org/10.3390/land10070752>

Geology:

Tutmez, B., Tercan, A.E., Kaymak, U. and Lloyd, C.D., 2009. Local Models for the Analysis of Spatially Varying Relationships in a Lignite Deposit. In *IFSA/EUSFLAT Conf.*(pp. 351-356). <https://pdfs.semanticscholar.org/7e05/0ca3a0a45054d9e75c22c9d573df2df077a9.pdf>

Cahalan, M.D. and Milewski, A.M., 2018. Sinkhole formation mechanisms and geostatistical-based prediction analysis in a mantled karst terrain. *Catena*, 165, pp.333-344. <https://www.sciencedirect.com/science/article/pii/S034181621830047X>

Cao, J., Ma, F., Guo, J., Lu, R. and Liu, G., 2019. Assessment of mining-related seabed subsidence using GIS spatial regression methods: a case study of the Sanshandao gold mine (Laizhou, Shandong Province, China). *Environmental Earth Sciences*, 78(1), p.26. <https://link.springer.com/article/10.1007/s12665-018-8022-1>

Gao, J., Zhang, Z., Hu, Y., Bian, J., Jiang, W., Wang, X., Sun, L. and Jiang, Q., 2014. Geographical distribution patterns of iodine in drinking-water and its associations with geological factors in Shandong Province, China. *International journal of environmental research and public health*, 11(5), pp.5431-5444. <https://www.mdpi.com/1660-4601/11/5/5431/htm>

Mills, R.B., Paterson, A.M., Lean, D.R., Smol, J.P., Mierle, G. and Blais, J.M., 2009. Dissecting the spatial scales of mercury accumulation in Ontario lake sediment. *Environmental pollution*, 157(11), pp.2949-2956. <https://www.sciencedirect.com/science/article/pii/S0269749109003108>

Cahalan, M.D., 2015. *Sinkhole formation dynamics and geostatistical-based prediction analysis in a mantled karst terrain* (Doctoral dissertation, University of Georgia). https://getd.libs.uga.edu/pdfs/cahalan_matthew_d_201512_ms.pdf

Nelson, A., Oberthür, T. and Cook, S., 2007. Multi-scale correlations between topography and vegetation in a hillside catchment of Honduras. *International Journal of Geographical Information Science*, 21(2), pp.145-174. https://www.tandfonline.com/doi/abs/10.1080/13658810600852263?casa_token=7ZRYflkYoZkAAAA:sgC-RlhZ4Mgq3dWcu2qNxmC1bDOjT8BsIqz-3izAciQZejGb9rPwzTStonqSQpREhIKQOMXirYmw

Jiang, W., Rao, P., Cao, R., Tang, Z. and Chen, K., 2017. Comparative evaluation of geological disaster susceptibility using multi-regression methods and spatial accuracy validation. *Journal of Geographical Sciences*, 27(4), pp.439-462. <https://link.springer.com/article/10.1007/s11442-017-1386-4>

Tian, M., Wang, X., Nie, L. and Zhang, C., 2018. Recognition of geochemical anomalies based on geographically weighted regression: A case study across the boundary areas of China and Mongolia. *Journal of Geochemical Exploration*, 190, pp.381-389.

<https://www.sciencedirect.com/science/article/pii/S037567421730626X>

Zhang, D., Ren, N. and Hou, X., 2018. An improved logistic regression model based on a spatially weighted technique (ILRBSWT v1. 0) and its application to mineral prospectivity mapping. *Geoscientific Model Development*, 11(6), p.2525.

<https://search.proquest.com/openview/35133b4a35b4ede33ba865b296ee42e2/1?pq-origsite=gscholar&cbl=105726>

Zhang, D., Cheng, Q. and Agterberg, F., 2017. Application of spatially weighted technology for mapping intermediate and felsic igneous rocks in Fujian Province, China. *Journal of Geochemical Exploration*, 178, pp.55-66.

<https://www.sciencedirect.com/science/article/pii/S0375674217302194>

Yan, Y., Thomas James, R., Miralles-Wilhelm, F. and Tang, W., 2014. Geographically weighted spatial modelling of sediment quality in Lake Okeechobee, Florida. *GIScience & remote sensing*, 51(4), pp.366-389.

https://www.tandfonline.com/doi/abs/10.1080/15481603.2014.929258?casa_token=0sE7HwIqw_dUAAAAA:t2rCotCapRAyNV3OdCQmYFt4t9EzRLK9y1xLw6hw9iAruT6JGXBuqUnP78L6ci_pfl01_ccmyWT4v2g

KARAMAN, M., ABDELNASSER, A., BUDAKOGLU, M., GEREDLI, S. and KUMRAL, M., Spatial REE geochemical modeling at Lake Acıgöl, Denizli, Turkey: Spatial interpolation and spatial correlation analytical approach.

http://www.bu.edu.eg/portal/uploads/Science/Geology/1399/publications/Amr%20Abd%20El-Nasser%20Ali%20Khalil_EAGE_2014_2.pdf

De Novellis, S., Pasculli, A. and Palermi, S., 2014. Innovative modeling methodology for mapping of radon potential based on local relationships between indoor radon measurements and environmental geology factors. *WIT Transactions on Information and Communication Technologies*, 47, pp.109-119.

<https://books.google.co.uk/books?hl=en&lr=&id=omODAwAAQBAJ&oi=fnd&pg=PA109&ots=jz6t-67gf0&sig=Cienb8EtHAN0epy00oUlfUSmfPI#v=onepage&q&f=false>

Coles, R.J., 2014. *The cross-sectional characteristics of glacial valleys and their spatial variability* (Doctoral dissertation, University of Sheffield).

<http://etheses.whiterose.ac.uk/5452/>

Budakoglu, M., Abdelnasser, A., Karaman, M. and Kumral, M., 2015. The rare earth element geochemistry on surface sediments, shallow cores and lithological units of Lake Acıgöl basin, Denizli, Turkey. *Journal of Asian Earth Sciences*, 111, pp.632-662.

<https://www.sciencedirect.com/science/article/pii/S1367912015003016>

Wang, H., Cheng, Q. and Zuo, R., 2015. Quantifying the spatial characteristics of geochemical patterns via GIS-based geographically weighted statistics. *Journal of Geochemical Exploration*, 157, pp.110-119.

<https://www.sciencedirect.com/science/article/pii/S0375674215300133>

Zhao, J., Wang, W. and Cheng, Q., 2013. Investigation of spatially non-stationary influences of tectono-magmatic processes on Fe mineralization in eastern Tianshan, China with geographically weighted regression. *Journal of Geochemical Exploration*, 134, pp.38-50.

<https://www.sciencedirect.com/science/article/pii/S0375674213001416>

Zhao, J., Wang, W. and Cheng, Q., 2014. Application of geographically weighted regression to identify spatially non-stationary relationships between Fe mineralization and its controlling factors in eastern Tianshan, China. *Ore Geology Reviews*, 57, pp.628-638.

<https://www.sciencedirect.com/science/article/pii/S0169136813001728>

Wang, W., Zhao, J., Cheng, Q. and Carranza, E.J.M., 2015. GIS-based mineral potential modeling by advanced spatial analytical methods in the southeastern Yunnan mineral district, China. *Ore Geology Reviews*, 71, pp.735-748.

<https://www.sciencedirect.com/science/article/pii/S0169136814002479>

Doctor, D.H. and Doctor, K.Z., 2012. Spatial analysis of geologic and hydrologic features relating to sinkhole occurrence in Jefferson County, West Virginia. *Carbonates and evaporites*, 27(2), pp.143-152.

<https://link.springer.com/article/10.1007/s13146-012-0098-1>

Kim, J.S., Baek, D., Seo, I.W. and Shin, J., 2019. Retrieving shallow stream bathymetry from UAV-assisted RGB imagery using a geospatial regression method. *Geomorphology*, 341, pp.102-114.

<https://doi.org/10.1016/j.geomorph.2019.05.016>

Bayramov, E., Buchroithner, M., Kada, M. and Bayramov, R., 2020. Quantitative assessment of ground deformation risks, controlling factors and movement trends for onshore petroleum and gas industry using satellite Radar remote sensing and spatial statistics. *Georisk: Assessment and Management of Risk for Engineered Systems and Geohazards*, pp.1-18.

<https://doi.org/10.1080/17499518.2020.1806334>

Huang, J., Mao, X., Chen, J., Deng, H., Dick, J.M. and Liu, Z., 2020. Exploring Spatially Non-stationary Relationships in the Determinants of Mineralization in 3D Geological Space. *Natural Resources Research*, 29(1), pp.439-458.

<https://link.springer.com/article/10.1007/s11053-019-09560-y>

Nelson, J.R. and Grubestic, T.H., 2019. Oil spill modeling: computational tools, analytical frameworks, and emerging technologies. *Progress in Physical Geography: Earth and Environment*, 43(1), pp.129-143.

<https://doi.org/10.1177/0309133318804977>

Sedighi, F., Darvishan, A.K. and Zare, M.R., 2021. Effect of watershed geomorphological characteristics on sediment redistribution. *Geomorphology*, 375, p.107559.

<https://doi.org/10.1016/j.geomorph.2020.107559>

Liu, F., Liu, X., Xu, T., Yang, G. and Zhao, Y., 2021. Driving Factors and Risk Assessment of Rainstorm Waterlogging in Urban Agglomeration Areas: A Case Study of the Guangdong-Hong Kong-Macao Greater Bay Area, China. *Water*, 13(6), p.770.

[https://doi.org/ 10.3390/w13060770](https://doi.org/10.3390/w13060770)

Shi, T., Hu, X., Guo, L., Su, F., Tu, W., Hu, Z., Liu, H., Yang, C., Wang, J., Zhang, J. and Wu, G., 2021. Digital mapping of zinc in urban topsoil using multisource geospatial data and random forest. *Science of The Total Environment*, p.148455.

<https://doi.org/10.1016/j.scitotenv.2021.148455>

Health:

Benjamin Neelon, S. E., Burgoine, T., Gallis, J. A., & Monsivais, P. (2017). Spatial analysis of food insecurity and obesity by area-level deprivation in children in early years settings in England. *Spatial and Spatio-Temporal Epidemiology*, 23, 1–9.

<https://doi.org/10.1016/j.sste.2017.07.001>

Chen, D.-R., & Wen, T.-H. (2010). Socio-spatial patterns of neighborhood effects on adult obesity in Taiwan: A multi-level model. *Social Science & Medicine*, 70(6), 823–833.

<https://doi.org/10.1016/j.socscimed.2009.11.030>

Chi, S.-H., Grigsby-Toussaint, D. S., Bradford, N., & Choi, J. (2013). Can Geographically Weighted Regression improve our contextual understanding of obesity in the US? Findings from the USDA Food Atlas. *Applied Geography*, 44, 134–142.

<https://doi.org/10.1016/j.apgeog.2013.07.017>

Faka, A., Chalkias, C., Georgousopoulou, E. N., Tripitsidis, A., Pitsavos, C., & Panagiotakos, D. B. (2019). Identifying determinants of obesity in Athens, Greece through global and local statistical models. *Spatial and Spatio-Temporal Epidemiology*, 29, 31–41.

<https://doi.org/10.1016/j.sste.2019.02.002>

Giuntella, O., & Stella, L. (2017). The Acceleration of Immigrant Unhealthy Assimilation. *Health Economics (United Kingdom)*, 26(4), 511–518.

<https://doi.org/10.1002/hec.3331>

Jun, H.-J., & Namgung, M. (2018). Gender Difference and Spatial Heterogeneity in Local Obesity. *International Journal of Environmental Research and Public Health*, 15(2), 311.

<https://doi.org/10.3390/ijerph15020311>

Procter, K. L., Clarke, G. P., Ransley, J. K., & Cade, J. (2008). Micro-level analysis of childhood obesity, diet, physical activity, residential socioeconomic and social capital variables: where are the obesogenic environments in Leeds? *Area*, 40(3), 323–340.

<https://doi.org/10.1111/j.1475-4762.2008.00822.x>

Shrestha, R., Mahabir, R., & Di, L. (2013). Healthy food accessibility and obesity: Case study of Pennsylvania, USA. *2013 Second International Conference on Agro-Geoinformatics (Agro-Geoinformatics)*, 329–333.

<https://doi.org/10.1109/Argo-Geoinformatics.2013.6621931>

Xu, Y., & Wang, L. (2015). GIS-based analysis of obesity and the built environment in the US. *Cartography and Geographic Information Science*, 42(1), 9–21.

<https://doi.org/10.1080/15230406.2014.965748>

Fraser, L.K., Clarke, G.P., Cade, J.E. and Edwards, K.L., 2012. Fast food and obesity: a spatial analysis in a large United Kingdom population of children aged 13–15. *American journal of preventive medicine*, 42(5), pp.e77-e85.

<https://www.sciencedirect.com/science/article/pii/S0749379712001298>

Sun, Y., Li, J., Jin, X., Xiao, H., He, Z., Su, S. and Weng, M., 2018. Intra-urban excessive alcohol drinking: geographic disparities, associated neighborhood characteristics and implications for healthy city planning. *Sustainable Cities and Society*.

<https://www.sciencedirect.com/science/article/pii/S2210670718321139>

Manyangadze, T., Chimbari, M.J., Macherera, M. and Mukaratirwa, S., 2017. Micro-spatial distribution of malaria cases and control strategies at ward level in Gwanda district, Matabeleland South, Zimbabwe. *Malaria journal*, 16(1), p.476.

<https://malariajournal.biomedcentral.com/articles/10.1186/s12936-017-2116-1>

Zhou, Y.B., Wang, Q.X., Liang, S., Gong, Y.H., Yang, M.X., Chen, Y., Nie, S.J., Nan, L., Yang, A.H., Liao, Q. and Yang, Y., 2015. Geographical variations in risk factors associated with HIV infection among drug users in a prefecture in Southwest China. *Infectious diseases of poverty*, 4(1), p.38.

<https://idpjournal.biomedcentral.com/articles/10.1186/s40249-015-0073-x>

Ford, M.M., Ivanina, E., Desai, P., Highfield, L., Qiao, B., Schymura, M.J. and Laraque, F., 2017. Geographic epidemiology of hepatocellular carcinoma, viral hepatitis, and socioeconomic position in New York City. *Cancer Causes & Control*, 28(7), pp.779-789.

<https://link.springer.com/article/10.1007/s10552-017-0897-8>

Lim, Y.R., Bae, H.J., Lim, Y.H., Yu, S., Kim, G.B. and Cho, Y.S., 2014. Spatial analysis of PM10 and cardiovascular mortality in the Seoul metropolitan area. *Environmental health and toxicology*, 29.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4152940/>

Weisent, J., Rohrbach, B. and Dunn, J.R., 2012. Socioeconomic determinants of geographic disparities in campylobacteriosis risk: a comparison of global and local modeling approaches. *International journal of health geographics*, 11(1), p.45.

<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/1476-072X-11-45>

Mainardi, S., 2012. Modelling spatial heterogeneity and anisotropy: child anaemia, sanitation and basic infrastructure in sub-Saharan Africa. *International Journal of Geographical Information Science*, 26(3), pp.387-411.

<https://www.tandfonline.com/doi/abs/10.1080/13658816.2011.585612>

Chan, T.C., Chiang, P.H., Su, M.D., Wang, H.W. and Liu, M.S.Y., 2014. Geographic disparity in chronic obstructive pulmonary disease (COPD) mortality rates among the Taiwan population. *PloS one*, 9(5), p.e98170.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0098170>

Lopez, D., Gunasekaran, M., Murugan, B.S., Kaur, H. and Abbas, K.M., 2014, October. Spatial big data analytics of influenza epidemic in Vellore, India. In *Big Data (Big Data), 2014 IEEE International Conference on* (pp. 19-24). IEEE.

<https://ieeexplore.ieee.org/abstract/document/7004422>

Purwaningsih, T. and Noraprilia, K., 2018, October. Cervical cancer model in Indonesia using geographically weighted regression (GWR). In *AIP Conference Proceedings* (Vol. 2026, No. 1, p. 020087). AIP Publishing.

<https://aip.scitation.org/doi/abs/10.1063/1.5065047>

Mumtaz, T. and Utomo, A.P., 2018. Modelling The Number of New Pulmonary Tuberculosis Cases with Geographically Weighted Negative Binomial Regression Method. *Indonesian Journal of Statistics and Its Applications*, 2(2), pp.77-92.

<http://journal.stats.id/index.php/ijsa/article/view/175>

Suroto, S., Otok, B.W., Suharto, S. and Wibowo, A., 2018. Geographically Weighted Regression to Predict the Prevalence of Hypertension Based on the Risk Factors in South Kalimantan. *CAUCHY*, 5(3), pp.140-149.

<http://ejournal.uin-malang.ac.id/index.php/Math/article/view/5879>

He, Z., Qin, X., Renger, R. and Souvannasacd, E., 2018. Using spatial regression methods to evaluate rural emergency medical services (EMS). *The American journal of emergency medicine*.

<https://www.sciencedirect.com/science/article/pii/S0735675718309380>

Kauhl, B., Maier, W., Schweikart, J., Keste, A. and Moskwyn, M., 2018. Exploring the small-scale spatial distribution of hypertension and its association to area deprivation based on health insurance claims in Northeastern Germany. *BMC public health*, 18(1), p.121.

<https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-017-5017-x>

Mansour, S., 2015. The Effects of Population Characteristics on Fertility Preferences in Eastern Delta Governorates, Egypt: A GIS Based of Spatial Local Modelling. *American Journal of Geographic Information System*, 4(3), pp.105-120.

<http://article.sapub.org/10.5923.j.ajgis.20150403.03.html>

Hare, T.S., 2015. Space–Time Patterns of Respiratory Cancer Incidence and Mortality: Kentucky, 1969–2011. *Papers in Applied Geography*, 1(4), pp.333-341.
<https://www.tandfonline.com/doi/abs/10.1080/23754931.2015.1012423>

Wardhani, N.S., Pramoedyo, H. and Dianati, Y.N., 2014. Food security and vulnerability modeling of East Java province based on Geographically Weighted Ordinal Logistic Regression Semiparametric (GWOLRS) model. *Journal of degraded and mining lands management*, 2(1), pp.231-234.
<https://jdmlm.uob.ac.id/index.php/jdmlm/article/view/90>

Chambers, R., Dreassi, E. and Salvati, N., 2013. Disease mapping via negative binomial M-quantile regression.
<https://ro.uow.edu.au/cssmwp/115/>

Dong, W., Li, X.E., Yang, P., Liao, H., Wang, X. and Wang, Q., 2016. The effects of weather factors on hand, foot and mouth disease in Beijing. *Scientific reports*, 6, p.19247.
<https://www.nature.com/articles/srep19247>

Wang, J.F., Liu, X., Christakos, G., Liao, Y.L., Gu, X. and Zheng, X.Y., 2010. Assessing local determinants of neural tube defects in the Heshun Region, Shanxi Province, China. *BMC public health*, 10(1), p.52.
<https://bmcpublihealth.biomedcentral.com/articles/10.1186/1471-2458-10-52>

Araújo, E.M.D., Costa, M.D.C.N., Oliveira, N.F.D., Santana, F.D.S., Barreto, M.L., Hogan, V. and Araújo, T.M.D., 2010. Spatial distribution of mortality by homicide and social inequalities according to race/skin color in an intra-urban Brazilian space. *Revista Brasileira de Epidemiologia*, 13, pp.549-560.
https://www.scielosp.org/scielo.php?pid=S1415-790X2010000400001&script=sci_arttext&tlng=es

Homan, T., Maire, N., Hiscox, A., Pasquale, A., Kiche, I., Onoka, K., Mweresa, C., Mukabana, W.R., Ross, A., Smith, T.A. and Takken, W., 2016. Spatially variable risk factors for malaria in a geographically heterogeneous landscape, western Kenya: an explorative study. *Malaria journal*, 15(1), p.1.
<https://malariajournal.biomedcentral.com/articles/10.1186/s12936-015-1044-1>

Lee, Y., Pennington-Gray, L. and Kim, J., 2019. Does location matter? Exploring the spatial patterns of food safety in a tourism destination. *Tourism Management*, 71, pp.18-33.
<https://www.sciencedirect.com/science/article/pii/S0261517718302243>

Weeks, J., Yang, X., Getis, A., Gadalla, S.M. and Hill, A.G., 2002. Spatial patterns as predictors of fertility change in rural Egypt. In *presentation at the 2002 Annual Meetings of the Population Association of America, Atlanta, Georgia* (Vol. 1).
http://geog.sdsu.edu/Research/Projects/IPC/publication/Spatial_Patterns_as_Predictors_of_Fertility_Change_in_Rural.pdf

- Li, Z., Fu, J., Jiang, D., Lin, G., Dong, D. and Yan, X., 2017. Spatiotemporal Distribution of U5MR and Their Relationship with Geographic and Socioeconomic Factors in China. *International journal of environmental research and public health*, 14(11), p.1428.
<https://www.mdpi.com/1660-4601/14/11/1428>
- Kuo, P.F., Shen, C.W. and Quadrifoglio, L., 2013. Modeling the Spatial Effects on Demand Estimation of Americans with Disabilities Act Paratransit Services. *Transportation Research Record*, 2352(1), pp.146-154.
<https://journals.sagepub.com/doi/abs/10.3141/2352-17>
- Mishra, S.V., 2015. Understanding needs and Ascribed Quality of life—through maternal factors—infant mortality dialectic. *Asian Geographer*, 32(1), pp.19-36.
<https://www.tandfonline.com/doi/abs/10.1080/10225706.2014.962551>
- Schooling, C.M., Kwok, M.K., Yau, C., Cowling, B.J., Lam, T.H. and Leung, G.M., 2011. Spatial proximity and childhood hospital admissions in a densely populated conurbation: Evidence from Hong Kong's 'Children of 1997' birth cohort. *Health & place*, 17(5), pp.1038-1043.
<https://www.sciencedirect.com/science/article/abs/pii/S1353829211001158>
- Liu, Y., Jiang, S., Liu, Y., Wang, R., Xiao, L.I., Yuan, Z., Wang, L. and Xue, F., 2011. Spatial epidemiology and spatial ecology study of worldwide drug-resistant tuberculosis. *International journal of health geographics*, 10(1), p.50.
<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/1476-072X-10-50>
- Renda, W., 2018. Social determinants of health and a grounded mixed-methods approach to explain declining life expectancy in Eastern Kentucky: 1980–2014.
<https://ir.library.louisville.edu/etd/3021/>
- Kitutu, J., Kayondo, L.M. and Musinguzi, M., 2018. Situation analysis of healthcare service delivery using geographically weighted regression:(A case study of Sironko District, Eastern Uganda). *South African Journal of Geomatics*, 7(1), pp.75-89.
<https://www.ajol.info/index.php/sajg/article/view/166161>
- Permai, S.D., Tanty, H. and Rahayu, A., 2016, October. Geographically weighted regression analysis for human development index. In *AIP Conference Proceedings* (Vol. 1775, No. 1, p. 030045). AIP Publishing.
<https://aip.scitation.org/doi/abs/10.1063/1.4965165>
- Han, Y., 2017. Medication Adherence Outcomes in Elderly Patients with Hypertension and Chronic Kidney Disease: a Geographical Approach.
<https://deepblue.lib.umich.edu/handle/2027.42/137046>
- Rinawan, F.R., Tateishi, R., Raksanagara, A.S., Agustian, D., Alsaaidh, B., Natalia, Y.A. and Raksanagara, A., 2015. Pitch and Flat Roof Factors' Association with Spatiotemporal Patterns of

Dengue Disease Analysed Using Pan-Sharpned Worldview 2 Imagery. *ISPRS International Journal of Geo-Information*, 4(4), pp.2586-2603.
<https://www.mdpi.com/2220-9964/4/4/2586/htm>

Wang, J., Cao, Z., Zeng, D.D., Wang, Q. and Wang, X., 2016, October. Assessment for spatial driving forces of HFMD prevalence in Beijing, China. In *Proceedings of the Second ACM SIGSPATIAL International Workshop on the Use of GIS in Emergency Management* (p. 6). ACM.
<https://dl.acm.org/citation.cfm?id=3017617>

Dwicaksono, A., Brissette, I., Birkhead, G.S., Bozlak, C.T. and Martin, E.G., 2018. Evaluating the contribution of the built environment on obesity among New York State students. *Health Education & Behavior*, 45(4), pp.480-491.
<https://journals.sagepub.com/doi/abs/10.1177/1090198117742440>

Pimentel, R., Lopes, D.J.H., Mexia, A.M.M. and Mumford, J.D., 2017. Validation of a geographic weighted regression analysis as a tool for area-wide integrated pest management programs for *Ceratitis capitata* Wiedemann (Diptera: Tephritidae) on Terceira Island, Azores. *International Journal of Pest Management*, 63(2), pp.172-184.
<https://www.tandfonline.com/doi/abs/10.1080/09670874.2016.1256512>

Yang, T.C. and Jensen, L., 2017. Climatic conditions and human mortality: spatial and regional variation in the United States. *Population and environment*, 38(3), pp.261-285.
<https://link.springer.com/article/10.1007/s11111-016-0262-y>

Brunton, L.A., Alexander, N., Wint, W., Ashton, A. and Broughan, J.M., 2017. Using geographically weighted regression to explore the spatially heterogeneous spread of bovine tuberculosis in England and Wales. *Stochastic Environmental Research and Risk Assessment*, 31(2), pp.339-352.
<https://link.springer.com/article/10.1007/s00477-016-1320-9>

Deng, G. and Mao, L., 2018. Spatially Explicit Age Segregation Index and Self-Rated Health of Older Adults in US Cities. *ISPRS International Journal of Geo-Information*, 7(9), p.351.
<https://www.mdpi.com/2220-9964/7/9/351>

Ribeiro, M.C. and Pereira, M.J., 2018. Modelling local uncertainty in relations between birth weight and air quality within an urban area: combining geographically weighted regression with geostatistical simulation. *Environmental Science and Pollution Research*, 25(26), pp.25942-25954.
<https://link.springer.com/article/10.1007/s11356-018-2614-x>

Lawson, F., Schuurman, N., Amram, O. and Nathens, A.B., 2015. A geospatial analysis of the relationship between neighbourhood socioeconomic status and adult severe injury in Greater Vancouver. *Injury prevention*, pp.injuryprev-2014.
<https://injuryprevention.bmj.com/content/21/4/260.short>

Amram, O., Shoveller, J., Hogg, R., Wang, L., Sereda, P., Barrios, R., Montaner, J. and Lima, V., 2018. Distance to HIV care and treatment adherence: Adjusting for socio-demographic and geographical heterogeneity. *Spatial and spatio-temporal epidemiology*, 27, pp.29-35.
<https://www.sciencedirect.com/science/article/abs/pii/S1877584517300710>

Rusk, A., Highfield, L., Wilkerson, J.M., Harrell, M., Obala, A. and Amick, B., 2016. Geographically-weighted regression of knowledge and behaviour determinants to anti-malarial recommending and dispensing practice among medicine retailers in western Kenya: capacitating targeted interventions. *Malaria journal*, 15(1), p.562.
<https://malariajournal.biomedcentral.com/articles/10.1186/s12936-016-1599-5>

Acharya, B.K., Cao, C., Lakes, T., Chen, W., Naeem, S. and Pandit, S., 2018. Modeling the spatially varying risk factors of dengue fever in Jhapa district, Nepal, using the semi-parametric geographically weighted regression model. *International journal of biometeorology*, 62(11), pp.1973-1986.
<https://link.springer.com/article/10.1007/s00484-018-1601-8>

Rodriguez, C. and Robinson, R., 2013. *Enhancing Dengue Fever Modeling Through a Multi-scale Analysis Framework—A Case Study in the Central Valley of Costa Rica* (Doctoral dissertation).
<https://digital.library.txstate.edu/handle/10877/4685>

Shahid, R., 2014. *Integrating Spatial Analysis and System Dynamics to Model Childhood Overweight and Obesity Prevalence* (Doctoral dissertation, University of Calgary).
<https://prism.ucalgary.ca/handle/11023/1528>

Govind, R., Garg, N. and Sun, W., 2014. Geographically Varying Effects of Weather on Tobacco Consumption: Implications for Health Marketing Initiatives. *Health marketing quarterly*, 31(1), pp.46-64.
<https://www.tandfonline.com/doi/abs/10.1080/07359683.2014.874854>

Guettabi, M. and Munasib, A., 2014. “Space Obesity”: The Effect of Remoteness on County Obesity. *Growth and Change*, 45(4), pp.518-548.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/grow.12061>

Román, M.D., Niclis, C., Tumas, N., del Pilar Díaz, M., Osella, A.R. and Muñoz, S.E., 2014. Tobacco smoking patterns and differential food effects on prostate and breast cancers among smokers and nonsmokers in Córdoba, Argentina. *European Journal of Cancer Prevention*, 23(4), pp.310-318.
https://journals.lww.com/eurjcancerprev/Abstract/2014/07000/Tobacco_smoking_patterns_and_differential_food.13.aspx

Tu, J., Tu, W. and Tedders, S.H., 2012. Spatial variations in the associations of birth weight with socioeconomic, environmental, and behavioral factors in Georgia, USA. *Applied Geography*, 34, pp.331-344.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622812000021>

Zhang, P., Wong, D.W., So, B.K. and Lin, H., 2012. An exploratory spatial analysis of western medical services in Republican Beijing. *Applied Geography*, 32(2), pp.556-565.

<https://www.sciencedirect.com/science/article/abs/pii/S014362281100138X>

Siordia, C., Saenz, J. and Tom, S.E., 2012. An introduction to macro-level spatial nonstationarity: a geographically weighted regression analysis of diabetes and poverty. *Human geographies*, 6(2), p.5.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4235967/>

Nakaya, T., Nakase, K. and Osaka, K., 2005. Spatio-temporal modelling of the HIV epidemic in Japan based on the national HIV/AIDS surveillance. *Journal of Geographical Systems*, 7(3-4), pp.313-336.

<https://link.springer.com/article/10.1007/s10109-005-0008-3>

Wen, T.H., Chen, D.R. and Tsai, M.J., 2010. Identifying geographical variations in poverty-obesity relationships: empirical evidence from Taiwan. *Geospatial Health*, 4(2), pp.257-265.

<https://www.geospatialhealth.net/index.php/gh/article/view/205>

Holt, J.B. and Lo, C.P., 2008. The geography of mortality in the Atlanta metropolitan area. *Computers, Environment and Urban Systems*, 32(2), pp.149-164.

<https://www.sciencedirect.com/science/article/pii/S0198971507000518>

Edwards, K.L. and Clarke, G.P., 2009. The design and validation of a spatial microsimulation model of obesogenic environments for children in Leeds, UK: SimObesity. *Social science & medicine*, 69(7), pp.1127-1134.

<https://www.sciencedirect.com/science/article/abs/pii/S0277953609004687>

Indrayani, F., Pramoedyo, H. and Iriany, A., 2018. Geographically and Temporally Weighted Regression Modeling in Analyzing Factors Affecting the Spread of Dengue Fever in Malang. *The Journal of Experimental Life Science*, 8(2).

<http://www.jels.ub.ac.id/index.php/jels/article/view/251>

Fonseca, O., Moya, V.M., de las Nieves Montano, D., Centelles, Y., Percedo, M.I. and Alfonso, P., 2018. Spatial modeling of oestrosis in sheep in Guantánamo province, Cuba. *Small Ruminant Research*, 164, pp.32-38.

<https://www.sciencedirect.com/science/article/pii/S0921448818300890>

Cardoso, D.O.D.L., 2018. *A geographically weighted regression approach to investigate air pollution effect on lung cancer: a case study* (Doctoral dissertation).

<https://run.unl.pt/handle/10362/48102>

Weber, A.V., 2018. Exploring Local Influences on Zika Virus Rates in Puerto Rico Utilizing Geographically Weighted Regression. *Papers in Applied Geography*, 4(1), pp.100-112.

<https://www.tandfonline.com/doi/abs/10.1080/23754931.2017.1401954>

Gibbons, J. and Yang, T.C., 2018. Searching for Silver Linings: Is Perceived Medical Discrimination Weaker in Segregated Areas?. *Applied spatial analysis and policy*, 11(1), pp.37-58.

<https://link.springer.com/article/10.1007/s12061-016-9211-5>

Zhen, Z., Cao, Q., Shao, L. and Zhang, L., 2018. Global and Geographically Weighted Quantile Regression for Modeling the Incident Rate of Children's Lead Poisoning in Syracuse, NY, USA. *International journal of environmental research and public health*, 15(10), p.2300.

<https://www.mdpi.com/1660-4601/15/10/2300>

Ha, H. and Tu, W., 2018. An ecological study on the spatially varying relationship between county-level suicide rates and altitude in the United States. *International journal of environmental research and public health*, 15(4), p.671.

<https://www.mdpi.com/1660-4601/15/4/671>

Han, X., Kant, S. and Xie, Y., 2018. A spatial hedonic stumpage analysis of standing timber auctions in Jiangxi Province of China. *Forest Policy and Economics*, 96, pp.63-74.

<https://www.sciencedirect.com/science/article/pii/S1389934118301801>

Yu, C.Y., Zhu, X. and Lee, C., 2018. Income and Racial Disparity and the Role of the Built Environment in Pedestrian Injuries. *Journal of Planning Education and Research*, p.0739456X18807759.

https://journals.sagepub.com/doi/abs/10.1177/0739456X18807759?casa_token=4PqLCGTNe5sAAAA:f8JY01khTFoF2tX63TFfmsV-5NO87lyVJI8hKP9m_hz85z9W8wtueL9ZRiof8teWQHAYNwVFQAI

Marek, L., Campbell, M., Epton, M., Kingham, S. and Storer, M., 2018. Winter Is Coming: A Socio-Environmental Monitoring and Spatiotemporal Modelling Approach for Better Understanding a Respiratory Disease. *ISPRS International Journal of Geo-Information*, 7(11), p.432.

<https://www.mdpi.com/2220-9964/7/11/432>

Mao, L., Yang, J. and Deng, G., 2018. Mapping rural–urban disparities in late-stage cancer with high-resolution rurality index and GWR. *Spatial and Spatio-temporal Epidemiology*, 26, pp.15-23.

<https://www.sciencedirect.com/science/article/pii/S1877584518300029>

Fei, X., Chen, W., Zhang, S., Liu, Q., Zhang, Z. and Pei, Q., 2018. The spatio-temporal distribution and risk factors of thyroid cancer during rapid urbanization—A case study in China. *Science of The Total Environment*, 630, pp.1436-1445.

<https://www.sciencedirect.com/science/article/pii/S0048969718307393>

Hanchette, C., Zhang, C. and Schwartz, G., 2018. Ovarian Cancer Incidence in the US and Toxic Emissions from Pulp and Paper Plants: A Geospatial Analysis. *International journal of environmental research and public health*, 15(8), p.1619.

<https://www.mdpi.com/1660-4601/15/8/1619>

- Yin, C., He, Q., Liu, Y., Chen, W. and Gao, Y., 2018. Inequality of public health and its role in spatial accessibility to medical facilities in China. *Applied Geography*, 92, pp.50-62.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622816308074>
- Liévanos, R., 2018. Impaired Water Hazard Zones: Mapping Intersecting Environmental Health Vulnerabilities and Polluter Disproportionality. *ISPRS International Journal of Geo-Information*, 7(11), p.433.
<https://www.mdpi.com/2220-9964/7/11/433>
- Bui, L.V., Mor, Z., Chemtob, D., Ha, S.T. and Levine, H., 2018. Use of Geographically Weighted Poisson Regression to examine the effect of distance on Tuberculosis incidence: A case study in Nam Dinh, Vietnam. *PloS one*, 13(11), p.e0207068.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0207068>
- Deng, Q., Wei, Y., Zhao, Y., Han, X. and Yin, J., 2018. Understanding the Natural and Socioeconomic Factors behind Regional Longevity in Guangxi, China: Is the Centenarian Ratio a Good Enough Indicator for Assessing the Longevity Phenomenon?. *International journal of environmental research and public health*, 15(5), p.938.
<https://www.mdpi.com/1660-4601/15/5/938/htm>
- Soler, I.P. and Gemar, G., 2018. Hedonic price models with geographically weighted regression: An application to hospitality. *Journal of Destination Marketing & Management*, 9, pp.126-137.
<https://www.sciencedirect.com/science/article/pii/S2212571X16300385>
- Francesco, R., Fabio, B., Roberto, F. and Leonardo, C., 2018. Geographical Relationship between Ungulates, Human Pressure and Territory. *Applied Spatial Analysis and Policy*, pp.1-24.
<https://link.springer.com/article/10.1007/s12061-018-9272-8>
- Ha, H., 2018. Using geographically weighted regression for social inequality analysis: association between mentally unhealthy days (MUDs) and socioeconomic status (SES) in US counties. *International journal of environmental health research*, pp.1-14.
<https://www.tandfonline.com/doi/abs/10.1080/09603123.2018.1521915>
- Morioka, N., Tomio, J., Seto, T., Yumoto, Y., Ogata, Y. and Kobayashi, Y., 2018. Association between local-level resources for home care and home deaths: A nationwide spatial analysis in Japan. *PloS one*, 13(8), p.e0201649.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0201649>
- Murillo, F.H.S., Chica-Olmo, J. and de Cortázar, A.R.G., 2018. The spatial heterogeneity of factors of femicide: The case of Antioquia-Colombia. *Applied Geography*, 92, pp.63-73.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622816307263>
- Mayfield, H.J., Lowry, J.H., Watson, C.H., Kama, M., Nilles, E.J. and Lau, C.L., 2018. Use of geographically weighted logistic regression to quantify spatial variation in the environmental and

sociodemographic drivers of leptospirosis in Fiji: a modelling study. *The lancet Planetary health*, 2(5), pp.e223-e232.

<https://www.sciencedirect.com/science/article/pii/S2542519618300664>

Chen, X., 2018. A Spatial and Temporal Analysis of the Socioeconomic Factors Associated with Breast Cancer in Illinois Using Geographically Weighted Generalized Linear Regression. *Journal of Geovisualization and Spatial Analysis*, 2(1), p.5.

<https://link.springer.com/article/10.1007/s41651-017-0011-5>

Cebrecos, A., Escobar, F., Borrell, L.N., Díez, J., Gullón, P., Sureda, X., Klein, O. and Franco, M., 2018. A multicomponent method assessing healthy cardiovascular urban environments: The Heart Healthy Hoods Index. *Health & place*.

<https://www.sciencedirect.com/science/article/abs/pii/S1353829218306701>

Feuillet, T., Commenges, H., Menai, M., Salze, P., Perchoux, C., Reuillon, R., Kesse-Guyot, E., Enaud, C., Nazare, J.A., Hercberg, S. and Simon, C., 2018. A massive geographically weighted regression model of walking-environment relationships. *Journal of Transport Geography*, 68, pp.118-129.

<https://www.sciencedirect.com/science/article/abs/pii/S0966692317306555>

McCord, M.J., MacIntyre, S., Bidanset, P., Lo, D. and Davis, P., 2018. Examining the spatial relationship between environmental health factors and house prices: NO2 problem?. *Journal of European Real Estate Research*, 11(3), pp.353-398.

<https://www.emeraldinsight.com/doi/abs/10.1108/JERER-01-2018-0008>

Tabb, L.P., McClure, L.A., Quick, H., Purtle, J. and Roux, A.V.D., 2018. Assessing the spatial heterogeneity in overall health across the United States using spatial regression methods: The contribution of health factors and county-level demographics. *Health & place*, 51, pp.68-77.

<https://www.sciencedirect.com/science/article/abs/pii/S1353829217308912>

Dong, G., Nakaya, T. and Brunson, C., 2018. Geographically weighted regression models for ordinal categorical response variables: An application to geo-referenced life satisfaction data. *Computers, Environment and Urban Systems*, 70, pp.35-42.

<https://www.sciencedirect.com/science/article/pii/S0198971517304283>

Lee, K.H., Dvorak, R.G., Schuett, M.A. and van Riper, C.J., 2017. Understanding spatial variation of physical inactivity across the continental United States. *Landscape and Urban Planning*, 168, pp.61-71.

<https://www.sciencedirect.com/science/article/pii/S0169204617302505>

Hutabarat, I.M., Saefuddin, A., Hardinsyah, H. and Djuraidah, A., 2016. Estimation of Percentage on Malnutrition Occurrences in East Java using Geographically Weighted Regression Model. *Makara Journal of Health Research*, pp.92-98.

<http://journal.ui.ac.id/index.php/health/article/viewArticle/5561>

An, R., Li, X. and Jiang, N., 2017. Geographical variations in the environmental determinants of physical inactivity among US adults. *International journal of environmental research and public health*, 14(11), p.1326.

<https://www.mdpi.com/1660-4601/14/11/1326>

Li, Y., Wang, J., Gao, M., Fang, L., Liu, C., Lyu, X., Bai, Y., Zhao, Q., Li, H., Yu, H. and Cao, W., 2017. Geographical Environment Factors and Risk Assessment of Tick-Borne Encephalitis in Hulunbuir, Northeastern China. *International journal of environmental research and public health*, 14(6), p.569.

<https://www.mdpi.com/1660-4601/14/6/569>

Evans, A. and Gray, E., Modelling Variation in Fertility Rates Using Geographically Weighted Regression. *Spatial Demography*, pp.1-20.

<https://link.springer.com/content/pdf/10.1007/s40980-017-0037-9.pdf>

Sarra, A.L. and Nissi, E., 2016. Geographically Weighted Regression Analysis of Cardiovascular Diseases: Evidence from Canada Health Data. In *Topics on Methodological and Applied Statistical Inference* (pp. 191-203). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-44093-4_18

Alves, A.T., Nobre, F.F. and Waller, L.A., 2016. Spatial and Spatio-temporal Epidemiology.

<https://core.ac.uk/download/pdf/82597800.pdf>

Feuillet, T., Salze, P., Charreire, H., Menai, M., Enaux, C., Perchoux, C., Hess, F., Kesse-Guyot, E., Hercberg, S., Simon, C. and Weber, C., Journal of Transport & Health.

https://www.researchgate.net/profile/Thierry_Feuillet/publication/291556096_Built_environment_in_local_relation_with_walking_Why_here_and_not_there/links/5ab8cf90a6fdcc46d3b89e7f/Built-environment-in-local-relation-with-walking-Why-here-and-not-there.pdf

Buck, K.D., 2016. Modelling of geographic cancer risk factor disparities in US counties. *Applied Geography*, 75, pp.28-35.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622816302855>

Feng, X., Sambamoorthi, U. and Wiener, R.C., 2017. Dental workforce availability and dental services utilization in Appalachia: a geospatial analysis. *Community dentistry and oral epidemiology*, 45(2), pp.145-152.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/cdoe.12270>

Hajarisman, N. and Karyana, Y., 2016. Geographic Modeling on The Infant Mortality Rate In West Java. *Mimbar: Jurnal Sosial dan Pembangunan*, 32(1), pp.194-205.

<https://www.neliti.com/publications/159647/geographic-modeling-on-the-infant-mortality-rate-in-west-java>

Marshall, V.D., Donohoe, J., Anderson, R.T. and Balkrishnan, R., 2016. Geographic disparities in adherence to adjuvant endocrine therapy in Appalachian women with breast cancer.

https://oraletumortherapie.ch/wp-content/uploads/Tan-et-al_2017_geographic-disparities-in-adherence-bc-2.pdf

Wang, D. and Chi, G., 2017. Different Places, Different Stories: A Study of Spatial Heterogeneity of County-Level Fertility in China. *Demographic research*, 37, p.493.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5868983/>

Octaviany, Toharudin, T. and Jaya, I.M., 2017, March. Geographically weighted poisson regression semiparametric on modeling of the number of tuberculosis cases (Case study: Bandung city). In *AIP Conference Proceedings* (Vol. 1827, No. 1, p. 020022). AIP Publishing.
<https://aip.scitation.org/doi/abs/10.1063/1.4979438>

Shao, L., Zhang, L. and Zhen, Z., 2017. Exploring spatially varying relationships between children's lead poisoning and environmental factors. *Annals of the New York Academy of Sciences*, 1404(1), pp.49-60.
<https://nyaspubs.onlinelibrary.wiley.com/doi/abs/10.1111/nyas.13453>

Domnich, A., Arata, L., Amicizia, D., Signori, A., Gasparini, R. and Panatto, D., 2016. Assessing spatial inequalities in accessing community pharmacies: a mixed geographically weighted approach. *Geospatial health*, 11(3).
<https://www.geospatialhealth.net/index.php/gh/article/view/457>

Astuti, H.N., Saputro, D.R.S. and Susanti, Y., 2017, June. Mixed geographically weighted regression (MGWR) model with weighted adaptive bi-square for case of dengue hemorrhagic fever (DHF) in Surakarta. In *Journal of Physics: Conference Series* (Vol. 855, No. 1, p. 012007). IOP Publishing.
<http://iopscience.iop.org/article/10.1088/1742-6596/855/1/012007/meta>

Ge, Liang, Youlin Zhao, Zhongjie Sheng, Ning Wang, Kui Zhou, Xiangming Mu, Liqiang Guo, Teng Wang, Zhanqiu Yang, and Xixiang Huo. "Construction of a Seasonal Difference-Geographically and Temporally Weighted Regression (SD-GTWR) Model and Comparative Analysis with GWR-Based Models for Hemorrhagic Fever with Renal Syndrome (HFRS) in Hubei Province (China)." *International journal of environmental research and public health* 13, no. 11 (2016): 1062.
<https://www.mdpi.com/1660-4601/13/11/1062/htm>

Goschin, Z. and Druica, E., 2017. Regional Factors Hindering Tuberculosis Spread In Romania. Evidence From A Semiparametric Gwr Model. *Journal of Social and Economic Statistics*, 6(1), pp.16-29.
https://www.researchgate.net/profile/Zizi_Goschin/publication/319753761_REGIONAL_FACTORS_HINDERING_TUBERCULOSIS_SPREAD_IN_ROMANIA_EVIDENCE_FROM_A_SEMIPARAMETRIC_GWR_MODEL/links/59bbaabda6fdcca8e561f475/REGIONAL-FACTORS-HINDERING-TUBERCULOSIS-SPREAD-IN-ROMANIA-EVIDENCE-FROM-A-SEMIPARAMETRIC-GWR-MODEL.pdf

Ren, H., Zheng, L., Li, Q., Yuan, W. and Lu, L., 2017. Exploring Determinants of Spatial Variations in the Dengue Fever Epidemic Using Geographically Weighted Regression Model: A Case Study in the Joint Guangzhou-Foshan Area, China, 2014. *International journal of environmental research and public health*, 14(12), p.1518.
<https://www.mdpi.com/1660-4601/14/12/1518>

Bascuñán, M.M. and Quezada, C.R., 2016. Geographically weighted regression for modelling the accessibility to the public hospital network in Concepción Metropolitan Area, Chile. *Geospatial Health*, 11(3).
<https://www.geospatialhealth.net/index.php/gh/article/view/451>

Ren, H., Cao, W., Chen, G., Yang, J., Liu, L., Wan, X. and Yang, G., 2016. Lung cancer mortality and topography: a Xuanwei case study. *International journal of environmental research and public health*, 13(5), p.473.
<https://www.mdpi.com/1660-4601/13/5/473/htm>

Jamhuri, J., Azhar, B.M.S., Puan, C.L. and Norizah, K., 2016, June. GWR-PM-Spatial variation relationship analysis with Geographically Weighted Regression (GWR)-An application at Peninsular Malaysia. In *IOP Conference Series: Earth and Environmental Science* (Vol. 37, No. 1, p. 012032). IOP Publishing.
<http://iopscience.iop.org/article/10.1088/1755-1315/37/1/012032/meta>

Hazrin, H., Fadhli, Y., Tahir, A., Safurah, J., Kamaliah, M.N. and Noraini, M.Y., 2013. Spatial patterns of health clinic in Malaysia. *Health*, 5(12), p.2104.
https://file.scirp.org/pdf/Health_2013122410445938.pdf

Ramadhan, R.F. and Kurniawan, R., 2017. Pemodelan Data Kematian Bayi dengan Geographically Weighted Negative Binomial Regression. *Media Statistika*, 9(2), pp.95-106.
https://ejournal.undip.ac.id/index.php/media_statistika/article/view/13130

Ye, H., Lee, S. and Kim, H., 2016. Effects of neighborhood characteristics on length of inpatient stay: Findings from the US national data. *Social work research*, 40(2), pp.117-126.
<https://academic.oup.com/swr/article-abstract/40/2/117/2426968>

Tsutsumida, N., Harris, P. and Comber, A., 2017. The Application of a Geographically Weighted Principal Component Analysis for Exploring Twenty-three Years of Goat Population Change across Mongolia. *Annals of the American Association of Geographers*, 107(5), pp.1060-1074.
https://www.tandfonline.com/doi/abs/10.1080/24694452.2017.1309968?casa_token=5ERSSPI32_MAAAAA:FLAw4XPjx4S2WclTwMnzos0yZyujuanZiDjEHXm8kyv56eveZJ76zqLpkIBOs1bkA2EjH70n7uBu

Christman, Z., Pruchno, R., Cromley, E., Wilson-Genderson, M. and Mir, I., 2016. A spatial analysis of body mass index and neighborhood factors in community-dwelling older men and women. *The International Journal of Aging and Human Development*, 83(1), pp.3-25.
<https://journals.sagepub.com/doi/abs/10.1177/0091415016645350>

Mattisson, K., Jakobsson, K., Håkansson, C. and Cromley, E., 2016. Spatial heterogeneity in repeated measures of perceived stress among car commuters in Scania, Sweden. *International journal of health geographics*, 15(1), p.22.

<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/s12942-016-0054-8>

Ingram, M.C. and Marchesini da Costa, M., 2017. A spatial analysis of homicide across Brazil's municipalities. *Homicide studies*, 21(2), pp.87-110.

https://journals.sagepub.com/doi/abs/10.1177/1088767916666603?casa_token=K4XDW7aq9IIA AAAA%3ArPI39xx_xhvSRApiM57HkFAwvn3O3-WwLPjQ1SG1qRurlDDNq-IJnShpsWIUewGvkv3DpK-8UpII

Kuo, C.C., Wardrop, N., Chang, C.T., Wang, H.C. and Atkinson, P.M., 2017. Significance of major international seaports in the distribution of murine typhus in Taiwan. *PLoS neglected tropical diseases*, 11(3), p.e0005430.

<https://journals.plos.org/plosntds/article?rev=2&id=10.1371/journal.pntd.0005430>

Tan, X., Camacho, F., Marshall, V.D., Donohoe, J., Anderson, R.T. and Balkrishnan, R., 2017. Geographic disparities in adherence to adjuvant endocrine therapy in Appalachian women with breast cancer. *Research in Social and Administrative Pharmacy*, 13(4), pp.796-810.

<https://www.sciencedirect.com/science/article/pii/S1551741116303564>

Duarte-Cunha, M., Almeida, A.S.D., Cunha, G.M.D. and Souza-Santos, R., 2016. Geographic weighted regression: applicability to epidemiological studies of leprosy. *Revista da Sociedade Brasileira de Medicina Tropical*, 49(1), pp.74-82.

http://www.scielo.br/scielo.php?pid=S0037-86822016000100074&script=sci_arttext

Song, W., Li, Y., Hao, Z., Li, H. and Wang, W., 2016. Public health in China: An environmental and socio-economic perspective. *Atmospheric Environment*, 129, pp.9-17.

<https://www.sciencedirect.com/science/article/pii/S1352231015305896>

Kala, A.K., Tiwari, C., Mikler, A.R. and Atkinson, S.F., 2017. A comparison of least squares regression and geographically weighted regression modeling of West Nile virus risk based on environmental parameters. *PeerJ*, 5, p.e3070.

<https://peerj.com/articles/3070/>

Ford, M.M. and Highfield, L.D., 2016. Exploring the spatial association between social deprivation and cardiovascular disease mortality at the neighborhood level. *PloS one*, 11(1), p.e0146085.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0146085>

Kauhl, B., Heil, J., Hoebe, C.J., Schweikart, J., Krafft, T. and Dukers-Muijers, N.H., 2017. Is the current pertussis incidence only the results of testing? A spatial and space-time analysis of pertussis surveillance data using cluster detection methods and geographically weighted regression modelling. *PloS one*, 12(3), p.e0172383.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0172383>

Wabiri, N., Shisana, O., Zuma, K. and Freeman, J., 2016. Assessing the spatial nonstationarity in relationship between local patterns of HIV infections and the covariates in South Africa: A geographically weighted regression analysis. *Spatial and spatio-temporal epidemiology*, 16, pp.88-99.

<https://www.sciencedirect.com/science/article/abs/pii/S1877584516000034>

Moise, I.K., Roy, S.S., Nkengurutse, D. and Ndikubagenzi, J., 2016. Seasonal and geographic variation of pediatric malaria in Burundi: 2011 to 2012. *International journal of environmental research and public health*, 13(4), p.425.

<https://www.mdpi.com/1660-4601/13/4/425>

Tsai, P.J. and Teng, H.J., 2016. Role of *Aedes aegypti* (Linnaeus) and *Aedes albopictus* (Skuse) in local dengue epidemics in Taiwan. *BMC infectious diseases*, 16(1), p.662.

<https://bmcinfectdis.biomedcentral.com/articles/10.1186/s12879-016-2002-4>

Wu, L., Deng, F., Xie, Z., Hu, S., Shen, S., Shi, J. and Liu, D., 2016. Spatial analysis of severe fever with thrombocytopenia syndrome virus in China using a geographically weighted logistic regression model. *International journal of environmental research and public health*, 13(11), p.1125.

<https://www.mdpi.com/1660-4601/13/11/1125>

Kerry, R., Goovaerts, P., Vowles, M. and Ingram, B., 2016. Spatial analysis of drug poisoning deaths in the American West, particularly Utah. *International Journal of Drug Policy*, 33, pp.44-55.

<https://www.sciencedirect.com/science/article/abs/pii/S0955395916301542>

Alves, A.T., Nobre, F.F. and Waller, L.A., 2016. Exploring spatial patterns in the associations between local AIDS incidence and socioeconomic and demographic variables in the state of Rio de Janeiro, Brazil. *Spatial and spatio-temporal epidemiology*, 17, pp.85-93.

<https://www.sciencedirect.com/science/article/pii/S1877584515300162>

Ge, Y., Song, Y., Wang, J., Liu, W., Ren, Z., Peng, J. and Lu, B., 2017. Geographically weighted regression-based determinants of malaria incidences in northern China. *Transactions in GIS*, 21(5), pp.934-953.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/tgis.12259>

Manyangadze, T., Chimbari, M.J., Gebreslasie, M. and Mukaratirwa, S., 2016. Risk factors and micro-geographical heterogeneity of *Schistosoma haematobium* in Ndumo area, uMkhanyakude district, KwaZulu-Natal, South Africa. *Acta tropica*, 159, pp.176-184.

<https://www.sciencedirect.com/science/article/abs/pii/S0001706X16301206>

Tu, J., Tu, W. and Tedders, S.H., 2016. Spatial variations in the associations of term birth weight with ambient air pollution in Georgia, USA. *Environment international*, 92, pp.146-156.

<https://www.sciencedirect.com/science/article/pii/S0160412016301350>

Bonilla Carrión, R.E. and Chavarría, J.B., 2014. MORTALITY AMONG YOUNG NICARAGUAN IMMIGRANTS TO COSTA RICA: AN APPLICATION OF GEOGRAPHICALLY WEIGHTED STATISTICAL REGRESSION. *Revista de Matemática: Teoría y Aplicaciones Vol. 21 Núm. 2 2014*.
<http://www.kerwa.ucr.ac.cr/handle/10669/13058>

Lee, K.S. and Kwon, H.J., 2015. Analyzing the geographic distribution of major medical equipment with smart geographic system. *The Journal of Supercomputing*, 71(6), pp.1996-2019.
<https://link.springer.com/article/10.1007/s11227-014-1218-6>

Miranti, I., Djuraidah, A. and Indahwati, I., 2015. Modeling of Malaria Prevalence in Indonesia with Geographically Weighted Regression. *Kes Mas: Jurnal Fakultas Kesehatan Masyarakat*, 9(2).
<http://www.journal.uad.ac.id/index.php/KesMas/article/view/2125>

Arumsari, N., Sutidjo SU, B. and Soedjono, E.S., 2014, March. Geographically weighted lasso (GWL) study for modeling the diarrheic to achieve open defecation free (ODF) target. In *AIP Conference Proceedings* (Vol. 1589, No. 1, pp. 361-368). AIP.
<https://aip.scitation.org/doi/abs/10.1063/1.4868819>

Aidi, M.N., Sumertajaya, I.M. and Yusuf, L.M., 2014. Geographical Weighted Regression with Kernel Gaussian Weighted Function in Life Expectancy Rate (Case Study: Life Expectancy Rate of Regencies/Cities in East Java Province). *International Journal of Statistics and Applications*, 4(3), pp.144-152.
<http://article.sapub.org/10.5923.j.statistics.20140403.02.html>

Fatimah, E.N., Sukarsa, I.K.G. and Susilawati, M., 2015. PEMODELAN RISIKO PENYAKIT PNEUMONIA PADA BALITA DI PROVINSI JAWA TIMUR DENGAN PENDEKATAN GEOGRAPHICALLY WEIGHTED LOGISTIC REGRESSION. *E-Jurnal Matematika*, 4(2), pp.31-36.
<https://ojs.unud.ac.id/index.php/mtk/article/view/13466>

Oliveira, A., Cabral, A.J., Mendes, J.M., Cabral, P. and Martins, M.R., 2015. Spatiotemporal analysis of the relationship between socioeconomic factors and stroke in the Portuguese mainland population under 65 years old. *Geospatial health*, 10(2).
<https://run.unl.pt/handle/10362/36941>

Morrissey, K., 2015. Exploring Spatial Variability in the Relationship between Long Term Limiting Illness and Area Level Deprivation at the City Level Using Geographically Weighted Regression. *AIMS public health*, 2(3), p.426.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5690243/>

Smith, L.T., 2014. Extreme hydrological events and their impacts on children's respiratory health in the Legal Amazon.
<https://ore.exeter.ac.uk/repository/handle/10871/15250>

- Tonda, T., Satoh, K. and Kamo, K.I., 2015. Detecting a local cohort effect for cancer mortality data using a varying coefficient model. *Journal of epidemiology*, 25(10), pp.639-646.
https://www.jstage.jst.go.jp/article/jea/25/10/25_JE20140218/article/-char/ja/
- Nikolova, S.P., Small, E. and Campillo, C., 2015. Geo-social and health disparities among persons with disabilities living in Monterrey, Nuevo Leon and Dallas, Texas. *Disability and health journal*, 8(3), pp.434-442.
<https://www.sciencedirect.com/science/article/pii/S1936657415000369>
- Medel, M. and Lu, Y., 2015. Illegal drug cultivation in Mexico: an examination of the environmental and human factors. *Cartography and Geographic Information Science*, 42(2), pp.190-204.
https://www.tandfonline.com/doi/abs/10.1080/15230406.2014.985716?casa_token=hS840zDe2dMAAAAA:rCC3zODPV48w0fT9nRA5ecGKuXjzr8TLxRzBKyKLeMPZ7HqjDb7cfzn4GZVzk-jqu-Z6LQyhViY5mw
- Yu, D., Morton, C.M. and Peterson, N.A., 2014. Community pharmacies and addictive products: sociodemographic predictors of accessibility from a mixed GWR perspective. *GIScience & remote sensing*, 51(1), pp.99-113.
https://www.tandfonline.com/doi/abs/10.1080/15481603.2014.886457?casa_token=ji8jP3IGk60AAAAA:dYSs8EI-FL2qE0wwPg-8P-9i_rQ-nWTyMoi3apTaQ1V7afP1fnx96NgjgL8lCNB4owhiaF25FZwH0g
- Park, S.Y. and Lee, K.S., 2014. The effect of the regional factors on the variation of suicide rates: Geographic Information System analysis approach.
<http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.1006.6187>
- Lee, J., Alnasrallah, M., Wong, D., Beaird, H. and Logue, E., 2014. Impacts of scale on geographic analysis of health data: an example of obesity prevalence. *ISPRS International Journal of Geo-Information*, 3(4), pp.1198-1210.
<https://www.mdpi.com/2220-9964/3/4/1198/htm>
- Jephcote, C., Ropkins, K. and Chen, H., 2014. The effect of socio-environmental mechanisms on deteriorating respiratory health across urban communities during childhood. *Applied Geography*, 51, pp.35-47.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622814000538>
- Grineski, S.E., Collins, T.W. and Olvera, H.A., 2015. Local variability in the impacts of residential particulate matter and pest exposure on children's wheezing severity: a geographically weighted regression analysis of environmental health justice. *Population and environment*, 37(1), pp.22-43.
<https://link.springer.com/article/10.1007/s11111-015-0230-y>
- Shahid, R. and Bertazzon, S., 2015. Local spatial analysis and dynamic simulation of childhood obesity and neighbourhood walkability in a major Canadian city. *AIMS public health*, 2(4), p.616.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5690431/>

Domnich, A., Arbuzova, E.K., Signori, A., Amicizia, D., Panatto, D. and Gasparini, R., 2014. Demand-based web surveillance of sexually transmitted infections in Russia. *International journal of public health*, 59(5), pp.841-849.

<https://link.springer.com/article/10.1007/s00038-014-0581-7>

Halimi, M., Farajzadeh, M., Delavari, M., Takhtardeshir, A. and Moradi, A., 2014. Modelling spatial relationship between climatic conditions and annual parasite incidence of malaria in southern part of Sistan&Balouchistan Province of Iran using spatial statistic models. *Asian Pacific Journal of Tropical Disease*, 4, pp.S167-S172.

https://www.researchgate.net/profile/Mahdi_Delavari3/publication/266950996_Modelling_spatial_relationship_between_climatic_conditions_and_annual_parasite_incidence_of_malaria_in_southern_part_of_SistanBalouchistan_Province_of_Iran_using_spatial_statistic_models/links/5573fea408ae7521586a7c09/Modelling-spatial-relationship-between-climatic-conditions-and-annual-parasite-incidence-of-malaria-in-southern-part-of-Sistan-Balouchistan-Province-of-Iran-using-spatial-statistic-models.pdf

Trgovac, A.B., Kedron, P.J. and Bagchi-Sen, S., 2015. Geographic variation in male suicide rates in the United States. *Applied Geography*, 62, pp.201-209.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622815000880>

Donohoe, J., Marshall, V., Tan, X., Camacho, F.T., Anderson, R. and Balkrishnan, R., 2015. Predicting Late-Stage Breast Cancer Diagnosis and Receipt of Adjuvant Therapy: Applying Current Spatial Access to Care Methods in Appalachia (Revised Version). *Medical care*, 53(11), p.980.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4610181/>

Yao, N., Foltz, S.M., Odisho, A.Y. and Wheeler, D.C., 2015. Geographic analysis of urologist density and prostate cancer mortality in the United States. *PloS one*, 10(6), p.e0131578.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0131578>

Shoff, C., Chen, V.Y.J. and Yang, T.C., 2014. When homogeneity meets heterogeneity: the geographically weighted regression with spatial lag approach to prenatal care utilization. *Geospatial health*, 8(2), p.557.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4117128/>

Dewan, A.M., Corner, R.J. and Hashizume, M., 2014. Modelling spatiotemporal patterns of typhoid cases between 2005 and 2009 using spatial statistics. In *Dhaka megacity* (pp. 345-365). Springer, Dordrecht.

https://link.springer.com/chapter/10.1007/978-94-007-6735-5_19

Vega-Corredor, M.C. and Opadeyi, J., 2014. Hydrology and public health: linking human leptospirosis and local hydrological dynamics in Trinidad, West Indies. *Earth Perspectives*, 1(1), p.3.

<https://link.springer.com/article/10.1186/2194-6434-1-3>

Xu, Y. and Wang, L., 2015. GIS-based analysis of obesity and the built environment in the US. *Cartography and Geographic Information Science*, 42(1), pp.9-21.

<https://www.tandfonline.com/doi/abs/10.1080/15230406.2014.965748>

Tsai, P.J. and Yeh, H.C., Scrub typhus islands in the Taiwan Area and the association between scrub typhus disease and forest land use and farm worker density: Geographically weighted regression.

<https://pdfs.semanticscholar.org/f89a/6f9f3837e88de6acc5c4d1196b6633f00ae9.pdf>

Soljak, M., 2011. Development and use of methods to estimate chronic disease prevalence in small populations.

<https://spiral.imperial.ac.uk/handle/10044/1/6862>

Black, N.C., 2011. Contextual Influences on Obesity Prevalence: A Spatially Explicit Analysis.

<https://etda.libraries.psu.edu/catalog/12361>

Mucciardi, M. and Bertuccelli, P., 2013. Modelling Spatial Variations of Fertility Rate in Italy. In *Classification and data mining* (pp. 251-259). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007/978-3-642-28894-4_30

Aviña, A., Tiwari, C., Williamson, P., Oppong, J. and Atkinson, S., 2011. A spatially explicit environmental health surveillance framework for tick-borne diseases. In *Geospatial Analysis of Environmental Health* (pp. 357-371). Springer, Dordrecht.

https://link.springer.com/chapter/10.1007/978-94-007-0329-2_18

Chen, C., Wang, Y., Wan, H. and Cheng, T., 2012, June. Determinations of low breast screening uptake using geographically weighted regression model. In *Geoinformatics (GEOINFORMATICS), 2012 20th International Conference on* (pp. 1-6). IEEE.

<https://ieeexplore.ieee.org/abstract/document/6270323>

Ngui, A.N. and Caron, J., 2012. Using geographically weighted regression to assess spatial distribution of mental health in an urban environment. *Advances in psychology research*, pp.167-86.

https://www.researchgate.net/profile/Ngui_Andre/publication/234136665_Using_Geographically_Weighted_Regression_to_Assess_Spatial_Distribution_of_Mental_Health_in_an_Urban_Environment/links/54d579940cf246475807a74c.pdf

Tsai, P.J., 2013. Scrub typhus and comparisons of four main ethnic communities in taiwan in 2004 versus 2008 using geographically weighted regression. *Global journal of health science*, 5(3), p.101.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4776805/>

Tsai, P.J., 2011. The analysis of geographically weighted regression pertaining to gastric cancer and Taiwanese ethnic communities. In *International conference on Environmental, Biomedical and Biotechnology*.

<https://pdfs.semanticscholar.org/ec30/4f6f75373a5482a01d0de0478dbf08514ef8.pdf>

Saefuddin, A., Saepudin, D. and Kusumaningrum, D., 2013. Geographically Weighted Poisson Regression (GWPR) for Analyzing The Malnutrition Data in Java-Indonesia.

<https://www.econstor.eu/handle/10419/124131>

Zhang, X., Tocque, K., Boothby, J., Cook, P., LI, M. and Li, M.S., 2008. Exploration of relationship between social status and mortality rates in england. *Neural Networks*.

https://www.science.mcmaster.ca/~igu-cmgs/publications/geocomputation/posters/Xin_et_al.pdf

Nkeki, F.N. and Osirike, A.B., 2013. GIS-based local spatial statistical model of cholera occurrence: using geographically weighted regression. *Journal of Geographic Information System*, 5(06), p.531.

<https://pdfs.semanticscholar.org/6bed/ecda57493afc6ec277a232f513bac8c053aa.pdf>

Yang, T.C., Shoff, C. and Matthews, S.A., 2013. Examining the spatially non-stationary associations between the second demographic transition and infant mortality: A Poisson GWR approach. *Spatial demography*, 1(1), pp.17-40.

<https://link.springer.com/article/10.1007/BF03354885>

Spray, A.L., Eddy, B., Hipp, J.A. and Iannotti, L., 2013. Spatial analysis of undernutrition of children in leogane Commune, Haiti. *Food and nutrition bulletin*, 34(4), pp.444-461.

<https://www.journals.sagepub.com/doi/abs/10.1177/156482651303400410>

Fannin, J.M. and Barnes, J.N., 2009. Spatial Model Specification for Contractual Arrangements between Rural Hospitals and Physicians. *Review of Regional Studies*, 39(2).

https://www.researchgate.net/profile/James_Barnes8/publication/254449502_Spatial_Model_Specification_for_Contractual_Arrangements_between_Rural_Hospitals_and_Physicians/links/5510589b0cf2ba84483d5d34/Spatial-Model-Specification-for-Contractual-Arrangements-between-Rural-Hospitals-and-Physicians.pdf

Lin, S. and Lu, Y., 2009. The spatial patterns of adverse health effects of ozone pollution on childhood respiratory diseases in urban Houston. *Annals of GIS*, 15(2), pp.127-140.

<https://www.tandfonline.com/doi/abs/10.1080/19475680903271133>

Ogneva-Himmelberger, Y., Rakshit, R. and Pearsall, H., 2013. Examining the impact of environmental factors on quality of life across Massachusetts. *The Professional Geographer*, 65(2), pp.187-204.

https://www.tandfonline.com/doi/abs/10.1080/00330124.2011.639631?casa_token=bN5RIaQqPTAAAAAA:ypFGORUqGiCrCVwputVVmvLIBnGmtA3JW8Tu2zO41TsVCU9f3aJkQxWwUgdNIXCvWmXwn7rZiXO

Tang, T. and Anderson, C., 2010, June. Spatial statistical modeling of the pollution impact of old industrial sites on colon and lung cancer incidents in New York State, USA. In *Geoinformatics, 2010 18th International Conference on* (pp. 1-4). IEEE.

<https://ieeexplore.ieee.org/abstract/document/5567611>

Wang, L., Li, Y., Li, H., Zhang, F., Rosenberg, M., Yang, L., Huang, J., Krafft, T. and Wang, W., 2014. A study of air pollutants influencing life expectancy and longevity from spatial perspective in China. *Science of the Total Environment*, 487, pp.57-64.
<https://www.sciencedirect.com/science/article/pii/S004896971400494X>

Yoo, D., 2012. Height and death in the Antebellum United States: A view through the lens of geographically weighted regression. *Economics & Human Biology*, 10(1), pp.43-53.
<https://doi.org/10.1016/j.ehb.2011.09.006>

Black, N.C., 2014. An ecological approach to understanding adult obesity prevalence in the United States: a county-level analysis using geographically weighted regression. *Applied Spatial Analysis and Policy*, 7(3), pp.283-299.
<https://link.springer.com/article/10.1007/s12061-014-9108-0>

Li, S., Ren, H., Hu, W., Lu, L., Xu, X., Zhuang, D. and Liu, Q., 2014. Spatiotemporal heterogeneity analysis of hemorrhagic Fever with renal syndrome in china using geographically weighted regression models. *International journal of environmental research and public health*, 11(12), pp.12129-12147.
<https://www.mdpi.com/1660-4601/11/12/12129/htm>

Leyk, S., Norlund, P.U. and Nuckols, J.R., 2012. Robust assessment of spatial non-stationarity in model associations related to pediatric mortality due to diarrheal disease in Brazil. *Spatial and spatio-temporal epidemiology*, 3(2), pp.95-105.
<https://www.sciencedirect.com/science/article/abs/pii/S1877584512000329>

Wubuli, A., Xue, F., Jiang, D., Yao, X., Upur, H. and Wushouer, Q., 2015. Socio-demographic predictors and distribution of pulmonary tuberculosis (TB) in Xinjiang, China: A spatial analysis. *PloS one*, 10(12), p.e0144010.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0144010>

Saib, M.S., Caudeville, J., Carre, F., Ganry, O., Trugeon, A. and Cicolella, A., 2014. Spatial relationship quantification between environmental, socioeconomic and health data at different geographic levels. *International journal of environmental research and public health*, 11(4), pp.3765-3786.
<https://www.mdpi.com/1660-4601/11/4/3765/htm>

Goovaerts, P., Xiao, H., Adunlin, G., Ali, A., Tan, F., Gwede, C.K. and Huang, Y., 2015. Geographically-weighted regression analysis of percentage of late-stage prostate cancer diagnosis in Florida. *Applied Geography*, 62, pp.191-200.
<https://www.sciencedirect.com/science/article/pii/S0143622815001010>

Dai, D., Zhang, Y., Lynch, C.A., Miller, T. and Shakir, M., 2013. Childhood drowning in Georgia: A geographic information system analysis. *Applied Geography*, 37, pp.11-22.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622812001075>

- Chen, V.Y.J. and Yang, T.C., 2012. SAS macro programs for geographically weighted generalized linear modeling with spatial point data: Applications to health research. *Computer methods and programs in biomedicine*, 107(2), pp.262-273.
<https://www.sciencedirect.com/science/article/pii/S0169260711002707>
- Delmelle, E., Hagenlocher, M., Kienberger, S. and Casas, I., 2016. A spatial model of socioeconomic and environmental determinants of dengue fever in Cali, Colombia. *Acta tropica*, 164, pp.169-176.
<https://www.sciencedirect.com/science/article/pii/S0001706X16306738>
- Tsai, P.J. and Yeh, H.C., 2013. Scrub typhus islands in the Taiwan area and the association between scrub typhus disease and forest land use and farmer population density: geographically weighted regression. *BMC infectious diseases*, 13(1), p.191.
<https://bmcinfectdis.biomedcentral.com/articles/10.1186/1471-2334-13-191>
- Su, S., Gong, Y., Tan, B., Pi, J., Weng, M. and Cai, Z., 2017. Area social deprivation and public health: Analyzing the spatial non-stationary associations using geographically weighed regression. *Social Indicators Research*, 133(3), pp.819-832.
<https://link.springer.com/article/10.1007/s11205-016-1390-6>
- Bagheri, N., Holt, A. and Benwell, G.L., 2009. Using geographically weighted regression to validate approaches for modelling accessibility to primary health care. *Applied Spatial Analysis and Policy*, 2(3), p.177.
<https://link.springer.com/article/10.1007/s12061-009-9021-0>
- Bhowmik, A.K., Alamdar, A., Katsoyiannis, I., Shen, H., Ali, N., Ali, S.M., Bokhari, H., Schäfer, R.B. and Eqani, S.A.M.A.S., 2015. Mapping human health risks from exposure to trace metal contamination of drinking water sources in Pakistan. *Science of the Total Environment*, 538, pp.306-316.
<https://www.sciencedirect.com/science/article/pii/S0048969715305726>
- You, W., Zang, Z., Zhang, L., Li, Z., Chen, D. and Zhang, G., 2015. Estimating ground-level PM10 concentration in northwestern China using geographically weighted regression based on satellite AOD combined with CALIPSO and MODIS fire count. *Remote Sensing of Environment*, 168, pp.276-285.
<https://www.sciencedirect.com/science/article/pii/S003442571530078X>
- Sun, W., Gong, J., Zhou, J., Zhao, Y., Tan, J., Ibrahim, A.N. and Zhou, Y., 2015. A spatial, social and environmental study of tuberculosis in China using statistical and GIS technology. *International journal of environmental research and public health*, 12(2), pp.1425-1448.
<https://www.mdpi.com/1660-4601/12/2/1425>
- Yang, T.C. and Matthews, S.A., 2012. Understanding the non-stationary associations between distrust of the health care system, health conditions, and self-rated health in the elderly: a geographically weighted regression approach. *Health & place*, 18(3), pp.576-585.

<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/s12942-015-0002-z>

Shoff, C., Yang, T.C. and Matthews, S.A., 2012. What has geography got to do with it? Using GWR to explore place-specific associations with prenatal care utilization. *GeoJournal*, 77(3), pp.331-341.

<https://link.springer.com/article/10.1007/s10708-010-9405-3>

Nakaya, T., Fotheringham, A.S., Brunson, C. and Charlton, M., 2005. Geographically weighted Poisson regression for disease association mapping. *Statistics in medicine*, 24(17), pp.2695-2717.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/sim.2129>

Graif, C. and Sampson, R.J., 2009. Spatial heterogeneity in the effects of immigration and diversity on neighborhood homicide rates. *Homicide studies*, 13(3), pp.242-260.

<https://journals.sagepub.com/doi/abs/10.1177/1088767909336728>

Comber, A.J., Brunson, C. and Radburn, R., 2011. A spatial analysis of variations in health access: linking geography, socio-economic status and access perceptions. *International journal of health geographics*, 10(1), p.44.

<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/1476-072X-10-44>

Gilbert, A. and Chakraborty, J., 2011. Using geographically weighted regression for environmental justice analysis: Cumulative cancer risks from air toxics in Florida. *Social Science Research*, 40(1), pp.273-286.

<https://www.sciencedirect.com/science/article/pii/S0049089X10001754>

Farrow, A., Larrea, C., Hyman, G. and Lema, G., 2005. Exploring the spatial variation of food poverty in Ecuador. *Food policy*, 30(5-6), pp.510-531.

<https://www.sciencedirect.com/science/article/pii/S0306919205000783>

Hu, M., Li, Z., Wang, J., Jia, L., Liao, Y., Lai, S., Guo, Y., Zhao, D. and Yang, W., 2012. Determinants of the incidence of hand, foot and mouth disease in China using geographically weighted regression models. *PloS one*, 7(6), p.e38978.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0038978>

Ricketts, T.C. and Holmes, G.M., 2007. Mortality and physician supply: does region hold the key to the paradox?. *Health services research*, 42(6p1), pp.2233-2251.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1475-6773.2007.00728.x>

Wimberly, M.C., Yabsley, M.J., Baer, A.D., Dugan, V.G. and Davidson, W.R., 2008. Spatial heterogeneity of climate and land-cover constraints on distributions of tick-borne pathogens. *Global Ecology and Biogeography*, 17(2), pp.189-202.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1466-8238.2007.00353.x>

Helbich, M., Leitner, M. and Kapusta, N.D., 2012. Geospatial examination of lithium in drinking water and suicide mortality. *International journal of health geographics*, 11(1), p.19.

<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/1476-072X-11-19>

Grillet, M.E., Barrera, R., Martínez, J.E., Berti, J. and Fortin, M.J., 2010. Disentangling the effect of local and global spatial variation on a mosquito-borne infection in a neotropical heterogeneous environment. *The American journal of tropical medicine and hygiene*, 82(2), pp.194-201.

<https://www.ajtmh.org/content/journals/10.4269/ajtmh.2010.09-0040>

Cheng, E.M., Atkinson, P.M. and Shahani, A.K., 2011. Elucidating the spatially varying relation between cervical cancer and socio-economic conditions in England. *International journal of health geographics*, 10(1), p.51.

<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/1476-072X-10-51>

Haque, U., Scott, L.M., Hashizume, M., Fisher, E., Haque, R., Yamamoto, T. and Glass, G.E., 2012. Modelling malaria treatment practices in Bangladesh using spatial statistics. *Malaria journal*, 11(1), p.63.

<https://malariajournal.biomedcentral.com/articles/10.1186/1475-2875-11-63>

Tian, N., Wilson, J. and Zhan, F., 2011. Spatial association of racial/ethnic disparities between late-stage diagnosis and mortality for female breast cancer: where to intervene?. *International Journal of Health Geographics*, 10(1), p.24.

<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/1476-072X-10-24>

Chen, V.Y.J., Wu, P.C., Yang, T.C. and Su, H.J., 2010. Examining non-stationary effects of social determinants on cardiovascular mortality after cold surges in Taiwan. *Science of the Total Environment*, 408(9), pp.2042-2049.

<https://www.sciencedirect.com/science/article/pii/S0048969709011590>

Chalkias, C., Papadopoulos, A.G., Kalogeropoulos, K., Tambalis, K., Psarra, G. and Sidossis, L., 2013. Geographical heterogeneity of the relationship between childhood obesity and socio-environmental status: Empirical evidence from Athens, Greece. *Applied Geography*, 37, pp.34-43.

<https://www.sciencedirect.com/science/article/pii/S0143622812001087>

Gebreab, S.Y. and Roux, A.V.D., 2012. Exploring racial disparities in CHD mortality between blacks and whites across the United States: a geographically weighted regression approach. *Health & place*, 18(5), pp.1006-1014.

<https://www.sciencedirect.com/science/article/pii/S135382921200113X>

Kauhl, B., Heil, J., Hoebe, C.J., Schweikart, J., Krafft, T. and Dukers-Muijers, N.H., 2015. The spatial distribution of hepatitis C virus infections and associated determinants—an application of a geographically weighted poisson regression for evidence-based screening interventions in hotspots. *PloS one*, 10(9), p.e0135656.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0135656>

Al-Ahmadi, K. and Al-Zahrani, A., 2013. Spatial autocorrelation of cancer incidence in Saudi Arabia. *International journal of environmental research and public health*, 10(12), pp.7207-7228.

<https://www.mdpi.com/1660-4601/10/12/7207/htm>

Chen, V.Y.J., Deng, W.S., Yang, T.C. and Matthews, S.A., 2012. Geographically weighted quantile regression (GWQR): An application to US mortality data. *Geographical Analysis*, 44(2), pp.134-150.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1538-4632.2012.00841.x>

Chen, D.R. and Truong, K., 2012. Using multilevel modeling and geographically weighted regression to identify spatial variations in the relationship between place-level disadvantages and obesity in Taiwan. *Applied Geography*, 32(2), pp.737-745.

<https://www.sciencedirect.com/science/article/pii/S0143622811001597>

Al-Ahmadi, K. and Al-Zahrani, A., 2013. NO₂ and cancer incidence in Saudi Arabia. *International journal of environmental research and public health*, 10(11), pp.5844-5862.

<https://www.mdpi.com/1660-4601/10/11/5844/htm>

Carrel, M., Escamilla, V., Messina, J., Giebultowicz, S., Winston, J., Yunus, M., Streatfield, P. and Emch, M., 2011. Diarrheal disease risk in rural Bangladesh decreases as tubewell density increases: a zero-inflated and geographically weighted analysis. *International journal of health geographics*, 10(1), p.41.

<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/1476-072X-10-41>

McKinley, J.M., Ofterdinger, U., Young, M., Barsby, A. and Gavin, A., 2013. Investigating local relationships between trace elements in soils and cancer data. *Spatial statistics*, 5, pp.25-41.

<https://www.sciencedirect.com/science/article/pii/S221167531300033X>

Oshan, T.M., Smith, J.P. and Fotheringham, A.S., 2020. Targeting the spatial context of obesity determinants via multiscale geographically weighted regression. *International Journal of Health Geographics*, 19, pp.1-17.

<https://doi.org/10.1186/s12942-020-00204-6>

Cardoso, D., Painho, M. and Roquette, R., 2019. A geographically weighted regression approach to investigate air pollution effect on lung cancer. *Geospatial Health*, 14(1), pp.35-45.

<https://doi.org/10.4081/gh.2019.701>

Zhang, D., Bai, K., Zhou, Y., Shi, R. and Ren, H., 2019. Estimating Ground-Level Concentrations of Multiple Air Pollutants and Their Health Impacts in the Huaihe River Basin in China. *International journal of environmental research and public health*, 16(4), p.579.

<https://doi.org/10.3390/ijerph16040579>

Hu, B., Qiu, W., Xu, C. and Wang, J., 2020. Integration of a Kalman filter in the geographically weighted regression for modeling the transmission of hand, foot and mouth disease. *BMC public health*, 20, pp.1-15.

<https://doi.org/10.1186/s12889-020-08607-7>

Raza, O., Mansournia, M.A., Foroushani, A.R. and Holakouie-Naieni, K., 2019. Geographically Weighted Regression Analysis: A Statistical Method to Account for Spatial Heterogeneity. *Archives of Iranian medicine*, 22(3), pp.155-160.

<http://www.aimjournal.ir/Article/aim-3740>

Shifti, D.M., Chojenta, C., Holliday, E.G. and Loxton, D., 2020. Application of geographically weighted regression analysis to assess predictors of short birth interval hot spots in Ethiopia. *PloS one*, 15(5), p.e0233790.

<https://doi.org/10.1371/journal.pone.0233790>

David, J. and Cabral, P., 2019. Modelling youth pregnancy in continental Portugal through geographically weighted regression. *Geospatial health*, 14(1), pp.128-138.

<https://doi.org/10.4081/gh.2019.680>

Zhang, Y., Liu, M., Wu, S.S., Jiang, H., Zhang, J., Wang, S., Ma, W., Li, Q., Ma, Y., Liu, Y. and Feng, W., 2019. Spatial distribution of tuberculosis and its association with meteorological factors in mainland China. *BMC infectious diseases*, 19(1), pp.1-7.

<https://doi.org/10.1186/s12879-019-4008-1>

Das, S., Li, J.J., Allston, A. and Kharfen, M., 2019. Planning area-specific prevention and intervention programs for HIV using spatial regression analysis. *Public health*, 169, pp.41-49.

<https://doi.org/10.1016/j.puhe.2019.01.009>

Kumarihamy, R.M.K. and Tripathi, N.K., 2019. Geostatistical predictive modeling for asthma and chronic obstructive pulmonary disease using socioeconomic and environmental determinants. *Environmental monitoring and assessment*, 191(2), p.366.

<https://link.springer.com/article/10.1007/s10661-019-7417-0>

Wang, L., Chen, R., Sun, W., Yang, X. and Li, X., 2020. Impact of High-Density Urban Built Environment on Chronic Obstructive Pulmonary Disease: A Case Study of Jing'an District, Shanghai. *International Journal of Environmental Research and Public Health*, 17(1), p.252.

<https://doi.org/10.3390/ijerph17010252>

Mohammadinia, A., Saeidian, B., Pradhan, B. and Ghaemi, Z., 2019. Prediction mapping of human leptospirosis using ANN, GWR, SVM and GLM approaches. *BMC infectious diseases*, 19(1), pp.1-18.

<https://bmcinfectdis.biomedcentral.com/articles/10.1186/s12879-019-4580-4>

Liu, S., Qin, Y. and Xu, Y., 2019. Inequality and Influencing Factors of Spatial Accessibility of Medical Facilities in Rural Areas of China: A Case Study of Henan Province. *International Journal of Environmental Research and Public Health*, 16(10), p.1833.

<https://doi.org/10.3390/ijerph16101833>

Gopal, S., Ma, Y., Xin, C., Pitts, J. and Were, L., 2019. Characterizing the spatial determinants and prevention of malaria in Kenya. *International journal of environmental research and public health*, 16(24), p.5078.

<https://doi.org/10.3390/ijerph16245078>

Teshale, A.B., Alem, A.Z., Yeshaw, Y., Kebede, S.A., Liyew, A.M., Tesema, G.A. and Agegnehu, C.D., 2020. Exploring spatial variations and factors associated with skilled birth attendant delivery in Ethiopia: geographically weighted regression and multilevel analysis. *BMC public health*, 20(1), pp.1-19.

<https://link.springer.com/article/10.1186/s12889-020-09550-3>

Ha, H. and Xu, Y., 2020. An ecological study on the spatially varying association between adult obesity rates and altitude in the United States: using geographically weighted regression. *International Journal of Environmental Health Research*, pp.1-13.

<https://doi.org/10.1080/09603123.2020.1821875>

Liu, F., Wang, J., Liu, J., Li, Y., Liu, D., Tong, J., Li, Z., Yu, D., Fan, Y., Bi, X. and Zhang, X., 2020. Predicting and analyzing the COVID-19 epidemic in China: Based on SEIRD, LSTM and GWR models. *Plos one*, 15(8), p.e0238280.

<https://doi.org/10.1371/journal.pone.0238280>

Qiu, G., Liu, X., Amiranti, A.Y., Yasini, M., Wu, T., Amer, S. and Jia, P., 2020. Geographic clustering and region-specific determinants of obesity in the Netherlands. *Geospatial health*, 15(1).

<https://doi.org/10.4081/gh.2020.839>

Mollalo, A., Vahedi, B. and Rivera, K.M., 2020. GIS-based spatial modeling of COVID-19 incidence rate in the continental United States. *Science of The Total Environment*, p.138884.

<https://doi.org/10.1016/j.scitotenv.2020.138884>

Shoff, C., Caines, K. and Pines, J.M., 2019. Geographic variation in predictors of ED admission rates in US medicare fee-for-service beneficiaries. *The American journal of emergency medicine*, 37(6), pp.1078-1084.

<https://doi.org/10.1016/j.ajem.2018.08.060>

Cromley, E.K., 2019. Using GIS to address epidemiologic research questions. *Current Epidemiology Reports*, 6(2), pp.162-173.

<https://link.springer.com/article/10.1007/s40471-019-00193-6>

Roquette, R., Painho, M. and Nunes, B., 2019. Geographical patterns of the incidence and mortality of colorectal cancer in mainland Portugal municipalities (2007–2011). *BMC cancer*, 19(1), pp.1-13.

<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-019-5719-9>

Zhou, S., Zhou, S., Liu, L., Zhang, M., Kang, M., Xiao, J. and Song, T., 2019. Examining the Effect of the Environment and Commuting Flow from/to Epidemic Areas on the Spread of Dengue Fever. *International Journal of Environmental Research and Public Health*, 16(24), p.5013.

<https://doi.org/10.3390/ijerph16245013>

Rostami, A.A., Isazadeh, M., Shahabi, M. and Nozari, H., 2019. Evaluation of geostatistical techniques and their hybrid in modelling of groundwater quality index in the Marand Plain in Iran. *Environmental Science and Pollution Research*, 26(34), pp.34993-35009.

<https://link.springer.com/article/10.1007/s11356-019-06591-z>

Wang, Q., Guo, L., Wang, J., Zhang, L., Zhu, W., Yuan, Y. and Li, J., 2019. Spatial distribution of tuberculosis and its socioeconomic influencing factors in mainland China 2013–2016. *Tropical Medicine & International Health*, 24(9), pp.1104-1113.

<https://doi.org/10.1111/tmi.13289>

Li, J., Guo, W., Ran, J., Tang, R., Lin, H., Chen, X., Ning, B., Li, J., Zhou, Y., Chen, L.C. and Tian, L., 2019. Five-year lung cancer mortality risk analysis and topography in Xuan Wei: a spatiotemporal correlation analysis. *BMC public health*, 19(1), p.173.

<https://link.springer.com/article/10.1186/s12889-019-6490-1>

Melaku, M.S., Nigatu, A.M. and Mewosha, W.Z., 2020. Spatial distribution of incomplete immunization among under-five children in Ethiopia: evidence from 2005, 2011, and 2016 Ethiopian Demographic and health survey data. *BMC Public Health*, 20(1), pp.1-22.

<https://link.springer.com/article/10.1186/s12889-020-09461-3>

de Oliveira Padilha, M.A., de Oliveira Melo, J., Romano, G., de Lima, M.V.M., Alonso, W.J., Sallum, M.A.M. and Laporta, G.Z., 2019. Comparison of malaria incidence rates and socioeconomic-environmental factors between the states of Acre and Rondônia: a spatio-temporal modelling study. *Malaria journal*, 18(1), pp.1-13.

<https://malariajournal.biomedcentral.com/articles/10.1186/s12936-019-2938-0>

Li, J., Jin, M. and Li, H., 2019. Exploring spatial influence of remotely sensed PM2.5 concentration using a developed deep convolutional neural network model. *International journal of environmental research and public health*, 16(3), p.454.

<https://doi.org/10.3390/ijerph16030454>

Sannigrahi, S., Pilla, F., Basu, B., Basu, A.S. and Molter, A., 2020. Examining the association between socio-demographic composition and COVID-19 fatalities in the European region using spatial regression approach. *Sustainable cities and society*, 62, p.102418.

<https://doi.org/10.1016/j.scs.2020.102418>

Ren, H., Wu, W., Li, T. and Yang, Z., 2019. Urban villages as transfer stations for dengue fever epidemic: A case study in the Guangzhou, China. *PLoS neglected tropical diseases*, 13(4), p.e0007350.

<https://doi.org/10.1371/journal.pntd.0007350>

Xiao, C., Jike, C., Liu, D., Jia, P., Xu, X., Xiao, L., Yu, G., Nan, L., Sun, X., Ge, J. and Wang, J., 2020. The changing modes of human immunodeficiency virus transmission and spatial variations among women in a minority prefecture in southwest China: An exploratory study. *Medicine*, 99(6).

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7015565/>

Vissocki, J.R., Ong, C.T., Andrade, L.D., Rocha, T.A.H., Silva, N.C.D., Poenaru, D., Smith, E.R., Rice, H.E. and Global Initiative for Children's Surgery, 2019. Disparities in surgical care for children across Brazil: Use of geospatial analysis. *PloS one*, 14(8), p.e0220959.

<https://doi.org/10.1371/journal.pone.0220959>

Chan, J., Polo, A., Zubizarreta, E., Bourque, J.M., Hanna, T.P., Gaudet, M., Dennis, K., Brundage, M., Slotman, B. and Abdel-Wahab, M., 2019. Access to radiotherapy and its association with cancer outcomes in a high-income country: Addressing the inequity in Canada. *Radiotherapy and Oncology*, 141, pp.48-55.

<https://doi.org/10.1016/j.radonc.2019.09.009>

Nyadanu, S.D., Pereira, G., Nawumbeni, D.N. and Adampah, T., 2019. Geo-visual integration of health outcomes and risk factors using excess risk and conditioned choropleth maps: a case study of malaria incidence and sociodemographic determinants in Ghana. *BMC public health*, 19(1), p.514.

<https://link.springer.com/article/10.1186/s12889-019-6816-z>

Rahnama, M.R. and Shaddel, L., 2019. Urban Green Space Is Spatially Associated with Cardiovascular Disease Occurrence in Women of Mashhad: a Spatial Analysis of Influential Factors on their Presence in Urban Green Spaces. *Journal of Urban Health*, 96(5), pp.653-668.

<https://link.springer.com/article/10.1007/s11524-019-00373-1>

Han, Y., Saran, R., Erickson, S.R., Hirth, R.A., He, K. and Balkrishnan, R., 2020. Environmental and individual predictors of medication adherence among elderly patients with hypertension and chronic kidney disease: a geospatial approach. *Research in Social and Administrative Pharmacy*, 16(3), pp.422-430.

<https://doi.org/10.1016/j.sapharm.2019.06.011>

Davies, S., Konings, P. and Lal, A., 2020. Spatial Analysis of the Neighborhood Risk Factors for Respiratory Health in the Australian Capital Territory (ACT): Implications for Emergency Planning. *International journal of environmental research and public health*, 17(17), p.6396.

<https://doi.org/10.3390/ijerph17176396>

Hur, K., Gibbons, J. and Finch, B.K., 2020. Geographic Heterogeneity in Otolaryngology Medicare New Patient Visits. *Otolaryngology–Head and Neck Surgery*, p.0194599820913495.

<https://doi.org/10.1177/0194599820913495>

Kerry, R., Goovaerts, P., Ingram, B. and Tereault, C., 2019. Spatial Analysis of Lung Cancer Mortality in the American West to Improve Allocation of Medical Resources. *Applied Spatial Analysis and Policy*, pp.1-28.

<https://link.springer.com/article/10.1007%2Fs12061-019-09331-5>

Fan, Z., Zhan, Q., Yang, C., Liu, H. and Zhan, M., 2020. How Did Distribution Patterns of Particulate Matter Air Pollution (PM_{2.5} and PM₁₀) Change in China during the COVID-19 Outbreak: A Spatiotemporal Investigation at Chinese City-Level. *International Journal of Environmental Research and Public Health*, 17(17), p.6274.

<https://doi.org/10.3390/ijerph17176274>

Chen, M., Creger, T., Howard, V., Judd, S.E., Harrington, K.F. and Fontaine, K.R., 2019. Association of community food environment and obesity among US adults: a geographical information system analysis. *J Epidemiol Community Health*, 73(2), pp.148-155.

<https://jech.bmj.com/content/73/2/148.abstract>

Yang, H., Pu, H., Wang, S., Ni, R. and Li, B., 2019. Inequality of female health and its relation with urbanization level in China: geographic variation perspective. *Environmental Science and Pollution Research*, 26(16), pp.16662-16673.

<https://link.springer.com/article/10.1007/s11356-019-04555-x>

Makanga, P.T., Sacoore, C., Schuurman, N., Lee, T., Vilanculo, F.C., Munguambe, K., Boene, H., Ukah, U.V., Vidler, M., Magee, L.A. and Sevene, E., 2019. Place-specific factors associated with adverse maternal and perinatal outcomes in southern Mozambique: a retrospective cohort study. *BMJ open*, 9(2), p.e024042.

<https://bmjopen.bmj.com/content/9/2/e024042.abstract>

Holmes, L.M., Llamas, J.D., Smith, D. and Ling, P.M., 2020. Drifting Tobacco Smoke Exposure among Young Adults in Multiunit Housing. *Journal of Community Health*, 45(2), pp.319-328.

<https://link.springer.com/article/10.1007/s10900-019-00743-5>

Mello-Sampayo, F.D., 2020. Spatial Interaction Model for Healthcare Accessibility: What Scale Has to Do with It. *Sustainability*, 12(10), p.4324.

<https://doi.org/10.3390/su12104324>

Rowe, G.C., 2020. Geographic Variance in Maryland's Potentially Preventable Emergency Visits: Comparison of Explanatory Models. *Western journal of nursing research*, 42(7), pp.503-513.

<https://doi.org/10.1177/0193945919867938>

Rahman, A.K.M., Islam, S.K., Sufian, M., Talukder, M., Ward, M.P. and Martínez-López, B., 2020. Foot-and-Mouth Disease Space-Time Clusters and Risk Factors in Cattle and Buffalo in Bangladesh. *Pathogens*, 9(6), p.423.

<https://doi.org/10.3390/pathogens9060423>

Gayawan, E. and Lateef, R.S., 2019. Estimating geographic variations in the determinants of attitude towards the practice of female genital mutilation in Nigeria. *Journal of biosocial science*, 51(5), pp.645-657.

<https://doi.org/10.1017/S0021932018000391>

Switchenko, J.M., Jennings, J.M. and Waller, L.A., 2020. Exploring spatially varying demographic associations with gonorrhoea incidence in Baltimore, Maryland, 2002–2005. *Journal of Geographical Systems*, 22(2), pp.201-216.

<https://link.springer.com/article/10.1007/s10109-020-00321-7>

Zhang, Y., Liu, Y., Pan, J., Zhang, Y., Liu, D., Chen, H., Wei, J., Zhang, Z. and Liu, Y., 2020. Exploring Spatially Non-Stationary and Scale-Dependent Responses of Ecosystem Services to Urbanization in Wuhan, China. *International Journal of Environmental Research and Public Health*, 17(9), p.2989.

<https://doi.org/10.3390/ijerph17092989>

Kim, J., Kang, H.Y., Lee, K.S., Min, S. and Shin, E., 2019. A Spatial Analysis of Preventable Hospitalization for Ambulatory Care Sensitive Conditions and Regional Characteristics in South Korea. *Asia Pacific Journal of Public Health*, 31(5), pp.422-432.

<https://doi.org/10.1177/1010539519858452>

Wende, D., 2019. Spatial risk adjustment between health insurances: using GWR in risk adjustment models to conserve incentives for service optimisation and reduce MAUP. *The European Journal of Health Economics*, 20(7), pp.1079-1091.

<https://link.springer.com/article/10.1007/s10198-019-01079-6>

Tolu, F., Palermo, M., Dore, M.P., Errigo, A., Canelada, A., Poulain, M. and Pes, G.M., 2019. Association of endemic goitre and exceptional longevity in Sardinia: evidence from an ecological study. *European Journal of Ageing*, 16(4), pp.405-414.

<https://link.springer.com/article/10.1007/s10433-019-00510-4>

Namgung, M., Gonzalez, B. and Park, S., 2019. The Role of Built Environment on Health of Older Adults in Korea: Obesity and Gender Differences. *International journal of environmental research and public health*, 16(18), p.3486.

<https://doi.org/10.3390/ijerph16183486>

Wu, J., Yang, S. and Zhang, X., 2019. Evaluation of the Fairness of Urban Lakes' Distribution Based on Spatialization of Population Data: A Case Study of Wuhan Urban Development Zone. *International Journal of Environmental Research and Public Health*, 16(24), p.4994.

<https://doi.org/10.3390/ijerph16244994>

Hu, B., Ning, P., Li, Y., Xu, C., Christakos, G. and Wang, J., 2020. Space-time disease mapping by combining Bayesian maximum entropy and Kalman filter: the BME-Kalman approach. *International Journal of Geographical Information Science*, pp.1-24.

<https://doi.org/10.1080/13658816.2020.1795177>

Akinyemi, Y.C., 2019. Exploring the spatio-temporal variation in diarrhoea prevalence in under-five children: the case of Nigeria, 1990–2013. *International journal of public health*, 64(8), pp.1183-1192.

<https://link.springer.com/article/10.1007/s00038-019-01285-2>

Nesoff, E.D., Branas, C.C. and Martins, S.S., 2020. The geographic distribution of fentanyl-involved overdose deaths in Cook County, Illinois. *American Journal of Public Health*, 110(1), pp.98-105.

<https://ajph.aphapublications.org/doi/abs/10.2105/AJPH.2019.305368>

Hertz, J.T., Fu, T., Vissoci, J.R., Rocha, T.A.H., Carvalho, E., Flanagan, B., de Andrade, L., Limkakeng, A.T. and Staton, C.A., 2019. The distribution of cardiac diagnostic testing for acute coronary syndrome in the Brazilian healthcare system: A national geospatial evaluation of health access. *PloS one*, 14(1), p.e0210502.

<https://doi.org/10.1371/journal.pone.0210502>

Liu, Y., Zhang, H., Li, J., Liang, C., Zhao, Y., Chen, F., Wang, D. and Pei, L., 2020. Geographical variations in maternal lifestyles during pregnancy associated with congenital heart defects among live births in Shaanxi province, Northwestern China. *Scientific reports*, 10(1), pp.1-10.

<https://www.nature.com/articles/s41598-020-69788-0>

Farley, S.M., Maroko, A.R., Suglia, S.F. and Thorpe, L.E., 2019. The Influence of Tobacco Retailer Density and Poverty on Tobacco Use in a Densely Populated Urban Environment. *Public Health Reports*, 134(2), pp.164-171.

<https://doi.org/10.1177/0033354918824330>

Guo, H., Li, W. and Wu, J., 2020. Ambient PM_{2.5} and annual lung cancer incidence: a nationwide study in 295 Chinese counties. *International Journal of Environmental Research and Public Health*, 17(5), p.1481.

<https://doi.org/10.3390/ijerph17051481>

Tegegne, T.K., Chojenta, C., Getachew, T., Smith, R. and Loxton, D., 2019. Antenatal care use in Ethiopia: a spatial and multilevel analysis. *BMC pregnancy and childbirth*, 19(1), p.399.

<https://link.springer.com/article/10.1186/s12884-019-2550-x>

Yuchi, W., Sbihi, H., Davies, H., Tamburic, L. and Brauer, M., 2020. Road proximity, air pollution, noise, green space and neurologic disease incidence: a population-based cohort study. *Environmental Health*, 19(1), p.8.

<https://link.springer.com/article/10.1186/s12940-020-0565-4>

Kim, D., 2019. Transportation contributing factors to asthma morbidity: the case of Los Angeles County. *International Journal of Urban Sciences*, 23(1), pp.16-29.

<https://doi.org/10.1080/12265934.2018.1500493>

Johnson, A.L., Abramson, M.J., Dennekamp, M., Williamson, G.J. and Guo, Y., 2020. Particulate matter modelling techniques for epidemiological studies of open biomass fire smoke exposure: a review. *Air Quality, Atmosphere & Health*, 13(1), pp.35-75.

<https://link.springer.com/article/10.1007/s11869-019-00771-z>

Kala, A.K., Atkinson, S.F. and Tiwari, C., 2020. Exploring the socio-economic and environmental components of infectious diseases using multivariate geovisualization: West Nile Virus. *PeerJ*, 8, p.e9577.

<https://peerj.com/articles/9577/>

Barrozo, L.V., Fornaciali, M., de André, C.D.S., Morais, G.A.Z., Mansur, G., Cabral-Miranda, W., de Miranda, M.J., Sato, J.R. and Amaro Júnior, E., 2020. GeoSES: A socioeconomic index for health and social research in Brazil. *PloS one*, 15(4), p.e0232074.

<https://doi.org/10.1371/journal.pone.0232074>

Zhao, Y., Ge, L., Liu, J., Liu, H., Yu, L., Wang, N., Zhou, Y. and Ding, X., 2019. Analyzing hemorrhagic fever with renal syndrome in Hubei Province, China: a space-time cube-based approach. *Journal of International Medical Research*, 47(7), pp.3371-3388.

<https://doi.org/10.1177/0300060519850734>

Dhewantara, P.W., Lau, C.L., Allan, K.J., Hu, W., Zhang, W., Mamun, A.A. and Soares Magalhaes, R.J., 2019. Spatial epidemiological approaches to inform leptospirosis surveillance and control: A systematic review and critical appraisal of methods. *Zoonoses and public health*, 66(2), pp.185-206.

<https://doi.org/10.1111/zph.12549>

Pourghasemi, H.R., Pouyan, S., Farajzadeh, Z., Sadhasivam, N., Heidari, B., Babaei, S. and Tiefenbacher, J.P., 2020. Assessment of the outbreak risk, mapping and infection behavior of COVID-19: Application of the autoregressive integrated-moving average (ARIMA) and polynomial models. *Plos one*, 15(7), p.e0236238.

<https://doi.org/10.1371/journal.pone.0236238>

Manda, S., Haushona, N. and Bergquist, R., 2020. A Scoping Review of Spatial Analysis Approaches Using Health Survey Data in Sub-Saharan Africa. *International journal of environmental research and public health*, 17(9), p.3070.

<https://doi.org/10.3390/ijerph17093070>

Li, W., Ali, E., El-Magd, A., Mourad, M.M. and El-Askary, H., 2019. Studying the impact on urban health over the greater delta region in Egypt due to aerosol variability using optical characteristics from satellite observations and ground-based AERONET measurements. *Remote Sensing*, 11(17), p.1998.

<https://doi.org/10.3390/rs11171998>

Pareyn, M., Rutten, A., Merdekios, B., Wedegärtner, R.E., Girma, N., Regelbrugge, L., Shibru, S. and Leirs, H., 2020. High-resolution habitat suitability model for *Phlebotomus pedifer*, the vector of cutaneous leishmaniasis in southwestern Ethiopia. *Parasites & vectors*, 13(1), pp.1-12.

<https://link.springer.com/article/10.1186/s13071-020-04336-3>

Carrasco-Escobar, G., Schwalb, A., Tello-Lizarraga, K., Vega-Guerovich, P. and Ugarte-Gil, C., 2020. Spatio-temporal co-occurrence of hotspots of tuberculosis, poverty and air pollution in Lima, Peru. *Infectious Diseases of Poverty*, 9, pp.1-6.

<https://idpjournals.biomedcentral.com/articles/10.1186/s40249-020-00647-w>

Wang, R., Yang, B., Liu, P., Zhang, J., Liu, Y., Yao, Y. and Lu, Y., 2020. The longitudinal relationship between exposure to air pollution and depression in older adults. *International Journal of Geriatric Psychiatry*, 35(6), pp.610-616.

<https://doi.org/10.1002/gps.5277>

Duan, C., Zhang, X., Jin, H., Cheng, X., Wang, D., Bao, C., Zhou, M., Ahmad, T. and Min, J., 2019. Meteorological factors and its association with hand, foot and mouth disease in Southeast and East Asia areas: a meta-analysis. *Epidemiology & Infection*, 147.

<https://doi.org/10.1017/S0950268818003035>

McAuliffe, E., Hamza, M., McDonnell, T., Nicholson, E., De Brún, A., Barrett, M., Brunson, C., Bury, G., Collins, C., Deasy, C. and Fitzsimons, J., 2020. Children's unscheduled primary and emergency care in Ireland: A multimethod approach to understanding decision making, trends, outcomes and parental perspectives (CUPID): Project protocol. *BMJ open*, 10(8), p.e036729.

<https://bmjopen.bmj.com/content/10/8/e036729.abstract>

Wang, J., Li, T., Lv, Y., Kraus, V.B., Zhang, Y., Mao, C., Yin, Z., Shi, W., Zhou, J., Zheng, T. and Kinney, P.L., 2020. Fine particulate matter and poor cognitive function among chinese older adults: Evidence from a community-based, 12-year prospective cohort study. *Environmental health perspectives*, 128(6), p.067013.

<https://doi.org/10.1289/EHP5304>

Defar, A., Okwaraji, Y.B., Tigabu, Z., Persson, L.Å. and Alemu, K., 2019. Geographic differences in maternal and child health care utilization in four Ethiopian regions; a cross-sectional study. *International journal for equity in health*, 18(1), p.173.

<https://link.springer.com/article/10.1186/s12939-019-1079-y>

Hocaoglu, M.B., Gurkas, S., Karaderi, T., Taneri, B., Erguler, K., Barin, B., Bilgin, E.M., Eralp, G., Allison, M., Findikli, N. and Boynukalin, K., 2019. Cyprus Women's Health Research (COHERE) initiative: determining the relative burden of women's health conditions and related co-morbidities in an Eastern Mediterranean population. *BMC women's health*, 19(1), p.50.

<https://bmcwomenshealth.biomedcentral.com/articles/10.1186/s12905-019-0750-1>

Zheng, L., Ren, H.Y., Shi, R.H. and Lu, L., 2019. Spatiotemporal characteristics and primary influencing factors of typical dengue fever epidemics in China. *Infectious diseases of poverty*, 8(1), p.24.

<https://link.springer.com/article/10.1186/s40249-019-0533-9>

Cui, C., Wang, B., Ren, H. and Wang, Z., 2019. Spatiotemporal Variations in Gastric Cancer Mortality and Their Relations to Influencing Factors in S County, China. *International journal of environmental research and public health*, 16(5), p.784.

<https://doi.org/10.3390/ijerph16050784>

Mahmood, S., Irshad, A., Nasir, J.M., Sharif, F. and Farooqi, S.H., 2019. Spatiotemporal analysis of dengue outbreaks in Samanabad town, Lahore metropolitan area, using geospatial techniques. *Environmental monitoring and assessment*, 191(2), p.55.

<https://link.springer.com/article/10.1007%2Fs10661-018-7162-9>

Yang, C., Sha, D., Liu, Q., Li, Y., Lan, H., Guan, W.W., Hu, T., Li, Z., Zhang, Z., Thompson, J.H. and Wang, Z., 2020. Taking the pulse of COVID-19: A spatiotemporal perspective. *International journal of digital earth*, 13(10), pp.1186-1211.

<https://doi.org/10.1080/17538947.2020.1809723>

Liang, B., Wang, Y. and Tsou, M.H., 2019. A “fitness” Theme May Mitigate Regional Prevalence of Overweight and Obesity: Evidence from Google Search and Tweets. *Journal of Health Communication*, 24(9), pp.683-692.

<https://doi.org/10.1080/10810730.2019.1657526>

Li, X., Zhou, L., Jia, T., Peng, R., Fu, X. and Zou, Y., 2020. Associating COVID-19 Severity with Urban Factors: A Case Study of Wuhan. *International Journal of Environmental Research and Public Health*, 17(18), p.6712.

<https://doi.org/10.3390/ijerph17186712>

Wang, S. and Wu, J., 2020. Spatial heterogeneity of the associations of economic and health care factors with infant mortality in China using geographically weighted regression and spatial clustering. *Social Science & Medicine*, 263, p.113287.

<https://doi.org/10.1016/j.socscimed.2020.113287>

Moise, I.K., 2020. Peer Reviewed: Variation in Risk of COVID-19 Infection and Predictors of Social Determinants of Health in Miami–Dade County, Florida. *Preventing chronic disease*, 17.

<https://doi.org/10.5888/pcd17.200358>

Urban, R.C. and Nakada, L.Y.K., 2020. GIS-based spatial modelling of COVID-19 death incidence in São Paulo, Brazil. *Environment and Urbanization*, p. 0956247820963962.

<https://doi.org/10.1177/0956247820963962>

Dangisso, M.H., Datiko, D.G. and Lindtjørn, B., 2020. Identifying geographical heterogeneity of pulmonary tuberculosis in southern Ethiopia: a method to identify clustering for targeted interventions. *Global health action*, 13(1), p.1785737.

<https://doi.org/10.1080/16549716.2020.1785737>

Mansour, S., Al Kindi, A., Al-Said, A., Al-Said, A. and Atkinson, P., 2021. Sociodemographic determinants of COVID-19 incidence rates in Oman: Geospatial modelling using multiscale geographically weighted regression (MGWR). *Sustainable cities and society*, 65, p.102627.

<https://doi.org/10.1016/j.scs.2020.102627>

Guo, B., Wang, Y., Pei, L., Yu, Y., Liu, F., Zhang, D., Wang, X., Su, Y., Zhang, D., Zhang, B. and Guo, H., 2021. Determining the effects of socioeconomic and environmental determinants on chronic obstructive pulmonary disease (COPD) mortality using geographically and temporally weighted regression model across Xi'an during 2014–2016. *Science of The Total Environment*, 756, p.143869.

<https://doi.org/10.1016/j.scitotenv.2020.143869>

Wang, Y., Zhao, C., Liu, Z. and Gao, D., 2021. Spatiotemporal Analysis of AIDS Incidence and Its Influencing Factors on the Chinese Mainland, 2005–2017. *International Journal of Environmental Research and Public Health*, 18(3), p.1043.

<https://doi.org/10.3390/ijerph18031043>

Wu, X., Yin, J., Li, C., Xiang, H., Lv, M. and Guo, Z., 2021. Natural and human environment interactively drive spread pattern of COVID-19: A city-level modeling study in China. *Science of The Total Environment*, 756, p.143343.

<https://doi.org/10.1016/j.scitotenv.2020.143343>

Morais, L., Lopes, A. and Nogueira, P., 2021. Human health outcomes at the neighbourhood scale implications: Elderly's heat-related cardiorespiratory mortality and its influencing factors. *Science of The Total Environment*, 760, p.144036.

<https://doi.org/10.1016/j.scitotenv.2020.144036>

Hassan, M.S., Bhuiyan, M.A.H., Tareq, F., Bodrud-Doza, M., Tanu, S.M. and Rabbani, K.A., 2021. Relationship between COVID-19 infection rates and air pollution, geo-meteorological, and social parameters. *Environmental Monitoring and Assessment*, 193(1), pp.1-20.

<https://link.springer.com/article/10.1007/s10661-020-08810-4>

Noorcintanami, S., Widyaningsih, Y. and Abdullah, S., 2021, January. Geographically weighted models for modelling the prevalence of tuberculosis in Java. In *Journal of Physics: Conference Series* (Vol. 1722, No. 1, p. 012089). IOP Publishing.

<https://iopscience.iop.org/article/10.1088/1742-6596/1722/1/012089/meta>

Han, Y., Yang, L., Jia, K., Li, J., Feng, S., Chen, W., Zhao, W. and Pereira, P., 2021. Spatial distribution characteristics of the COVID-19 pandemic in Beijing and its relationship with environmental factors. *Science of The Total Environment*, 761, p.144257.

<https://doi.org/10.1016/j.scitotenv.2020.144257>

Li, J., Jia, K., Liu, Y., Yuan, B., Xia, M. and Zhao, W., 2021. Spatiotemporal Distribution of Zika Virus and Its Spatially Heterogeneous Relationship with the Environment. *International Journal of Environmental Research and Public Health*, 18(1), p.290.

<https://doi.org/10.3390/ijerph18010290>

Luo, Y., Yan, J. and McClure, S., 2020. Distribution of the environmental and socioeconomic risk factors on COVID-19 death rate across continental USA: a spatial nonlinear analysis. *Environmental Science and Pollution Research*, pp.1-13.

<https://link.springer.com/article/10.1007/s11356-020-10962-2>

Weinstein, B., da Silva, A.R., Kouzoukas, D.E., Bose, T., Kim, G.J., Correa, P.A., Pondugula, S., Lee, Y., Kim, J. and Carpenter, D.O., 2021. Precision Mapping of COVID-19 Vulnerable Locales by Epidemiological and Socioeconomic Risk Factors, Developed Using South Korean Data. *International Journal of Environmental Research and Public Health*, 18(2), p.604.

<https://doi.org/10.3390/ijerph18020604>

Padilla, C.M., Foucault, A., Grimaud, O., Nowak, E. and Timsit, S., 2021. Gender difference of geographic distribution of the stroke incidence affected by socioeconomic, clinical and urban-rural factors: an ecological study based on data from the Brest stroke registry in France. *BMC Public Health*, 21(1), pp.1-10.

<https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-020-10026-7>

Horse, A.J.Y., Yang, T.C. and Huyser, K.R., 2021. Structural Inequalities Established the Architecture for COVID-19 Pandemic Among Native Americans in Arizona: a Geographically Weighted Regression Perspective. *Journal of racial and ethnic health disparities*, pp.1-11.

<https://link.springer.com/article/10.1007/s40615-020-00940-2>

Imran, M., Hamid, Y., Mazher, A. and Ahmad, S.R., 2021. Geo-spatially modelling dengue epidemics in urban cities: a case study of Lahore, Pakistan. *Geocarto International*, 36(2), pp.197-211.

<https://doi.org/10.1080/10106049.2019.1614100>

Shoff, C., Yang, T.C. and Kim, S., 2021. Rural/Urban Differences in the Predictors of Opioid Prescribing Rates Among Medicare Part D Beneficiaries 65 Years of Age and Older. *The Journal of Rural Health*, 37(1), pp.5-15.

<https://doi.org/10.1111/jrh.12497>

Islam, A., Sayeed, M.A., Rahman, M.K., Ferdous, J., Islam, S. and Hassan, M.M., Geospatial dynamics of COVID-19 clusters and hotspots in Bangladesh. *Transboundary and emerging diseases*.

<https://doi.org/10.1111/tbed.13973>

Zeng, P., Sun, Z., Chen, Y., Qiao, Z. and Cai, L., 2021. COVID-19: A Comparative Study of Population Aggregation Patterns in the Central Urban Area of Tianjin, China. *International Journal of Environmental Research and Public Health*, 18(4), p.2135.

<https://doi.org/10.3390/ijerph18042135>

Hong, Z., Mei, C., Wang, H. and Du, W., 2021. Spatiotemporal effects of climate factors on childhood hand, foot, and mouth disease: a case study using mixed geographically and temporally weighted regression models. *International Journal of Geographical Information Science*, pp.1-23.

<https://doi.org/10.1080/13658816.2021.1882681>

Li, C.Y., Chuang, Y.C., Chen, P.C., Chen, M.S., Lee, M.C., Ku, L.J.E. and Lee, C.B., 2021. Social Determinants of Diabetes-Related Preventable Hospitalization in Taiwan: A Spatial Analysis. *International journal of environmental research and public health*, 18(4), p.2146.
<https://doi.org/10.3390/ijerph18042146>

Cestari, V.R.F., Florêncio, R.S., Sousa, G.J.B., Garces, T.S., Maranhão, T.A., Castro, R.R., Cordeiro, L.I., Damasceno, L.L.V., Pessoa, V.L.M.D.P., Pereira, M.L.D. and Moreira, T.M.M., 2021. Social vulnerability and COVID-19 incidence in a Brazilian metropolis. *Ciência & Saúde Coletiva*, 26, pp.1023-1033.
<https://www.scielo.org/article/csc/2021.v26n3/1023-1033/en/>

Asri, A.K., Pan, W.C., Lee, H.Y., Su, H.J., Wu, C.D. and Spengler, J.D., 2021. Spatial patterns of lower respiratory tract infections and their association with fine particulate matter. *Scientific reports*, 11(1), pp.1-12.
<https://www.nature.com/articles/s41598-021-84435-y>

Liu, T., Yang, S., Peng, R. and Huang, D., 2021. A Geographically Weighted Regression Model for Health Improvement: Insights from the Extension of Life Expectancy in China. *Applied Sciences*, 11(5), p.2022.
<https://doi.org/10.3390/app11052022>

Huang, Q., Zhang, Y.Y., Chen, Q. and Ning, M., 2021. Does Air Pollution Decrease Labor Supply of the Rural Middle-Aged and Elderly?. *Sustainability*, 13(5), p.2906.
<https://doi.org/10.3390/su13052906>

Han, Y., Yang, L., Jia, K., Li, J., Feng, S., Chen, W., Zhao, W. and Pereira, P., 2021. Spatial distribution characteristics of the COVID-19 pandemic in Beijing and its relationship with environmental factors. *Science of The Total Environment*, 761, p.144257.
<https://doi.org/10.1016/j.scitotenv.2020.144257>

Urban, R.C. and Nakada, L.Y.K., 2020. GIS-based spatial modelling of COVID-19 death incidence in São Paulo, Brazil. *Environment and Urbanization*, p.0956247820963962.
<https://doi.org/10.1177/0956247820963962>

Bilgel, F., 2020. Infant mortality in Turkey: Causes and effects in a regional context. *Papers in Regional Science*.
<https://doi.org/10.1111/pirs.12576>

Yao, Y., Shi, W., Zhang, A., Liu, Z. and Luo, S., 2021. Examining the diffusion of coronavirus disease 2019 cases in a metropolis: a space syntax approach. *International journal of health geographics*, 20(1), pp.1-14.
<https://link.springer.com/article/10.1186/s12942-021-00270-4>

Li, S., Ma, S. and Zhang, J., 2021. Association of built environment attributes with the spread of COVID-19 at its initial stage in China. *Sustainable cities and society*, 67, p.102752.
<https://doi.org/10.1016/j.scs.2021.102752>

Fan, Z., Zhan, Q., Yang, C., Liu, H. and Zhan, M., 2020. How Did Distribution Patterns of Particulate Matter Air Pollution (PM_{2.5} and PM₁₀) Change in China during the COVID-19 Outbreak: A Spatiotemporal Investigation at Chinese City-Level. *International Journal of Environmental Research and Public Health*, 17(17), p.6274.
<https://doi.org/10.3390/ijerph17176274>

He, H., Shen, Y., Jiang, C., Li, T., Guo, M. and Yao, L., 2020. Spatiotemporal Big Data for PM_{2.5} Exposure and Health Risk Assessment during COVID-19. *International Journal of Environmental Research and Public Health*, 17(20), p.7664.
<https://doi.org/10.3390/ijerph17207664>

Maiti, A., Zhang, Q., Sannigrahi, S., Pramanik, S., Chakraborti, S., Cerda, A. and Pilla, F., 2021. Exploring spatiotemporal effects of the driving factors on COVID-19 incidences in the contiguous United States. *Sustainable cities and society*, 68, p.102784.
<https://doi.org/10.1016/j.scs.2021.102784>

Yang, D., Yang, A., Yang, J., Xu, R. and Qiu, H., 2021. Unprecedented migratory bird die-off: A citizen-based analysis on the spatiotemporal patterns of mass mortality events in the western United States. *GeoHealth*, 5(4), p.e2021GH000395.
<https://doi.org/10.1029/2021GH000395>

Alshaabi, T., Dewhurst, D.R., Bagrow, J.P., Dodds, P.S. and Danforth, C.M., 2021. The sociospatial factors of death: Analyzing effects of geospatially-distributed variables in a Bayesian mortality model for Hong Kong. *Plos one*, 16(3), p.e0247795.
<https://doi.org/10.1371/journal.pone.0247795>

Bediako, V.B., Boateng, E.N., Owusu, B.A. and Dickson, K.S., 2021. Multilevel geospatial analysis of factors associated with unskilled birth attendance in Ghana. *PloS one*, 16(6), p.e0253603.
<https://doi.org/10.1371/journal.pone.0253603>

Bilgel, F., 2021. Infant mortality in Turkey: Causes and effects in a regional context. *Papers in Regional Science*, 100(2), pp.429-453.
<https://doi.org/10.1111/pirs.12576>

Broomhead, T., Rodd, H.D., Baker, S.R., Jones, K., Davies, G., White, S., Wilcox, D., Allen, Z. and Marshman, Z., 2021. National patterns in paediatric hospital admissions for dental extractions in

England. *Community Dentistry and Oral Epidemiology*, 49(4), pp.322-329.

<https://doi.org/10.1111/cdoe.12603>

Cestari, V.R.F., Florêncio, R.S., Sousa, G.J.B., Garces, T.S., Maranhão, T.A., Castro, R.R., Cordeiro, L.I., Damasceno, L.L.V., Pessoa, V.L.M.D.P., Pereira, M.L.D. and Moreira, T.M.M., 2021. Social vulnerability and COVID-19 incidence in a Brazilian metropolis. *Ciência & Saúde Coletiva*, 26, pp.1023-1033.

<https://doi.org/10.1590/1413-81232021263.42372020>

Chen, Y., Chen, M., Huang, B., Wu, C. and Shi, W., 2021. Modeling the spatiotemporal association between COVID-19 transmission and population mobility using geographically and temporally weighted regression. *GeoHealth*, 5(5), p.e2021GH000402.

<https://doi.org/10.1029/2021GH000402>

Gao, F., Guhl, M., Boukebous, B. and Deguen, S., 2021. Efficiency of fine scale and spatial regression in modelling associations between healthcare service spatial accessibility and their utilization. *International Journal of Health Geographics*, 20(1), pp.1-19.

<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/s12942-021-00276-y>

Huang, X., Zhou, H., Yang, X., Zhou, W., Huang, J. and Yuan, Y., 2021. Spatial Characteristics of Coronavirus Disease 2019 and Their Possible Relationship with Environmental and Meteorological Factors in Hubei Province, China. *GeoHealth*, p.e2020GH000358.

<https://doi.org/10.1029/2020GH000358>

Kurji, J., Thickett, C., Bulcha, G., Taljaard, M., Li, Z. and Kulkarni, M.A., 2021. Spatial variability in factors influencing maternal health service use in Jimma Zone, Ethiopia: a geographically-weighted regression analysis. *BMC health services research*, 21(1), pp.1-14.

<https://bmchealthservres.biomedcentral.com/articles/10.1186/s12913-021-06379-3>

Lak, A., Sharifi, A., Badr, S., Zali, A., Maher, A., Mostafavi, E. and Khalili, D., 2021. Spatio-temporal Patterns of the COVID-19 Pandemic, and Place-based Influential Factors at the Neighborhood scale in Tehran. *Sustainable Cities and Society*, p.103034.

<https://doi.org/10.1016/j.scs.2021.103034>

Li, Z., Qiao, S., Jiang, Y. and Li, X., 2021. Building a social media-based HIV risk behavior index to inform the prediction of HIV new diagnosis: a feasibility study.

<https://doi.org/10.1097/QAD.0000000000002787>

Liu, M., Liu, M., Li, Z., Zhu, Y., Liu, Y., Wang, X., Tao, L. and Guo, X., 2021. The spatial clustering analysis of COVID-19 and its associated factors in mainland China at the prefecture level. *Science of The Total Environment*, 777, p.145992.

<https://doi.org/10.1016/j.scitotenv.2021.145992>

Middya, A.I. and Roy, S., 2021. Geographically varying relationships of COVID-19 mortality with different factors in India. *Scientific Reports*, 11(1), pp.1-12.

<https://www.nature.com/articles/s41598-021-86987-5>

Oinam, B., Anand, V. and RK, K., 2021. A geospatial based hotspot and regression analysis of abortion and stillbirth prevalence in Manipur, India. *Women & Health*, pp.1-10.

<https://doi.org/10.1080/03630242.2021.1942397>

Rahman, M.H., Zafri, N.M., Ashik, F.R., Waliullah, M. and Khan, A., 2021. Identification of risk factors contributing to COVID-19 incidence rates in Bangladesh: A GIS-based spatial modeling approach. *Heliyon*, 7(2), p.e06260.

<https://doi.org/10.1016/j.heliyon.2021.e06260>

Song, J., Yu, H. and Lu, Y., 2021. Spatial-scale dependent risk factors of heat-related mortality: a multiscale geographically weighted regression analysis. *Sustainable Cities and Society*, p.103159.

<https://doi.org/10.1016/j.scs.2021.103159>

Sun, J., Wu, S., Yan, Z., Li, Y., Yan, C., Zhang, F., Liu, R. and Du, Z., 2021. Using Geographically Weighted Regression to Study the Seasonal Influence of Potential Risk Factors on the Incidence of HFMD on the Chinese Mainland. *ISPRS International Journal of Geo-Information*, 10(7), p.448.

<https://doi.org/10.3390/ijgi10070448>

Tokey, A.I., 2021. Spatial association of mobility and COVID-19 infection rate in the USA: A county-level study using mobile phone location data. *Journal of Transport & Health*, p.101135.

<https://doi.org/10.1016/j.jth.2021.101135>

Urban, R.C. and Nakada, L.Y.K., 2021. GIS-based spatial modelling of COVID-19 death incidence in São Paulo, Brazil. *Environment and Urbanization*, 33(1), pp.229-238.

<https://doi.org/10.1177/0956247820963962>

Utami, I.U., Setiawan, I. and Daniaty, D., 2021. Modelling the number of HIV/AIDS in Central Sulawesi. In *Journal of Physics: Conference Series* (Vol. 1763, No. 1, p. 012046). IOP Publishing.

<https://iopscience.iop.org/article/10.1088/1742-6596/1763/1/012046>

Wang, Y. and Xu, Z., 2021. The scale boundary of urbanized population with peaking PM2. 5 concentration: a spatial panel econometric analysis of China's prefecture-level and above cities. *Journal of Environmental Planning and Management*, pp.1-24.

<https://doi.org/10.1080/09640568.2021.1879033>

Wang, B., Yuan, Q., Yang, Q., Zhu, L., Li, T. and Zhang, L., 2021. Estimate hourly PM_{2.5} concentrations from Himawari-8 TOA reflectance directly using geo-intelligent long short-term memory network. *Environmental Pollution*, 271, p.116327.
<https://doi.org/10.1016/j.envpol.2020.116327>

Razavi-Termeh, S.V., Sadeghi-Niaraki, A. and Choi, S.M., 2021. Coronavirus disease vulnerability map using a geographic information system (GIS) from 16 April to 16 May 2020. *Physics and Chemistry of the Earth, Parts A/B/C*, p.103043.
<https://doi.org/10.1016/j.pce.2021.103043>

Al Kindi, K.M., Al-Mawali, A., Akharusi, A., Alshukaili, D., Alnasiri, N., Al-Awadhi, T., Charabi, Y. and El Kenawy, A.M., 2021. Demographic and socioeconomic determinants of COVID-19 across Oman-A geospatial modelling approach. *Geospatial Health*, 16(1).
<https://doi.org/10.4081/gh.2021.985>

Rhew, S.H., Kravchenko, J. and Lysterly, H.K., 2021. Exposure to low-dose ambient fine particulate matter PM_{2.5} and Alzheimer's disease, non-Alzheimer's dementia, and Parkinson's disease in North Carolina. *PloS one*, 16(7), p.e0253253.
<https://doi.org/10.1371/journal.pone.0253253>

Zhang, N., Zhang, A., Wang, L. and Nie, P., 2021. Fine particulate matter and body weight status among older adults in China: Impacts and pathways. *Health & Place*, 69, p.102571.
<https://doi.org/10.1016/j.healthplace.2021.102571>

Zhang, H., Liu, Y., Chen, F., Mi, B., Zeng, L. and Pei, L., 2021. The effect of sociodemographic factors on COVID-19 incidence of 342 cities in China: a geographically weighted regression model analysis. *BMC Infectious Diseases*, 21(1), pp.1-8.
<https://link.springer.com/article/10.1186/s12879-021-06128-1>

Zhao, C., Fang, X., Feng, Y., Fang, X., He, J. and Pan, H., 2021. Emerging role of air pollution and meteorological parameters in COVID-19. *Journal of Evidence-Based Medicine*.
<https://doi.org/10.1111/jebm.12430>

Rusgiyono, A. and Prahutama, A., GEOGRAPHICALLY WEIGHTED PANEL REGRESSION WITH FIXED EFFECT FOR MODELING THE NUMBER OF INFANT MORTALITY IN CENTRAL JAVA, INDONESIA. *MEDIA STATISTIKA*, 14(1), pp.10-20.
<https://doi.org/10.14710/medstat.14.1.10-20>

Zhang, J., Wu, X. and Chow, T.E., 2021. Space-Time Cluster's Detection and Geographical Weighted Regression Analysis of COVID-19 Mortality on Texas Counties. *International Journal of Environmental Research and Public Health*, 18(11), p.5541.
<https://doi.org/10.3390/ijerph18115541>

Zheng, Y., Wen, X., Bian, J., Lipkind, H. and Hu, H., 2021. Associations between the chemical composition of PM_{2.5} and gestational diabetes mellitus. *Environmental Research*, 198, p.110470.
<https://doi.org/10.1016/j.envres.2020.110470>

Land Use:

Li, X., Wu, P., Guo, F. and Hu, X., 2021. A geographically weighted regression approach to detect divergent changes in the vegetation activity along the elevation gradients over the last 20 years. *Forest Ecology and Management*, 490, p.119089.
<https://doi.org/10.1016/j.foreco.2021.119089>

Thapa, R.B. and Murayama, Y., 2009. Land use change factors in Kathmandu valley: A GWR approach. In *Proceedings of the 10th international conference on geocomputation* (pp. 255-260).
https://www.researchgate.net/profile/Rajesh_Thapa2/publication/237691731_Land_Use_Change_Factors_in_Kathmandu_Valley_A_GWR_Approach/links/542f4f4c0cf277d58e91f042.pdf

Cao, X., Liu, Y., Li, T. and Liao, W., 2019. Analysis of Spatial Pattern Evolution and Influencing Factors of Regional Land Use Efficiency in China Based on ESDA-GWR. *Scientific reports*, 9(1), p.520.
<https://www.nature.com/articles/s41598-018-36368-2>

Pereira, O., Melfi, A., Montes, C. and Lucas, Y., 2018. Downscaling of ASTER thermal images based on geographically weighted regression kriging. *Remote Sensing*, 10(4), p.633.
<https://www.mdpi.com/2072-4292/10/4/633>

Peng, M., Chen, D., Ma, Y. and Meng, C., 2017, August. Comprehensive degree of land use analysis based on BGWR model: A case study of Wuhan. In *Geoinformatics, 2017 25th International Conference on* (pp. 1-5). IEEE.
<https://ieeexplore.ieee.org/abstract/document/8090932>

Tong, D., Yuan, Y., Wang, X. and Wu, L., 2019. Spatially varying relationships between land ownership and land development at the urban fringe: A case study of Shenzhen, China. *Cities*.
<https://www.sciencedirect.com/science/article/pii/S0264275118309259>

Kim, J.W. and Um, J.S., 2013. Exploring NDVI gradient varying across landform and solar intensity using GWR: A case study of Mt. Geumgang in North Korea. *Journal of Korean Society for Geospatial Information System*, 21(4), pp.73-81.
<http://www.koreascience.or.kr/article/JAKO201301671904178.page>

Zhou, X. and WANG, Y.C., 2011. Dynamics of Land Surface Temperature in Response to Land-Use/Cover Change. *Geographical Research*, 49(1), pp.23-36.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1745-5871.2010.00686.x>

Liao, Q., Li, M., Chen, Z., Shao, Y. and Yang, K., 2010, June. Spatial simulation of regional land use patterns based on GWR and CLUE-S model. In *Geoinformatics, 2010 18th International Conference on* (pp. 1-6). IEEE.
<https://ieeexplore.ieee.org/abstract/document/5567963>

Karimi, A., Pahlavani, P. and Bigdeli, B., 2017. LAND USE ANALYSIS ON LAND SURFACE TEMPERATURE IN URBAN AREAS USING A GEOGRAPHICALLY WEIGHTED REGRESSION AND LANDSAT 8 IMAGERY, A CASE STUDY: TEHRAN, IRAN. *International Archives of the Photogrammetry, Remote Sensing & Spatial Information Sciences*, 42.
<https://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XLII-4-W4/117/2017/isprs-archives-XLII-4-W4-117-2017.pdf>

Pompeu, J., Soler, L. and Ometto, J., 2018. Modelling Land Sharing and Land Sparing Relationship with Rural Population in the Cerrado. *Land*, 7(3), p.88.
<https://www.mdpi.com/2073-445X/7/3/88>

Wang, C.H., 2018. A land-use and capital-investment allocation optimization model to develop a fair community opportunity framework for Columbus, Ohio. *Computers, Environment and Urban Systems*.
<https://www.sciencedirect.com/science/article/pii/S0198971518303752>

Dadashpoor, H., Azizi, P. and Moghadasi, M., 2019. Land use change, urbanization, and change in landscape pattern in a metropolitan area. *Science of The Total Environment*, 655, pp.707-719.
<https://www.sciencedirect.com/science/article/pii/S0048969718346242>

Tsutsumida, N. and Comber, A.J., 2015. Measures of spatio-temporal accuracy for time series land cover data. *International Journal of Applied Earth Observation and Geoinformation*, 41, pp.46-55.
<https://www.sciencedirect.com/science/article/pii/S0303243415000975>

Propastin, P.A. and Kappas, M., 2006, September. INCREASING ACCURACY IN ANALYSIS NDVI-PRECIPIATION RELATIONSHIP THROUGH SCALING DOWN FROM REGIONAL TO LOCAL MODEL. In *2nd Workshop of the EARSeL SIG on Land Use and Land Cover. Bonn* (pp. 28-30).
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.222.340&rep=rep1&type=pdf>

Comber, A., Fonte, C., Foody, G., Fritz, S., Harris, P., Olteanu-Raimond, A.M. and See, L., 2016. Geographically weighted evidence combination approaches for combining discordant and inconsistent volunteered geographical information. *GeoInformatica*, 20(3), pp.503-527.
<https://link.springer.com/article/10.1007/s10707-016-0248-z>

Comber, A., Brunson, C., See, L., Fritz, S. and McCallum, I., 2013, September. Comparing expert and non-expert conceptualisations of the land: an analysis of crowdsourced land cover data. In *International Conference on Spatial Information Theory* (pp. 243-260). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-01790-7_14

Feng, Y. and Tong, X., 2018. Dynamic land use change simulation using cellular automata with spatially nonstationary transition rules. *GIScience & Remote Sensing*, pp.1-21.
<https://www.tandfonline.com/doi/abs/10.1080/15481603.2018.1426262>

Papadopoulos, E. and Politis, I., 2018, May. Combining Land Use, Traffic and Demographic Data for Modelling Road Safety Performance in Urban Areas. In *The 4th Conference on Sustainable Urban Mobility* (pp. 71-78). Springer, Cham.
https://link.springer.com/chapter/10.1007/978-3-030-02305-8_9

Ariyanto, D., 2017. Estimation of Geographically Weighted Regression Case Study on Wet Land Paddy Productivities in Tulungagung Regency. *CAUCHY*, 5(1), pp.8-14.
<http://ejournal.uin-malang.ac.id/index.php/Math/article/view/4305>

Dai, L., Wang, L., Liang, T., Zhang, Y., Li, J., Xiao, J., Dong, L. and Zhang, H., 2019. Geostatistical analyses and co-occurrence correlations of heavy metals distribution with various types of land use within a watershed in eastern Qinghai-Tibet Plateau, China. *Science of The Total Environment*, 653, pp.849-859.
<https://www.sciencedirect.com/science/article/pii/S0048969718342864>

Hagenauer, J. and Helbich, M., 2018. Local modelling of land consumption in Germany with RegioClust. *International Journal of Applied Earth Observation and Geoinformation*, 65, pp.46-56.
<https://www.sciencedirect.com/science/article/pii/S0303243417302209>

Zhang, W., He, Q., Wang, H., Cao, K. and He, S., 2018. Factor analysis for aerosol optical depth and its prediction from the perspective of land-use change. *Ecological Indicators*, 93, pp.458-469.
<https://www.sciencedirect.com/science/article/pii/S1470160X18303674>

Madadi, A. and Karimipour, F., 2016. Temporal Modeling of Geographically Weighted Regression for Extraction of Relationships between Land Use/Land Cover and Water Hardness. *Journal of Geomatics Science and Technology*, 5(3), pp.65-76.
<https://www.sid.ir/En/Journal/ViewPaper.aspx?ID=525695>

Kim, J. and Nicholls, S., 2016. Using geographically weighted regression to explore the equity of public open space distributions. *Journal of Leisure Research*, 48(2), pp.105-133.
<https://www.tandfonline.com/doi/abs/10.18666/jlr-2016-v48-i2-6539>

Comber, A.J., Harris, P. and Tsutsumida, N., 2016. Improving land cover classification using input variables derived from a geographically weighted principal components analysis. *ISPRS Journal of Photogrammetry and Remote Sensing*, 119, pp.347-360.
<https://www.sciencedirect.com/science/article/pii/S0924271616301290>

Mingxing, H., Jiang, W. and Xuan, Z., 2015. Exploration of the Spatial Pattern of Urban Residential Land Use with Geographically Weighted Regression Technique: A Case Study of Nanjing, China [J]. *Journal of Southeast University*, 31(1), pp.149-156.

<http://or.nsf.gov.cn/bitstream/00001903-5/307897/1/1000014036870.pdf>

Arshad, S.H.M., Jaafar, J., Abiden, M.Z.Z., Latif, Z.A. and Rasam, A.R.A., 2014. Spatial stochastic regression modelling of urban land use. In *IOP Conference Series: Earth and Environmental Science* (Vol. 18, No. 1, p. 012170). IOP Publishing.

<http://iopscience.iop.org/article/10.1088/1755-1315/18/1/012170/meta>

Liu, Y., Wei, X., Jiao, L. and Wang, H., 2015. Relationships between street centrality and land use intensity in Wuhan, China. *Journal of Urban Planning and Development*, 142(1), p.05015001.

[https://ascelibrary.org/doi/abs/10.1061/\(ASCE\)UP.1943-5444.0000274?casa_token=5dOGMrYTKzQAAAAA:ABAG5L6ZofOD7w3xfTdPYXM_0rvDmfp3aSxALIDScOPwiCd7UqR9ahpuhN55LoP2SSJG37KAang](https://ascelibrary.org/doi/abs/10.1061/(ASCE)UP.1943-5444.0000274?casa_token=5dOGMrYTKzQAAAAA:ABAG5L6ZofOD7w3xfTdPYXM_0rvDmfp3aSxALIDScOPwiCd7UqR9ahpuhN55LoP2SSJG37KAang)

Okwuashi, O. and Ikediashi, D.I., 2014. GIS-based simulation of land use change. *Applied Gis*, 10(1).

<https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18325505&AN=94967608&h=krnojpO8Ze9NhdcJljpKV6wWrQo7f1Oa00Jrantigk012e6zSD7t8DIycCtER1Addme%2fIKZu8VWxiKuBBq1ibg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18325505%26AN%3d94967608>

Zhang, C., Li, W. and Civco, D., 2014. Application of geographically weighted regression to fill gaps in SLC-off Landsat ETM+ satellite imagery. *International journal of remote sensing*, 35(22), pp.7650-7672.

<https://www.tandfonline.com/doi/abs/10.1080/01431161.2014.975377>

Tang, Q., 2012. GIS-based urban land use characterization and population modeling with subpixel information measured from remote sensing data.

https://digitalcommons.lsu.edu/gradschool_dissertations/1282/

Comber, A., Leicester, L., Fisher, P., Brunson, C. and Khmag, A., A GWR analysis of land cover accuracy.

https://agile-online.org/conference_paper/cds/agile_2012/proceedings/papers/paper_comber_a_gwr_analysis_of_land_cover_accuracy_2012.pdf

Comber, A., Fisher, P., Brunson, C. and Khmag, A., Geographically weighted methods for examining the spatial variation in land cover accuracy.

https://s3.amazonaws.com/academia.edu.documents/30722331/ComberAccuracy2012.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1544569905&Signature=BWgfjsHu1%2FYkex1B886kaz8E7l4%3D&response-content-disposition=inline%3B%20filename%3DGeographically_weighted_methods_for_exam.pdf

Mulatu, D.W., van der Veen, A., Becht, R., van Oel, P.R. and Bekalo, D.J., 2013. Accounting for spatial non-stationarity to estimate population distribution using land use/cover. Case study: The Lake Naivasha basin, Kenya. *Journal of settlements and spatial planning*, 4(1), p.33.

<https://search.proquest.com/openview/424511a4334599febe5acf5cee8e4ddf/1?pq-origsite=gscholar&cbl=1766360>

Nowrouzian, R. and Srinivasan, S., 2013. Modeling the Effect of Land Use on Person Miles Traveled by Using Geographically Weighted Regression. *Transportation Research Record*, 2397(1), pp.108-116.

https://journals.sagepub.com/doi/abs/10.3141/2397-13?casa_token=amVpCQmzeL4AAAAA%3AwMKDkhP2-r2WPC0OC1RnJewfyAviQQuvyYR02k5-38ql-sUMjWwIf8O7Raaqm_BKOxRMNO_7Aj1

Li, F., Li, M., Liang, J., Liu, Y., Chen, Z. and Chen, D., 2008, November. Urban land use change detection through spatial statistical analysis using multi-temporal remote sensing data.

In *Geoinformatics 2008 and Joint Conference on GIS and Built Environment: The Built Environment and Its Dynamics* (Vol. 7144, p. 714409). International Society for Optics and Photonics.

<https://www.spiedigitallibrary.org/conference-proceedings-of-spie/7144/714409/Urban-land-use-change-detection-through-spatial-statistical-analysis-using/10.1117/12.812699.full?SSO=1>

Swayne, D.A., Yang, W., Voinov, A.A., Rizzoli, A. and Filatova, T., Modelling urban land use change using geographically weighted regression and the implications for sustainable environmental planning.

https://www.researchgate.net/profile/Noresah_Shariff/publication/235931337_International_Environmental_Modelling_and_Software_Society_iEMSs_2010_International_Congress_on_Environmental_Modelling_and_Software_Modelling_for_Environment's_Sake_Fifth_Biennial_Meeting_Modelling_U/links/0fcfd51469e0b69841000000.pdf

Roy, S.S. and Yuan, F., 2007. Patterns and variability of summer NDVI in response to climate variables in Minnesota. *GIScience & Remote Sensing*, 44(2), pp.166-181.

https://www.tandfonline.com/doi/abs/10.2747/1548-1603.44.2.166?casa_token=jUmNyM5oTvEAAAAA:V6ydvgnrzTr4U_vB1Bc4eIAh2vA7u4Oy-K5wW16aTr2aS_4xcFff51L3m0Dh-teDz_YvwaDHZdX

Du, S., Wang, Q. and Guo, L., 2014. Spatially varying relationships between land-cover change and driving factors at multiple sampling scales. *Journal of environmental management*, 137, pp.101-110.<https://www.sciencedirect.com/science/article/pii/S0301479714000528>

Comber, A.J., 2013. Geographically weighted methods for estimating local surfaces of overall, user and producer accuracies. *Remote Sensing Letters*, 4(4), pp.373-380.

<https://www.tandfonline.com/doi/abs/10.1080/2150704X.2012.736694>

Su, S., Xiao, R. and Zhang, Y., 2012. Multi-scale analysis of spatially varying relationships between agricultural landscape patterns and urbanization using geographically weighted regression. *Applied Geography*, 32(2), pp.360-375.

<https://www.sciencedirect.com/science/article/pii/S0143622811001214>

Comber, A., Fisher, P., Brunson, C. and Khmag, A., 2012. Spatial analysis of remote sensing image classification accuracy. *Remote Sensing of Environment*, 127, pp.237-246.

<https://www.sciencedirect.com/science/article/pii/S0034425712003598>

Clement, F., Orange, D., Williams, M., Mulley, C. and Epprecht, M., 2009. Drivers of afforestation in Northern Vietnam: assessing local variations using geographically weighted regression. *Applied Geography*, 29(4), pp.561-576.

<https://www.sciencedirect.com/science/article/pii/S0143622809000101>

Wang, Y., Kockelman, K. and Wang, X., 2011. Anticipation of land use change through use of geographically weighted regression models for discrete response. *Transportation Research Record: Journal of the Transportation Research Board*, (2245), pp.111-123.

<https://journals.sagepub.com/doi/pdf/10.3141/2245->

[14?casa_token=AmwR5nQi04kAAAAA%3AlvtaBSaymTFbaKdV1waInv9gkkqw6-BOjLpn65DkiXV3qiwFkLwMVCw6FR4hHYgRssG2d6ALN8Eu](https://journals.sagepub.com/doi/pdf/10.3141/2245-14?casa_token=AmwR5nQi04kAAAAA%3AlvtaBSaymTFbaKdV1waInv9gkkqw6-BOjLpn65DkiXV3qiwFkLwMVCw6FR4hHYgRssG2d6ALN8Eu)

Propastin, P.A., 2009. Spatial non-stationarity and scale-dependency of prediction accuracy in the remote estimation of LAI over a tropical rainforest in Sulawesi, Indonesia. *Remote Sensing of Environment*, 113(10), pp.2234-2242.

<https://www.sciencedirect.com/science/article/pii/S0034425709001886>

See, L., Schepaschenko, D., Lesiv, M., McCallum, I., Fritz, S., Comber, A., Perger, C., Schill, C., Zhao, Y., Maus, V. and Siraj, M.A., 2015. Building a hybrid land cover map with crowdsourcing and geographically weighted regression. *ISPRS Journal of Photogrammetry and Remote Sensing*, 103, pp.48-56.

<https://www.sciencedirect.com/science/article/pii/S0924271614001713>

Bistinas, I., Oom, D., Sá, A.C., Harrison, S.P., Prentice, I.C. and Pereira, J.M., 2013. Relationships between human population density and burned area at continental and global scales. *PLoS One*, 8(12), p.e81188.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0081188>

Bagan, H. and Yamagata, Y., 2015. Analysis of urban growth and estimating population density using satellite images of nighttime lights and land-use and population data. *GIScience & Remote Sensing*, 52(6), pp.765-780.

https://www.tandfonline.com/doi/abs/10.1080/15481603.2015.1072400?casa_token=x7C5ABuBbCAAAAAA:ZB6glx7Frc2ek76fuUF1uleshFMoGDoaYmovUPam1WIWRF227TT7Tf8WvgyOY9WMYnhCYAcFTgE-

de Freitas, M.W.D., Dos Santos, J.R. and Alves, D.S., 2013. Land-use and land-cover change processes in the Upper Uruguay Basin: linking environmental and socioeconomic variables. *Landscape Ecology*, 28(2), pp.311-327.

<https://www.sciencedirect.com/science/article/pii/S0143622811001597>

Geniaux, G., Ay, J.S. and Napoléone, C., 2011. A spatial hedonic approach on land use change anticipations. *Journal of Regional Science*, 51(5), pp.967-986.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1467-9787.2011.00721.x>

Liu, Y., Guo, L., Jiang, Q., Zhang, H. and Chen, Y., 2015. Comparing geospatial techniques to predict SOC stocks. *Soil and Tillage Research*, 148, pp.46-58.

<https://www.sciencedirect.com/science/article/pii/S0167198714002670>

Wrenn, D.H. and Sam, A.G., 2014. Geographically and temporally weighted likelihood regression: Exploring the spatiotemporal determinants of land use change. *Regional Science and Urban Economics*, 44, pp.60-74.

<https://www.sciencedirect.com/science/article/pii/S016604621300094X>

Yang, J., Li, S., Xu, J., Wang, X. and Zhang, X., 2020. Effects of changing scales on landscape patterns and spatial modeling under urbanization. *Journal of Environmental Engineering and Landscape Management*, 28(2), pp.62-73.

<https://doi.org/10.3846/jeelm.2020.12081>

Wang, H., Stephenson, S.R. and Qu, S., 2019. Modeling spatially non-stationary land use/cover change in the lower Connecticut River Basin by combining geographically weighted logistic regression and the CA-Markov model. *International Journal of Geographical Information Science*, 33(7), pp.1313-1334.

<https://doi.org/10.1080/13658816.2019.1591416>

Nicholls, S. and Kim, J., 2019. Spatial is special: The need to consider spatial effects in leisure research. *Leisure Sciences*, pp.1-21.

<https://doi.org/10.1080/01490400.2019.1600441>

Agovino, M. and Musella, G., 2020. Separate waste collection in mountain municipalities. A case study in Campania. *Land Use Policy*, 91, p.104408.

<https://doi.org/10.1016/j.landusepol.2019.104408>

Zhou, D., Lin, Z. and Lim, S.H., 2019. Spatial characteristics and risk factor identification for land use spatial conflicts in a rapid urbanization region in China. *Environmental monitoring and assessment*, 191(11), p.677.

<https://link.springer.com/article/10.1007/s10661-019-7809-1>

Yang, N., Li, J., Lu, B., Luo, M. and Li, L., 2019. Exploring the spatial pattern and influencing factors of land carrying capacity in Wuhan. *Sustainability*, 11(10), p.2786.

<https://doi.org/10.3390/su11102786>

Xu, X., Jain, A.K. and Calvin, K.V., 2019. Quantifying the biophysical and socioeconomic drivers of changes in forest and agricultural land in South and Southeast Asia. *Global change biology*, 25(6), pp.2137-2151.

<https://doi.org/10.1111/gcb.14611>

Sánchez-Martín, J.M., Gurría-Gascón, J.L. and Rengifo-Gallego, J.I., 2020. The Distribution of Rural Accommodation in Extremadura, Spain-between the Randomness and the Suitability Achieved by Means of Regression Models (OLS vs. GWR). *Sustainability*, 12(11), p.4737.

<https://doi.org/10.3390/su12114737>

Costache, R., Bao Pham, Q., Corodescu-Roșca, E., Cîmpianu, C., Hong, H., Thi Thuy Linh, N., Ming Fai, C., Najah Ahmed, A., Vojtek, M., Muhammed Pandhiani, S. and Minea, G., 2020. Using GIS, Remote Sensing, and Machine Learning to Highlight the Correlation between the Land-Use/Land-Cover Changes and Flash-Flood Potential. *Remote Sensing*, 12(9), p.1422.

<https://doi.org/10.3390/rs12091422>

Wang, C., Wang, G., Guo, Z., Dai, L., Liu, H., Li, Y., Chen, H., Zhao, Y., Zhang, Y. and Cheng, H., 2020. Effects of land-use change on the distribution of the wintering red-crowned crane (*Grus japonensis*) in the coastal area of northern Jiangsu Province, China. *Land Use Policy*, 90, p.104269.

<https://doi.org/10.1016/j.landusepol.2019.104269>

Yang, J., Li, S. and Lu, H., 2019. Quantitative influence of land-use changes and urban expansion intensity on landscape pattern in Qingdao, China: Implications for urban sustainability. *Sustainability*, 11(21), p.6174.

<https://doi.org/10.3390/su11216174>

Shao, Y., Yuan, X., Ma, C., Ma, R. and Ren, Z., 2020. Quantifying the Spatial Association between Land Use Change and Ecosystem Services Value: A Case Study in Xi'an, China. *Sustainability*, 12(11), p.4449.

<https://doi.org/10.3390/su12114449>

Wang, C.H., 2019. A land-use and capital-investment allocation optimization model to develop a fair community opportunity framework for Columbus, Ohio. *Computers, Environment and Urban Systems*, 74, pp.151-160.

<https://doi.org/10.1016/j.compenvurbsys.2018.10.007>

Xu, Z., Zhang, Z. and Li, C., 2019. Exploring urban green spaces in China: Spatial patterns, driving factors and policy implications. *Land Use Policy*, 89, p.104249.

<https://doi.org/10.1016/j.landusepol.2019.104249>

Leśniewska-Napierała, K., Nalej, M. and Napierała, T., 2019. The Impact of EU Grants Absorption on Land Cover Changes—The Case of Poland. *Remote Sensing*, 11(20), p.2359.

<https://doi.org/10.3390/rs11202359>

Wang, Y., Huang, C., Feng, Y., Zhao, M. and Gu, J., 2020. Using Earth Observation for Monitoring SDG 11.3. 1-Ratio of Land Consumption Rate to Population Growth Rate in Mainland China. *Remote Sensing*, 12(3), p.357.

<https://doi.org/10.3390/rs12030357>

Janoušek, Z., Papaj, V. and Brázda, J., 2019. Land protection versus planned land consumption: an example of the Hradec Králové Region. *Soil and Water Research*, 14(3), pp.138-144.

<https://doi.org/10.17221/102/2018-SWR>

Liu, Q., Zhang, Y., Liu, L., Li, L. and Qi, W., 2019. The spatial local accuracy of land cover datasets over the Qiangtang Plateau, High Asia. *Journal of Geographical Sciences*, 29(11), pp.1841-1858.

<https://link.springer.com/article/10.1007/s11442-019-1992-0>

Tan, C., Tang, Y. and Wu, X., 2019. Evaluation of the Equity of Urban Park Green Space Based on Population Data Spatialization: A Case Study of a Central Area of Wuhan, China. *Sensors*, 19(13), p.2929.

<https://doi.org/10.3390/s19132929>

Adamiak, M., Biczkowski, M., Leśniewska-Napierała, K., Nalej, M. and Napierała, T., 2020. Impairing Land Registry: Social, Demographic, and Economic Determinants of Forest Classification Errors. *Remote Sensing*, 12(16), p.2628.

<https://doi.org/10.3390/rs12162628>

Bertazzon, S., Couloigner, I. and Underwood, F.E., 2019. Spatial land use regression of nitrogen dioxide over a 5-year interval in Calgary, Canada. *International Journal of Geographical Information Science*, 33(7), pp.1335-1354.

<https://doi.org/10.1080/13658816.2019.1578885>

Huang, X., Huang, X., Liu, M., Wang, B. and Zhao, Y., 2020. Spatial-temporal dynamics and driving forces of land development intensity in the western China from 2000 to 2015. *Chinese Geographical Science*, 30(1), pp.16-29.

<https://link.springer.com/article/10.1007/s11769-020-1095-2>

Shi, Y., Ren, C., Lau, K.K.L. and Ng, E., 2019. Investigating the influence of urban land use and landscape pattern on PM_{2.5} spatial variation using mobile monitoring and WUDAPT. *Landscape and Urban Planning*, 189, pp.15-26.

<https://doi.org/10.1016/j.landurbplan.2019.04.004>

Rhew, S.H., Kravchenko, J. and Lyerly, H.K., 2021. Exposure to low-dose ambient fine particulate matter PM_{2.5} and Alzheimer's disease, non-Alzheimer's dementia, and Parkinson's disease in North Carolina. *PloS one*, 16(7), p.e0253253.

<https://doi.org/10.1371/journal.pone.0253253>

De Ridder, D., Belle, F.N., Marques-Vidal, P., Ponte, B., Bochud, M., Stringhini, S., Joost, S. and Guessous, I., 2021. Geospatial Analysis of Sodium and Potassium Intake: A Swiss Population-Based Study. *Nutrients*, 13(6), p.1798.

<https://doi.org/10.3390/nu13061798>

Xu, F. and Chi, G., 2019. Spatiotemporal variations of land use intensity and its driving forces in China, 2000–2010. *Regional Environmental Change*, 19(8), pp.2583-2596.

<https://link.springer.com/article/10.1007/s10113-019-01574-9>

Cowen, C., Louderback, E.R. and Roy, S.S., 2019. The role of land use and walkability in predicting crime patterns: A spatiotemporal analysis of Miami-Dade County neighborhoods, 2007–2015. *Security Journal*, 32(3), pp.264-286.

<https://link.springer.com/article/10.1057/s41284-018-00161-7>

Zhao, C., Jensen, J.L. and Weaver, R., 2020. Global and Local Modeling of Land Use Change in the Border Cities of Laredo, Texas, USA and Nuevo Laredo, Tamaulipas, Mexico: A Comparative Analysis. *Land*, 9(10), p.347.

<https://doi.org/10.3390/land9100347>

Wang, Y., Xu, M., Li, J., Jiang, N., Wang, D., Yao, L. and Xu, Y., 2021. The Gradient Effect on the Relationship between the Underlying Factor and Land Surface Temperature in Large Urbanized Region. *Land*, 10(1), p.20.

<https://doi.org/10.3390/land10010020>

Hsieh, L.H.C., 2021. Is it the flood, or the disclosure? An inquiry to the impact of flood risk on residential housing prices. *Land Use Policy*, 106, p.105443.

<https://doi.org/10.1016/j.landusepol.2021.105443>

Li, K. and Zhang, W., 2021. Directionally and spatially varying relationship between land surface temperature and land-use pattern considering wind direction: a case study in central China. *Environmental Science and Pollution Research*, pp.1-15.

<https://link.springer.com/article/10.1007/s11356-021-13594-2>

Ballard, K. and Bone, C., 2021. Exploring spatially varying relationships between Lyme disease and land cover with geographically weighted regression. *Applied Geography*, 127, p.102383.

<https://doi.org/10.1016/j.apgeog.2020.102383>

Chidi, C.L., Sulzer, W., Xiong, D.H., Wu, Y.H., Zhao, W. and Pradhan, P.K., 2021. Land use intensity dynamics in the Andhikhola watershed, middle hill of Nepal. *Journal of Mountain Science*, 18(6), pp.1504-1520.

<https://link.springer.com/article/10.1007/s11629-020-6652-8>

Jia, J. and Zhang, X., 2021. A human-scale investigation into economic benefits of urban green and blue infrastructure based on big data and machine learning: A case study of Wuhan. *Journal of Cleaner Production*, p.128321.

<https://doi.org/10.1016/j.jclepro.2021.128321>

Jiao, K., Gao, J. and Liu, Z., 2021. Precipitation Drives the NDVI Distribution on the Tibetan Plateau While High Warming Rates May Intensify Its Ecological Droughts. *Remote Sensing*, 13(7), p.1305.
<https://doi.org/10.3390/rs13071305>

Kashki, A., Karami, M., Zandi, R. and Roki, Z., 2021. Evaluation of the effect of geographical parameters on the formation of the land surface temperature by applying OLS and GWR, A case study Shiraz City, Iran. *Urban Climate*, 37, p.100832.
<https://doi.org/10.1016/j.uclim.2021.100832>

Liu, F., Hou, H. and Murayama, Y., 2021. Spatial Interconnections of Land Surface Temperatures with Land Cover/Use: A Case Study of Tokyo. *Remote Sensing*, 13(4), p.610.
<https://doi.org/10.3390/rs13040610>

Pulugurtha, S.S. and Mathew, S., 2021. Modeling AADT on local functionally classified roads using land use, road density, and nearest nonlocal road data. *Journal of Transport Geography*, 93, p.103071.
<https://doi.org/10.1016/j.jtrangeo.2021.103071>

Yang, Y., 2021. Evolution of habitat quality and association with land-use changes in mountainous areas: A case study of the Taihang Mountains in Hebei Province, China. *Ecological Indicators*, 129, p.107967.
<https://doi.org/10.1016/j.ecolind.2021.107967>

Landslide:

Chalkias, C., Kalogirou, S. and Ferentinou, M., 2014. Landslide susceptibility, Peloponnese peninsula in south Greece. *Journal of Maps*, 10(2), pp.211-222.
<https://www.tandfonline.com/doi/abs/10.1080/17445647.2014.884022>

Hong, H., Pradhan, B., Sameen, M.I., Kalantar, B., Zhu, A. and Chen, W., 2018. Improving the accuracy of landslide susceptibility model using a novel region-partitioning approach. *Landslides*, 15(4), pp.753-772.
<https://link.springer.com/article/10.1007/s10346-017-0906-8>

Park, S. and Kim, J., 2015. A comparative analysis of landslide susceptibility assessment by using global and spatial regression methods in Inje Area, Korea. *Journal of the Korean Society of Surveying, Geodesy, Photogrammetry and Cartography*, 33(6), pp.579-587.
<http://www.koreascience.or.kr/article/JAKO201509941572959.page>

Hong, H., Pradhan, B., Sameen, M.I., Chen, W. and Xu, C., 2017. Spatial prediction of rotational landslide using geographically weighted regression, logistic regression, and support vector

machine models in Xing Guo area (China). *Geomatics, Natural Hazards and Risk*, 8(2), pp.1997-2022.

<https://www.tandfonline.com/doi/abs/10.1080/19475705.2017.1403974>

Zhang, M., Cao, X., Peng, L. and Niu, R., 2016. Landslide susceptibility mapping based on global and local logistic regression models in Three Gorges Reservoir area, China. *Environmental Earth Sciences*, 75(11), p.958.

<https://link.springer.com/article/10.1007/s12665-016-5764-5>

Erener, A. and Düzgün, H.S.B., 2010. Improvement of statistical landslide susceptibility mapping by using spatial and global regression methods in the case of More and Romsdal (Norway). *Landslides*, 7(1), pp.55-68.

<https://link.springer.com/article/10.1007/s10346-009-0188-x>

Yu, X., Wang, Y., Niu, R. and Hu, Y., 2016. A combination of geographically weighted regression, particle swarm optimization and support vector machine for landslide susceptibility mapping: a case study at Wanzhou in the Three Gorges Area, China. *International journal of environmental research and public health*, 13(5), p.487.

<https://www.mdpi.com/1660-4601/13/5/487/htm>

Sabokbar, H.F., Roodposhti, M.S. and Tazik, E., 2014. Landslide susceptibility mapping using geographically-weighted principal component analysis. *Geomorphology*, 226, pp.15-24.

<https://www.sciencedirect.com/science/article/pii/S0169555X14003912>

Huang, H., Yu, W., Yu, Q. and Zhang, G., 2013. Landslide surface deformation analysis based on geographically weighted regression model. *EJGE*, 18, pp.2693-2704.

<http://www.ejge.com/2013/Ppr2013.251alr.pdf>

Feuillet, T., Coquin, J., Mercier, D., Cossart, E., Decaulne, A., Jónsson, H.P. and Sæmundsson, Þ., 2014. Focusing on the spatial non-stationarity of landslide predisposing factors in northern Iceland: Do paraglacial factors vary over space?. *Progress in Physical Geography*, 38(3), pp.354-377.

https://journals.sagepub.com/doi/abs/10.1177/0309133314528944?casa_token=eAJyCrPi4iAAA%3Ayn8CvvtNg6hE6Hve3qEZkg68ZsXbZ8Kkg_sRFFpy9pxM71MrmMiBgdzhicDea29dHk590QaFb91-

Li, Y., Liu, X., Han, Z. and Dou, J., 2020. Spatial Proximity-Based Geographically Weighted Regression Model for Landslide Susceptibility Assessment: A Case Study of Qingchuan Area, China. *Applied Sciences*, 10(3), p.1107.

<https://doi.org/10.3390/app10031107>

Song, X.D., Wu, H.Y., Hallett, P.D., Pan, X.C., Hu, X.F., Cao, Q., Zhao, X.R. and Zhang, G.L., 2020. Paleotopography continues to drive surface to deep-layer interactions in a subtropical Critical Zone Observatory. *Journal of Applied Geophysics*, p.103987.

<https://doi.org/10.1016/j.jappgeo.2020.103987>

Yu, X. and Gao, H., 2020. A landslide susceptibility map based on spatial scale segmentation: A case study at Zigui-Badong in the Three Gorges Reservoir Area, China. *PLoS one*, 15(3), p.e0229818.

<https://doi.org/10.1371/journal.pone.0229818>

Yang, Y., Yang, J., Xu, C., Xu, C. and Song, C., 2019. Local-scale landslide susceptibility mapping using the B-GeoSVC model. *Landslides*, 16(7), pp.1301-1312.

<https://link.springer.com/article/10.1007/s10346-019-01174-y>

Chowdhuri, I., Pal, S.C., Arabameri, A., Ngo, P.T.T., Chakraborty, R., Malik, S., Das, B. and Roy, P., 2020. Ensemble approach to develop landslide susceptibility map in landslide dominated Sikkim Himalayan region, India. *Environmental Earth Sciences*, 79(20), pp.1-28.

<https://link.springer.com/article/10.1007/s12665-020-09227-5>

Bhattacharya, Y. and Nakamura, H., 2021. Spatial hedonic analysis to support tourism-sensitive tsunami mitigation planning. *International Journal of Disaster Risk Reduction*, 60, p.102283.

<https://doi.org/10.1016/j.ijdr.2021.102283>

Chen, T.L. and Lin, Z.H., 2021. Impact of land use types on the spatial heterogeneity of extreme heat environments in a metropolitan area. *Sustainable Cities and Society*, 72, p.103005.

<https://doi.org/10.1016/j.scs.2021.103005>

Methodology:

Fotheringham, A., Charlton, M. and Demšar, U., 2009. Looking for a relationship? Try GWR. *Geographic Data Mining and Knowledge Discovery CRC Press, Boca Raton, FL, USA*, pp.227-254.

<https://books.google.co.uk/books?hl=en&lr=&id=cULJd4Mp6AIC&oi=fnd&pg=PA227&ots=uvqzBvaSmH&sig=5w3EqcJAhhvjgVQGVliGA649JWI#v=onepage&q&f=false>

Lu, B., Harris, P., Charlton, M. and Brunson, C., 2015. Calibrating a geographically weighted regression model with parameter-specific distance metrics. *Procedia Environmental Sciences*, 26, pp.109-114.

<https://www.sciencedirect.com/science/article/pii/S1878029615001784>

Yu, H., Fotheringham, A.S., Li, Z., Oshan, T., Kang, W. and Wolf, L.J., 2019. Inference in multiscale geographically weighted regression. *Geographical Analysis*.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/gean.12189>

Fotheringham, A.S., Yang, W. and Kang, W., 2017. Multiscale geographically weighted regression (MGWR). *Annals of the American Association of Geographers*, 107(6), pp.1247-1265.

<https://www.tandfonline.com/doi/abs/10.1080/24694452.2017.1352480>

Fotheringham, A.S., Crespo, R. and Yao, J., 2015. Geographical and temporal weighted regression (GTWR). *Geographical Analysis*, 47(4), pp.431-452.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/gean.12071>

Harris, P., Brunson, C. and Fotheringham, A.S., 2011. Links, comparisons and extensions of the geographically weighted regression model when used as a spatial predictor. *Stochastic environmental Research and Risk assessment*, 25(2), pp.123-138.
<https://link.springer.com/article/10.1007/s00477-010-0444-6>

Brunson, C., Fotheringham, A.S. and Charlton, M.E., 1996. Geographically weighted regression: a method for exploring spatial nonstationarity. *Geographical analysis*, 28(4), pp.281-298.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1538-4632.1996.tb00936.x>

Brunson, C., Fotheringham, S. and Charlton, M., 2007. Geographically weighted discriminant analysis. *Geographical Analysis*, 39(4), pp.376-396.
<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1538-4632.2007.00709.x>

da Silva, A.R. and Fotheringham, A.S., 2016. The multiple testing issue in geographically weighted regression. *Geographical Analysis*, 48(3), pp.233-247.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/gean.12084>

Fotheringham, A.S. and Oshan, T.M., 2016. Geographically weighted regression and multicollinearity: dispelling the myth. *Journal of Geographical Systems*, 18(4), pp.303-329.
<https://link.springer.com/article/10.1007/s10109-016-0239-5>

Li, Z., Fotheringham, A.S., Li, W. and Oshan, T., 2018. Fast Geographically Weighted Regression (FastGWR): a scalable algorithm to investigate spatial process heterogeneity in millions of observations. *International Journal of Geographical Information Science*, 33(1), pp.155-175.
<https://www.tandfonline.com/doi/abs/10.1080/13658816.2018.1521523>

Lu, B., Charlton, M., Harris, P. and Fotheringham, A.S., 2014. Geographically weighted regression with a non-Euclidean distance metric: a case study using hedonic house price data. *International Journal of Geographical Information Science*, 28(4), pp.660-681.
<https://www.tandfonline.com/doi/abs/10.1080/13658816.2013.865739>

Geniaux, G. and Napoléone, C., 2008. Semi-parametric tools for spatial hedonic models: an introduction to mixed geographically weighted regression and geoaddivitive models. In *Hedonic Methods in Housing Markets* (pp. 101-127). Springer, New York, NY.
https://link.springer.com/chapter/10.1007/978-0-387-76815-1_6

Nakaya, T., 2001. Local spatial interaction modelling based on the geographically weighted regression approach. *GeoJournal*, 53(4), pp.347-358.
<https://link.springer.com/content/pdf/10.1023/A:1020149315435.pdf>

Brunsdon, C., Fotheringham, A.S. and Charlton, M., 2002. Geographically weighted summary statistics—a framework for localised exploratory data analysis. *Computers, Environment and Urban Systems*, 26(6), pp.501-524.

<https://www.sciencedirect.com/science/article/pii/S0198971501000096>

Páez, A., Uchida, T. and Miyamoto, K., 2002. A general framework for estimation and inference of geographically weighted regression models: 2. Spatial association and model specification tests. *Environment and Planning A*, 34(5), pp.883-904.

https://journals.sagepub.com/doi/abs/10.1068/a34133?casa_token=5VHsVs-H3AAAAAAA%3ACxbGKPLQY_VMIVTjMMrAadQWpqOgZPx1_oihM_8u_25Epm-wZC3-FSIjr1t569sX5fOz4mlFf8

Leung, Y., Mei, C.L. and Zhang, W.X., 2000. Testing for spatial autocorrelation among the residuals of the geographically weighted regression. *Environment and Planning A*, 32(5), pp.871-890.

https://journals.sagepub.com/doi/abs/10.1068/a32117?casa_token=dINLQ0Q82s0AAAAA%3AHQq-1TIwoRkMCFyQnj7vr2dDzdQP-1TOnv83Mx10gTIq2rB3xgo5DGem5m-P1IeoYo_oFuNL68hg

Harris, R., Singleton, A., Grose, D., Brunsdon, C. and Longley, P., 2010. Grid-enabling Geographically Weighted Regression: A Case Study of Participation in Higher Education in England. *Transactions in GIS*, 14(1), pp.43-61.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1467-9671.2009.01181.x>

Oshan, T.M. and Fotheringham, A.S., 2018. A Comparison of Spatially Varying Regression Coefficient Estimates Using Geographically Weighted and Spatial-Filter-Based Techniques. *Geographical Analysis*, 50(1), pp.53-75.

<https://onlinelibrary.wiley.com/doi/full/10.1111/gean.12133>

Wheeler, D. and Tiefelsdorf, M., 2005. Multicollinearity and correlation among local regression coefficients in geographically weighted regression. *Journal of Geographical Systems*, 7(2), pp.161-187.

<https://link.springer.com/article/10.1007/s10109-005-0155-6>

Wheeler, D.C., 2007. Diagnostic tools and a remedial method for collinearity in geographically weighted regression. *Environment and Planning A*, 39(10), pp.2464-2481.

<https://journals.sagepub.com/doi/abs/10.1068/a38325>

Griffith, D.A., 2008. Spatial-filtering-based contributions to a critique of geographically weighted regression (GWR). *Environment and Planning A*, 40(11), pp.2751-2769.

<https://journals.sagepub.com/doi/abs/10.1068/a38218>

Wheeler, D.C. and Páez, A., 2010. Geographically weighted regression. In *Handbook of applied spatial analysis* (pp. 461-486). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007/978-3-642-03647-7_22

- Zhang, L., Gove, J.H. and Heath, L.S., 2005. Spatial residual analysis of six modeling techniques. *Ecological Modelling*, 186(2), pp.154-177.
<https://www.sciencedirect.com/science/article/pii/S0304380005000153>
- Páez, A., Farber, S. and Wheeler, D., 2011. A simulation-based study of geographically weighted regression as a method for investigating spatially varying relationships. *Environment and Planning A*, 43(12), pp.2992-3010.
<https://journals.sagepub.com/doi/abs/10.1068/a44111>
- Páez, A., Long, F. and Farber, S., 2008. Moving window approaches for hedonic price estimation: an empirical comparison of modelling techniques. *Urban Studies*, 45(8), pp.1565-1581.
<https://journals.sagepub.com/doi/abs/10.1177/0042098008091491>
- Farber, S. and Páez, A., 2007. A systematic investigation of cross-validation in GWR model estimation: empirical analysis and Monte Carlo simulations. *Journal of Geographical Systems*, 9(4), pp.371-396.
<https://link.springer.com/article/10.1007/s10109-007-0051-3>
- Wheeler, D.C. and Calder, C.A., 2007. An assessment of coefficient accuracy in linear regression models with spatially varying coefficients. *Journal of Geographical Systems*, 9(2), pp.145-166.
<https://link.springer.com/article/10.1007/s10109-006-0040-y>
- Harris, P., Fotheringham, A.S., Crespo, R. and Charlton, M., 2010. The use of geographically weighted regression for spatial prediction: an evaluation of models using simulated data sets. *Mathematical Geosciences*, 42(6), pp.657-680.
<https://link.springer.com/article/10.1007/s11004-010-9284-7>
- Wheeler, D.C., 2009. Simultaneous coefficient penalization and model selection in geographically weighted regression: the geographically weighted lasso. *Environment and planning A*, 41(3), pp.722-742.
<https://journals.sagepub.com/doi/abs/10.1068/a40256>
- Guo, L., Ma, Z. and Zhang, L., 2008. Comparison of bandwidth selection in application of geographically weighted regression: a case study. *Canadian Journal of Forest Research*, 38(9), pp.2526-2534.
<http://www.nrcresearchpress.com/doi/abs/10.1139/X08-091#.XAH5ZOhKi00>
- Mei, C.L., Wang, N. and Zhang, W.X., 2006. Testing the importance of the explanatory variables in a mixed geographically weighted regression model. *Environment and Planning A*, 38(3), pp.587-598.
https://journals.sagepub.com/doi/abs/10.1068/a3768?casa_token=qLoaB34D7G0AAAAA%3ATrqFdWgvHYyLIL-GoRWgDv666SGWCf3UbVj1vteJxYb-4f56OH85Io39E4Odtno-6RCXFp03v6g8

Harris, P., Brunsdon, C. and Charlton, M., 2011. Geographically weighted principal components analysis. *International Journal of Geographical Information Science*, 25(10), pp.1717-1736.
https://www.tandfonline.com/doi/abs/10.1080/13658816.2011.554838?casa_token=EDYtPOGDZ2oAAAAA:9AdK1UCkKt3jjiA8rjfojnSAvoPfn2PZ-yfT3YnKx3tckv1LHShT9KIeXqd1yT0sO09S624hE1si

Finley, A.O., 2011. Comparing spatially-varying coefficients models for analysis of ecological data with non-stationary and anisotropic residual dependence. *Methods in Ecology and Evolution*, 2(2), pp.143-154.
<https://besjournals.onlinelibrary.wiley.com/doi/full/10.1111/j.2041-210X.2010.00060.x>

Wang, N., Mei, C.L. and Yan, X.D., 2008. Local linear estimation of spatially varying coefficient models: an improvement on the geographically weighted regression technique. *Environment and Planning A*, 40(4), pp.986-1005.
https://journals.sagepub.com/doi/abs/10.1068/a3941?casa_token=R-0tdKBv1NsAAAAA%3AY37qRNRMqmk5kgoOADJ-MTBZeI4nGfSbxbmE2yvOfBB7C_3iOltD8RHMa9ajNH-FwZYTtvegCBsc

Lu, B., Charlton, M., Brunsdon, C. and Harris, P., 2016. The Minkowski approach for choosing the distance metric in geographically weighted regression. *International Journal of Geographical Information Science*, 30(2), pp.351-368.
https://www.tandfonline.com/doi/abs/10.1080/13658816.2015.1087001?casa_token=5G9D8RJT_x9kAAAAA:GAeD56h9D0LWcBZ6UI32IIPA_GMe8vkW4GHxLUBiQ-ykuXjuU9nzTxyo2MpvN_iNg3HPfZtdmP8f

Harris, P., Charlton, M. and Fotheringham, A.S., 2010. Moving window kriging with geographically weighted variograms. *Stochastic Environmental Research and Risk Assessment*, 24(8), pp.1193-1209.
<https://link.springer.com/article/10.1007/s00477-010-0391-2>

Propastin, P., 2012. Modifying geographically weighted regression for estimating aboveground biomass in tropical rainforests by multispectral remote sensing data. *International Journal of Applied Earth Observation and Geoinformation*, 18, pp.82-90.
<https://www.sciencedirect.com/science/article/pii/S030324341100208X>

Zhang, L., Ma, Z. and Guo, L., 2009. An evaluation of spatial autocorrelation and heterogeneity in the residuals of six regression models. *Forest Science*, 55(6), pp.533-548.
<https://academic.oup.com/forestscience/article/55/6/533/4604152>

Harris, P., Brunsdon, C., Charlton, M., Juggins, S. and Clarke, A., 2014. Multivariate spatial outlier detection using robust geographically weighted methods. *Mathematical Geosciences*, 46(1), pp.1-31.
<https://link.springer.com/article/10.1007/s11004-013-9491-0>

- Cho, S.H., Lambert, D.M. and Chen, Z., 2010. Geographically weighted regression bandwidth selection and spatial autocorrelation: an empirical example using Chinese agriculture data. *Applied Economics Letters*, 17(8), pp.767-772.
<https://www.tandfonline.com/doi/abs/10.1080/13504850802314452>
- Lin, J., Cromley, R. and Zhang, C., 2011. Using geographically weighted regression to solve the areal interpolation problem. *Annals of GIS*, 17(1), pp.1-14.
<https://www.tandfonline.com/doi/abs/10.1080/19475683.2010.540258>
- Shi, H., Zhang, L. and Liu, J., 2006. A new spatial-attribute weighting function for geographically weighted regression. *Canadian Journal of Forest Research*, 36(4), pp.996-1005.
<http://www.nrcresearchpress.com/doi/abs/10.1139/x05-295#.XAMJP-hKi00>
- Byrne, G., Charlton, M. and Fotheringham, S., 2009. Multiple dependent hypothesis tests in geographically weighted regression. In *Proceedings of the 10th International Conference on GeoComputation*. University of New South Wales.
<http://eprints.maynoothuniversity.ie/5768/>
- Wei, C.H. and Qi, F., 2012. On the estimation and testing of mixed geographically weighted regression models. *Economic Modelling*, 29(6), pp.2615-2620.
<https://www.sciencedirect.com/science/article/pii/S0264999312002568>
- Paez, A., 2004. Anisotropic variance functions in geographically weighted regression models. *Geographical Analysis*, 36(4), pp.299-314.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1538-4632.2004.tb01138.x>
- Mei, C.L., 2005. Geographically weighted regression technique for spatial data analysis. *School of Science Xi'an Jiaotong University*.
<http://159.226.47.19/academic/workshop/workshop7/paper5.pdf>
- Cromley, R.G., Hanink, D.M. and Bentley, G.C., 2014. Geographically weighted collocation quotients: specification and application. *The Professional Geographer*, 66(1), pp.138-148.
https://www.tandfonline.com/doi/abs/10.1080/00330124.2013.768130?casa_token=sRX9wFFws_eoAAAAA:wSJ9gDMVT2MImo39ykZQmhpKd7IUHTHL51MJM-gZsuM8zOiDG4FoZoA1drdxzwEy52XVVZVWZreY
- Wheeler, D.C., 2010. Visualizing and diagnosing coefficients from geographically weighted regression models. In *Geospatial analysis and modelling of urban structure and dynamics* (pp. 415-436). Springer, Dordrecht.
https://link.springer.com/chapter/10.1007/978-90-481-8572-6_21
- Bárcena, M.J., Menéndez, P., Palacios, M.B. and Tusell, F., 2014. Alleviating the effect of collinearity in geographically weighted regression. *Journal of Geographical Systems*, 16(4), pp.441-466.
<https://link.springer.com/article/10.1007/s10109-014-0199-6>

- Moore, J.W. and Myers, J., 2010. Using geographic-attribute weighted regression for CAMA modeling. *Journal of Property Tax Assessment & Administration*, 7(3), p.5.
https://s3.amazonaws.com/academia.edu.documents/36014480/Moore_Myers_JPTAA_Dec2010.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1543726553&Signature=xPWejkmuvbC4pNwU%2Bj7KEZowRIs%3D&response-content-disposition=inline%3B%20filename%3DUsing_Geographic-attribute_Weighted_Regr.pdf
- Schroeder, J.P. and Van Riper, D.C., 2013. Because Muncie's densities are not Manhattan's: Using geographical weighting in the expectation–maximization algorithm for areal interpolation. *Geographical analysis*, 45(3), pp.216-237.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/gean.12014>
- Foody, G.M., 2005. Clarifications on local and global data analysis. *Global Ecology and Biogeography*, 14(1), pp.99-100.
<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1466-822X.2005.00142.x>
- Kalogirou, S., 2012. Testing local versions of correlation coefficients. *Jahrbuch für regionalwissenschaft*, 32(1), pp.45-61.
<https://link.springer.com/article/10.1007/s10037-011-0061-y>
- Harris, P., Clarke, A., Juggins, S., Brunson, C. and Charlton, M., 2015. Enhancements to a geographically weighted principal component analysis in the context of an application to an environmental data set. *Geographical Analysis*, 47(2), pp.146-172.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/gean.12048>
- Murakami, D., Yoshida, T., Seya, H., Griffith, D.A. and Yamagata, Y., 2017. A Moran coefficient-based mixed effects approach to investigate spatially varying relationships. *Spatial Statistics*, 19, pp.68-89.
<https://www.sciencedirect.com/science/article/pii/S2211675316301798>
- Yang, W., 2014. *An extension of geographically weighted regression with flexible bandwidths* (Doctoral dissertation, University of St Andrews).
<https://research-repository.st-andrews.ac.uk/handle/10023/7052>
- Yu, D., 2009, August. Spatial interpolation via GWR, a plausible alternative?. In *Geoinformatics, 2009 17th International Conference on* (pp. 1-5). IEEE.
<https://ieeexplore.ieee.org/abstract/document/5293526>
- Whigham, P. and Hay, G., 2007, December. A preliminary investigation of the stability of Geographically-Weighted Regression. In *The 19th Annual Colloquium of the Spatial Information Research Centre, University of Otago, Dunedin, New Zealand*.
https://www.researchgate.net/profile/Geoffrey_Hay2/publication/228467115_A_preliminary_investigation_of_the_stability_of_Geographically-Weighted_Regression/links/5491d5420cf2ac83c53dba83/A-preliminary-investigation-of-the-stability-of-Geographically-Weighted-Regression.pdf

Páez, A., Kawai, K., Vichiensan, V. and Miyamoto, K., 2003. Nonstationarity in regression-based spatial interpolation models.

<https://pdfs.semanticscholar.org/3881/91d891ed9a83a01781eac7b0f91aa0b747c0.pdf>

Düzgün, H.S. and Kemeç, S., 2008. Spatial and geographically weighted regression.

In *Encyclopedia of GIS*(pp. 1073-1077). Springer, Boston, MA.

https://link.springer.com/content/pdf/10.1007/978-0-387-35973-1_1242.pdf

Grose, D.J., Harris, R., Brundson, C. and Kilham, D., 2007, April. Grid enabling geographically weighted regression. In *Proc. of the 3rd Int. Conf. on e-Social Science, Ann Arbor, MI* See

<http://www.merc.ac.uk/sites/default/files/events/conference/2007/papers/paper147.pdf>.

http://www.geocomputation.org/2007/5C-Spatial_Statistics_2_GWR/5C4.pdf

Yilmazkuday, H. and Yazgan, M.E., 2009. Okun's Convergence within the US.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=995543

Dimulyo, S. and Aoki, S., 2009. Mixed Geographically Weighted Regression-Kriging Model for Small Area Estimation. *Ouyou toukeigaku*, 38(3), pp.111-129.

https://www.jstage.jst.go.jp/article/jappstat/38/3/38_3_111/article/-char/ja/

Hay, G. and Whigham, P.A., 2007. A preliminary investigation of the stability of Geographically-Weighted Regression.

<https://ourarchive.otago.ac.nz/handle/10523/707>

Comber, A., 2009. Hyper-local geographically weighted regression: extending GWR through local model selection and local bandwidth optimisation. *Journal of Spatial Information Science*.

<http://www.josis.org/index.php/josis/article/viewArticle/422>

Negreiros, J., Costa, A.C. and Painho, M., 2011. Evaluation of stochastic geographical matters: Morphologic geostatistics, conditional sequential simulation and geographical weighted regression.

Trends in Applied Sciences Research, 6(3), pp.237-255.

<http://docsdrive.com/pdfs/academicjournals/tasr/2011/237-255.pdf>

Bruna, F. and Yu, D., 2013. Geographically weighted panel regression. In *XI Congreso Galego de Estatística e Investigación de Operacións*. <http://xigapeio.udc.es>.

http://www.sgapeio.es/descargas/congresos_SGAPEIO/xigapeio.udc.es/resumenes/223_54_paper.pdf

Kalogirou, S., 2013. Testing geographically weighted multicollinearity diagnostics. *Paper presented at GISRUK 2013*.

https://s3.amazonaws.com/academia.edu.documents/32450111/gisruk2013_submission_2.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1544333473&Signature=IEg11A6duNeVpr%2Fm0d7CWYhhEMc%3D&response-content-disposition=inline%3B%20filename%3DTesting_geographically_weighted_multicol.pdf

Shen, S.L., Mei, C.L. and Zhang, Y.J., 2011. Spatially varying coefficient models: testing for spatial heteroscedasticity and reweighting estimation of the coefficients. *Environment and Planning A*, 43(7), pp.1723-1745.

<https://journals.sagepub.com/doi/abs/10.1068/a43201>

Wu, K., Liu, B., Huang, B. and Lei, Z., 2013. Incorporating the multi-cross-sectional temporal effect in Geographically Weighted Logit Regression. *Information Systems and Computing Technology*, p.3.

https://books.google.co.uk/books?hl=en&lr=&id=UWFmAQAAQBAJ&oi=fnd&pg=PA3&ots=bx_mDQCC6&sig=7NVN8ZC3QY9eVoKlfbZniyKpVLU#v=onepage&q&f=false

Lin, Z., 2011, August. ML Estimation of Spatial Panel Data Geographically Weighted Regression Model. In *Management and Service Science (MASS), 2011 International Conference on* (pp. 1-4). IEEE.

<https://ieeexplore.ieee.org/abstract/document/5999234>

Thapa, R.B. and Estoque, R.C., 2012. Geographically weighted regression in geospatial analysis. In *Progress in Geospatial Analysis* (pp. 85-96). Springer, Tokyo.

https://link.springer.com/chapter/10.1007/978-4-431-54000-7_6

Kim, J.H., Park, I.S. and Jeong, J.H., 2011. Trip Generation Model Based on Geographically Weighted Regression. *Journal of Korean Society of Transportation*, 29(2), pp.101-109.

<http://www.koreascience.or.kr/article/JAKO201113663901163.page>

Porter, J.R. and Howell, F.M., 2012. Spatial Concepts and Their Application to Geo-Sociology. In *Geographical Sociology* (pp. 83-96). Springer, Dordrecht.

https://link.springer.com/chapter/10.1007/978-94-007-3849-2_7

Yun, S.D., Delgado, M.S. and Florax, R.J.G.M., 2013, June. Smooth Coefficient Variation in Spatial Econometric Models: A Performance Comparison of Spatial STAR and GWR. In *VII World Conference of the Spatial Econometrics Association*.

http://www.rri.wvu.edu/wp-content/uploads/2013/07/Fullpaper_6.A.4.pdf

Mur, J. and Paez, A., 2012. Local weighting matrices or the necessity of flexibility. In *Defining the Spatial Scale in Modern Regional Analysis* (pp. 193-212). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007/978-3-642-31994-5_10

Appice, A., Ceci, M., Malerba, D. and Lanza, A., 2011, September. Dealing with Collinearity in Learning Regression Models from Geographically Distributed Data. In *The Second International Workshop on Mining Ubiquitous and Social Environments* (p. 1).

<http://www.everyaware.eu/resources/publications/Atzmueller-2011.pdf#page=9>

Nissi, E. and Sarra, A., 2011. Means of Geographically Weighted Regression.

<http://docsdrive.com/pdfs/ansinet/jas/0000/23435-23435.pdf>

- Dong, G. and Harris, R., Modelling Spatial Heterogeneity: a Local Approach or a Global Approach?.
https://www.geos.ed.ac.uk/~gisteac/proceedingsonline/GISRUK2013/gisruk2013_submission_48.pdf
- Artelaris, P., 2015. Local versus regime convergence regression models: a comparison of two approaches. *GeoJournal*, 80(2), pp.263-277.
<https://link.springer.com/article/10.1007/s10708-014-9551-0>
- Lin, J. and Cromley, R.G., 2015. A local polycategorical approach to areal interpolation. *Computers, environment and urban systems*, 54, pp.23-31.
<https://www.sciencedirect.com/science/article/pii/S0198971515000605>
- Murakami, D. and Tsutsumi, M., 2015. Area-to-point parameter estimation with geographically weighted regression. *Journal of Geographical Systems*, 17(3), pp.207-225.
<https://link.springer.com/article/10.1007/s10109-015-0212-8>
- Harris, P., Brunsdon, C., Gollini, I., Nakaya, T. and Charlton, M., 2015. Using bootstrap methods to investigate coefficient non-stationarity in regression models: an empirical case study. *Procedia Environmental Sciences*, 27, pp.112-115.
<https://www.sciencedirect.com/science/article/pii/S1878029615003187>
- Wang, X.C., 2014. Limited and censored dependent variable models. In *Handbook of Regional Science* (pp. 1619-1635). Springer, Berlin, Heidelberg.
https://link.springer.com/referenceworkentry/10.1007%2F978-3-642-23430-9_92
- Fábián, Z., 2014. Method of the Geographically Weighted Regression and an Example for its Application. *Regional Statistics: journal of the Hungarian Central Statistical Office*, 4(1), pp.61-75.
<https://www.cceol.com/search/article-detail?id=133675>
- Pongoh, F., Sumertajaya, I.M. and Aidi, M.N., 2015. Geographichal Weighted Regression and Mix Geographichal Weighted Regression. *International Journal of Statistics and Applications*, 5(1), pp.1-4.
<http://article.sapub.org/10.5923.j.statistics.20150501.01.html>
- Cromley, R.G. and Hanink, D.M., 2014. Visualizing robust geographically weighted parameter estimates. *Cartography and Geographic Information Science*, 41(1), pp.100-110.
https://www.tandfonline.com/doi/abs/10.1080/15230406.2013.831205?casa_token=HvU8i7Deo9gAAAAA:bNsDtrMfNPPnwCyM5k9WF0jQmTOZDDwdRKsHMAvyh0HH-FViXyHEdwRCDKfkU5XdGubgXyMvvbwNMQ
- Purhadi, B.W.O. and Purnami, S.W., 2015. Parameter Estimation of Geographically Weigthed Multivariate Poisson Regression. *Applied Mathematical Sciences*, 9(82), pp.4081-4093.
<https://pdfs.semanticscholar.org/b322/2638a7d6db7ee254b3a5050e749a6266e1dd.pdf>

Meermeyer, M., 2015. Weighted linear regression models with fixed weights and spherical disturbances. *Computational Statistics*, 30(4), pp.929-955.

<https://link.springer.com/article/10.1007/s00180-015-0572-z>

Lu, B., Brunson, C., Charlton, M. and Harris, P., 2017. Geographically weighted regression with parameter-specific distance metrics. *International Journal of Geographical Information Science*, 31(5), pp.982-998.

https://www.tandfonline.com/doi/abs/10.1080/13658816.2016.1263731?casa_token=Sw4ikKGNKfoAAAAA:242ScIzdUK0cXLzEL758yg2SN8G5VLmgPbiEZX_BF0MR5fSdj1O5qenyDNMjIMwU5bONrx8KcK0s

Mei, C.L., Xu, M. and Wang, N., 2016. A bootstrap test for constant coefficients in geographically weighted regression models. *International Journal of Geographical Information Science*, 30(8), pp.1622-1643.

https://www.tandfonline.com/doi/abs/10.1080/13658816.2016.1149181?casa_token=brwLitdraUAAAAA:DLlgeZrhuFSvyEvwuVsg-BXxmz3vBOud-L6pSCmvpiNo0gI2FrFqa05w5IR9bMcBZ83sY3_C5UTB

Leong, Y.Y. and Yue, J.C., 2017. A modification to geographically weighted regression. *International journal of health geographics*, 16(1), p.11.

<https://ij-healthgeographics.biomedcentral.com/articles/10.1186/s12942-017-0085-9>

Kordi, M. and Fotheringham, A.S., 2016. Spatially Weighted Interaction Models (SWIM). *Annals of the American Association of Geographers*, 106(5), pp.990-1012.

https://www.tandfonline.com/doi/abs/10.1080/24694452.2016.1191990?casa_token=OuixEmjh5rAAAAAA:JquMDpIMZJtd4uKFhk_NxjdOtUzWwfqQBkDevG5_gzcQqfDUN00QtigP6f1qOH29jLrMCg1BjoLh

Harris, R., 2016. Local Statistics and Place-Based Analysis. *International Encyclopedia of Geography: People, the Earth, Environment and Technology: People, the Earth, Environment and Technology*, pp.1-11.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/9781118786352.wbieg0491>

Oshan, T. and Fotheringham, A.S., 2016, January. A Closer Examination of Spatial-Filter-Based Local Models. In *International Conference on GIScience Short Paper Proceedings* (Vol. 1, No. 1).

<https://cloudfront.escholarship.org/dist/prd/content/qt04t0t6ds/qt04t0t6ds.pdf>

Murakami, D., Lu, B., Harris, P., Brunson, C., Charlton, M., Nakaya, T. and Griffith, D.A., 2017. The importance of scale in spatially varying coefficient modeling. *arXiv preprint arXiv:1709.08764*.

<https://arxiv.org/abs/1709.08764>

Irfan, M., Koj, A., Thomas, H. and Sedighi, M., 2016. Geographical General Regression Neural Network (GGRNN) tool for geographically weighted regression analysis. *Geoprocessing2016*, pp.154-159.

<http://orca.cf.ac.uk/91693/>

Wang, W. and Li, D., 2017. Structure identification and variable selection in geographically weighted regression models. *Journal of Statistical Computation and Simulation*, 87(10), pp.2050-2068.

https://www.tandfonline.com/doi/abs/10.1080/00949655.2017.1311896?casa_token=uzWOlu8mXQ8AAAAA:ot_5qyiFUbN8-od7Ycpa45UNyoSReDSu79P2YXzwmaj79jYQlikFefhqxF8UVIfk7gh7_bHE6D3n

Xu, M., Mei, C.L. and Hou, S.J., 2016. Local-linear likelihood estimation of geographically weighted generalised linear models. *Journal of Spatial Science*, 61(1), pp.99-117.

<https://www.tandfonline.com/doi/abs/10.1080/14498596.2016.1138245>

Lin, J., Cromley, R.G. and Hanink, D.M., 2016. Mapping local regression for spatial object-pairs. *Cartography and Geographic Information Science*, 43(4), pp.328-337.

https://www.tandfonline.com/doi/abs/10.1080/15230406.2015.1081832?casa_token=2MRTeArPN2EAAAAA:CjLTGSTfx92mwmEoZ_GwtWuZwg6q4TrKN-Dogdh8-8QIYCyr9XPBm3AqSvEVf2QzXB8ORJ4d6bo

Mar'ah, Z., Djuraidah, A. and Wigena, A.H., Semi-parametric Geographically Weighted Regression Modelling using Linear Model of Coregionalization.

https://www.researchgate.net/profile/Zakiyah_Marah/publication/318285119_Semi-parametric_Geographically_Weighted_Regression_Modelling_using_Linear_Model_of_Coregionalization/links/5960da5ea6fdccc9b1f96ccf/Semi-parametric-Geographically-Weighted-Regression-Modelling-using-Linear-Model-of-Coregionalization.pdf

Harris, T.M., 2017. Exploratory Spatial Data Analysis: Tight Coupling Data and Space, Spatial Data Mining, and Hypothesis Generation. In *Regional Research Frontiers-Vol. 2*(pp. 181-191). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-50590-9_11

Dearmon, J. and Smith, T.E., 2016. Local Marginal Analysis of Spatial Data: A Gaussian Process Regression Approach with Bayesian Model and Kernel Averaging. In *Spatial Econometrics: Qualitative and Limited Dependent Variables*(pp. 297-342). Emerald Group Publishing Limited.

<https://www.emeraldinsight.com/doi/abs/10.1108/S0731-905320160000037018>

Wulandari, R., Saefuddin, A. and Afendi, F.M., Application Geographically Weighted Ridge Regression and Geographically Weighted Lasso in Case Correlation of Covariate.

<https://www.ijser.org/researchpaper/Application-Geographically-Weighted-Ridge-Regression-and-Geographically-Weighted-Lasso-in-Case-Correlation-of-Covariate.pdf>

Bidanset, P.E., Lombard, J.R., Davis, P., McCord, M. and McCluskey, W.J., 2017. Further Evaluating the Impact of Kernel and Bandwidth Specifications of Geographically Weighted Regression on the Equity and Uniformity of Mass Appraisal Models. In *Advances in Automated Valuation Modeling* (pp. 191-199). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-49746-4_11

Sodikin, I., Pramoedyo, H. and Astutik, S., GEOGRAPHICALLY WEIGHTED REGRESSION AND BAYESIAN GEOGRAPHICALLY WEIGHTED REGRESSION MODELLING WITH ADAPTIVE GAUSSIAN KERNEL WEIGHT FUNCTION ON THE POVERTY LEVEL IN WEST JAVA PROVINCE.

<http://www.doarj.org/ijhrss/wp-content/uploads/sites/5/2017/07/F011030.pdf>

Roca-Pardiñas, J., Ordóñez, C., Cotos-Yáñez, T.R. and Pérez-Álvarez, R., 2017. Testing spatial heterogeneity in geographically weighted principal components analysis. *International Journal of Geographical Information Science*, 31(4), pp.676-693.

https://www.tandfonline.com/doi/abs/10.1080/13658816.2016.1224886?casa_token=CEU4CItZGx8AAAAA:pFaMkHaZzGR7khkf5KMT8zDePSKJIPPYIKdaUU3ISyshI9Ya9MY8qdXPvUuIVBu7KZxhYtgoQ9r

Leong, Y.Y. and Yue, J.C., of the paper: A Modification to Geographically Weighted Regression.

https://www.researchgate.net/profile/Jack_Yue/publication/315905401_A_modification_to_geographically_weighted_regression/links/58f4cf6ba6fdcc11e569f9c5/A-modification-to-geographically-weighted-regression.pdf

Putri, D.E. and Prastyo, D.D., 2017, October. Parameter estimation and hypothesis testing on geographically weighted gamma regression. In *Journal of Physics: Conference Series*(Vol. 893, No. 1, p. 012025). IOP Publishing.

<http://iopscience.iop.org/article/10.1088/1742-6596/893/1/012025/meta>

Wolf, L.J., Oshan, T.M. and Fotheringham, A.S., 2018. Single and multiscale models of process spatial heterogeneity. *Geographical Analysis*, 50(3), pp.223-246.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/gean.12147>

Comber, A., Chi, K., Quang Huy, M., Nguyen, Q., Lu, B., Huu Phe, H. and Harris, P., 2018. Distance metric choice can both reduce and induce collinearity in geographically weighted regression. *Environment and Planning B: Urban Analytics and City Science*.

<http://eprints.whiterose.ac.uk/131530/>

He, D., Zhong, Y. and Zhang, L., 2018. Spatiotemporal Subpixel Geographical Evolution Mapping. *IEEE Transactions on Geoscience and Remote Sensing*.

<https://ieeexplore.ieee.org/abstract/document/8519793>

Tsutsumida, N., Rodríguez-Veiga, P., Harris, P., Balzter, H. and Comber, A., 2019. Investigating spatial error structures in continuous raster data. *International Journal of Applied Earth Observation and Geoinformation*, 74, pp.259-268.

<https://www.sciencedirect.com/science/article/pii/S0303243418306627>

Liu, Y., Lam, K.F., Wu, J.T. and Lam, T.T.Y., 2018. Geographically weighted temporally correlated logistic regression model. *Scientific reports*, 8(1), p.1417.

<https://www.nature.com/articles/s41598-018-19772-6>

da Silva, A.R. and Mendes, F.F., 2018. On comparing some algorithms for finding the optimal bandwidth in Geographically Weighted Regression. *Applied Soft Computing*, 73, pp.943-957.
<https://www.sciencedirect.com/science/article/pii/S1568494618305507>

Murakami, D. and Griffith, D.A., 2018. Spatially varying coefficient modeling for large datasets: Eliminating N from spatial regressions. *arXiv preprint arXiv:1807.09681*.
<https://arxiv.org/abs/1807.09681>

Lu, B., Yang, W., Ge, Y. and Harris, P., 2018. Improvements to the calibration of a geographically weighted regression with parameter-specific distance metrics and bandwidths. *Computers, Environment and Urban Systems*.
<https://www.sciencedirect.com/science/article/pii/S0198971517303447>

Li, D. and Mei, C., 2018. A two-stage estimation method with bootstrap inference for semi-parametric geographically weighted generalized linear models. *International Journal of Geographical Information Science*, pp.1-24.
https://www.tandfonline.com/doi/abs/10.1080/13658816.2018.1463443?casa_token=PMCazcUws1AAAAAA:9e5ChFqI8L4KMI9HjzR33Zb93hSOY4k8LjkbmXLTHqOeeWtlM1NVOe-4jLNpLz0OuaqcSo4VZbe4

Li, K. and Lam, N.S., 2018. Geographically Weighted Elastic Net: A Variable-Selection and Modeling Method under the Spatially Nonstationary Condition. *Annals of the American Association of Geographers*, pp.1-19.
https://www.tandfonline.com/doi/abs/10.1080/24694452.2018.1425129?casa_token=yGJC4lwY9zcAAAAA:LRWSS0ZQxYgIYHq_5RntMLzEM93nLtJxQHsO0kxYY0Pj75PP-sHj6qhGq8bsdAcSHxjqIhuIDmrY

Comber, A. and Harris, P., 2018. Geographically weighted elastic net logistic regression. *Journal of Geographical Systems*, 20(4), pp.317-341.
<https://link.springer.com/article/10.1007/s10109-018-0280-7>

Mu, J., Wang, G. and Wang, L., 2018. Estimation and inference in spatially varying coefficient models. *Environmetrics*, 29(1), p.e2485.
<https://onlinelibrary.wiley.com/doi/full/10.1002/env.2485>

Wang, W., Xu, S. and Yan, T., 2018. Structure identification and model selection in geographically weighted quantile regression models. *Spatial Statistics*.
<https://www.sciencedirect.com/science/article/pii/S2211675317303366>

Agiakloglou, C., Tsimbos, C. and Tsimpanos, A., 2018. Evidence of spurious results along with spatially autocorrelated errors in the context of geographically weighted regression for two independent SAR (1) processes. *Empirical Economics*, pp.1-19.
<https://link.springer.com/article/10.1007/s00181-018-1510-z>

Kartiko, S.H. and Budiantara, I.N., 2018. Development of nonparametric geographically weighted regression using truncated spline approach. *Songklanakarin Journal of Science & Technology*, 40(4).

<https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=01253395&AN=131769106&h=hk206vVoG9Qs4wxU5DxMazDBep6WjjSTHdLQw1jw9iCIkdm%2bidsXqZWhzFhSdSJKhd29xst47FFiqmZy8Xc%2bRw%3d%3d&crI=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crIhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d01253395%26AN%3d131769106>

Soemartojo, S.M., Ghaisani, R.D., Siswantining, T., Shahab, M.R. and Ariyanto, M.M., 2018, September. Parameter estimation of geographically weighted regression (GWR) model using weighted least square and its application. In *AIP Conference Proceedings* (Vol. 2014, No. 1, p. 020081). AIP Publishing.

<https://aip.scitation.org/doi/abs/10.1063/1.5054485>

Edayu, Z.N. and Syerrina, Z., 2018, June. A statistical analysis for geographical weighted regression. In *IOP Conference Series: Earth and Environmental Science* (Vol. 169, No. 1, p. 012105). IOP Publishing.

<https://iopscience.iop.org/article/10.1088/1755-1315/169/1/012105/meta>

Madetoja, J., 2018. Error propagation in geographically weighted regression.

<https://aaltoodoc.aalto.fi/handle/123456789/29575>

Fotheringham, A.S. and Brunson, C., 1999. Local forms of spatial analysis. *Geographical analysis*, 31(4), pp.340-358.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1538-4632.1999.tb00989.x>

Brunson, C., Fotheringham, A.S. and Charlton, M., 1999. Some notes on parametric significance tests for geographically weighted regression. *Journal of Regional science*, 39(3), pp.497-524.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/0022-4146.00146>

Leung, Y., Mei, C.L. and Zhang, W.X., 2000. Statistical tests for spatial nonstationarity based on the geographically weighted regression model. *Environment and Planning A*, 32(1), pp.9-32.

https://journals.sagepub.com/doi/abs/10.1068/a3162?casa_token=HG2Qe-SPFEEAAAAA%3A5QkfKYnPLYyjIHxNARCuB6xnWfNChpEnysl5gYSoXTyyzemwViNIIjT5gqgm1UZBXsrxDdY8Va-1

Páez, A., Uchida, T. and Miyamoto, K., 2002. A general framework for estimation and inference of geographically weighted regression models: 1. Location-specific kernel bandwidths and a test for locational heterogeneity. *Environment and Planning A*, 34(4), pp.733-754.

https://journals.sagepub.com/doi/abs/10.1068/a34110?casa_token=uDIGWkPgWocAAAAA%3AY8pw6mcFUq4Ozeam1rH0M9ye7cj15Oa4VILu-UIF08ZlCew2_iOyYwrj9rXZaZ2rmIbgiBnVSTG4

Laffan, S.W., 1999, July. Spatially assessing model error using geographically weighted regression. In *Proceedings of the 4th International Conference on GeoComputation*.
http://www.geocomputation.org/1999/086/gc_086.htm

Fotheringham, A.S., 2000. GeoComputation analysis and modern spatial data. In *GeoComputation* (pp. 33-48). London, UK: Taylor & Francis.
<https://books.google.co.uk/books?hl=en&lr=&id=zTc7Rl8F3sUC&oi=fnd&pg=PA32&ots=SpUrrxlW19&sig=sOEflZ-HFq4gwRln5v5b0Bn4aZ0#v=onepage&q&f=false>

Changlin, M., Wenxiu, Z. and Yee, L., 2001. Statistical inferences for varying-coefficient models based on locally weighted regression technique. *Acta Mathematicae Applicatae Sinica*, 17(3), pp.407-417.
<https://link.springer.com/article/10.1007/BF02677386>

Brunsdon, C., Fotheringham, S. and Charlton, M., 2002, September. Geographically weighted local statistics applied to binary data. In *International Conference on Geographic Information Science* (pp. 38-50). Springer, Berlin, Heidelberg.
https://link.springer.com/chapter/10.1007/3-540-45799-2_3

Brunsdon, C., Fotheringham, S. and Charlton, M., 2000. Geographically weighted regression as a statistical model.
<http://eprints.maynoothuniversity.ie/5975/>

Brunsdon, C., Fotheringham, A.S. and Charlton, M., 1998. Spatial nonstationarity and autoregressive models. *Environment and Planning A*, 30(6), pp.957-973.
<https://journals.sagepub.com/doi/abs/10.1068/a300957>

Mei, C.L., He, S.Y. and Fang, K.T., 2004. A note on the mixed geographically weighted regression model. *Journal of Regional Science*, 44(1), pp.143-157.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1085-9489.2004.00331.x>

Nakaya, T., Fotheringham, S., Charlton, M. and Brunsdon, C., 2009. Semiparametric geographically weighted generalised linear modelling in GWR 4.0.
http://eprints.maynoothuniversity.ie/4846/1/MC_Semiparametric.pdf

Nakaya, T., 2015. Geographically weighted generalised linear modelling. *Geocomputation: A practical primer*, pp.217-20.
<https://books.google.co.uk/books?hl=en&lr=&id=Dr6ICwAAQBAJ&oi=fnd&pg=PA201&ots=8GA47acFSh&sig=kLzFcMneEJca-EgecqainOqFVIs#v=onepage&q&f=false>

Mur, J., López, F. and Angulo, A., 2008. Symptoms of instability in models of spatial dependence. *Geographical Analysis*, 40(2), pp.189-211.
<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1538-4632.2008.00719.x>

Páez, A., 2005, May. Local analysis of spatial relationships: A comparison of GWR and the expansion method. In *International Conference on Computational Science and Its Applications* (pp. 162-172). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007/11424857_18

Yu, D., Peterson, N.A. and Reid, R.J., 2009. Exploring the impact of non-normality on spatial non-stationarity in geographically weighted regression analyses: Tobacco outlet density in New Jersey. *GIScience & Remote Sensing*, 46(3), pp.329-346.

https://www.tandfonline.com/doi/abs/10.2747/1548-1603.46.3.329?casa_token=N75MFhQkQMkAAAAA:F4neW27fnjFiekwJ8gMC-86R9xjZweQ8iteIBm5cR6jkgzb6D9D-RYfB_YDvSCCddJ70w40hnb7q

Zhao, F., Chow, L., Li, M. and Liu, X., 2005. A transit ridership model based on geographically weighted regression and service quality variables. *Lehman Center for Transportation Research, Florida International University, Miami, Florida*. http://lctr.eng.fiu.edu/re-project-link/finalDO97591_BW.pdf (accessed December 12, 2010).

<http://eprints.maynoothuniversity.ie/5760/>

López, F., Mur, J. and Angulo, A., 2010. Local estimation of spatial autocorrelation processes. In *Progress in Spatial Analysis* (pp. 93-116). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007/978-3-642-03326-1_6

Chambers, R., Tzavidis, N. and Salvati, N., 2009. Borrowing strength over space in small area estimation: Comparing parametric, semi-parametric and non-parametric random effects and M-quantile small area models.

<https://ro.uow.edu.au/cssmwp/32/>

Lebreton, M., 2005. The NCSTAR model as an alternative to the GWR model. *Physica A: Statistical Mechanics and its Applications*, 355(1), pp.77-84.

<https://www.sciencedirect.com/science/article/pii/S0378437105002785>

Kim, S.W., Jeong, A.R. and Lee, S.D., 2005. Comparison between Kriging and GWR for the Spatial Data. *Korean Journal of Applied Statistics*, 18(2), pp.271-280.

<http://www.koreascience.or.kr/article/JAKO200504704357923.page>

Leung, Y., 2010. Discovery of Spatial Relationships in Spatial Data. In *Knowledge Discovery in Spatial Data* (pp. 223-276). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007/978-3-642-02664-5_5

Chambers, R., Pratesi, M., Salvati, N. and Tzavidis, N., 2007. M-quantile Geographically Weighted Models with Application to Small Area Estimation. In *Small Area Estimation 2007*.

<https://arpi.unipi.it/handle/11568/115868#.XDKYgFxKi00>

Salvati, N., Tzavidis, N., Pratesi, M. and Chambers, R., 2012. Small area estimation via M-quantile geographically weighted regression. *Test*, 21(1), pp.1-28.

<https://link.springer.com/article/10.1007/s11749-010-0231-1>

Nissi, E. and Sarra, A., 2008. Spatial structure effects in spatial interaction model: a Geographically Weighted Regression (GWR) approach. *MTISD 2008. Methods, Models and Information Technologies for Decision Support Systems*, 1(1), pp.357-360.
<http://siba-ese.unile.it/index.php/MTISD2008/article/view/7857>

Kong, L., Yang, H., Kang, X.G. and Zhao, J.H., 2010, August. Correlation analysis between crown width and DBH using Geographically Weighted Regression. In *Fuzzy Systems and Knowledge Discovery (FSKD), 2010 Seventh International Conference on* (Vol. 4, pp. 1689-1693). IEEE.
https://s3.amazonaws.com/academia.edu.documents/31967556/05569386.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1546823675&Signature=0JkavbzRtOL2oQ8otqhmSuZjotI%3D&response-content-disposition=inline%3B%20filename%3DCorrelation_analysis_between_crown_width.pdf

Qin, W. and Wang, J., 2006, October. Exploring spatial relationship non-stationary based on GWR and GIS. In *Geoinformatics 2006: Geospatial Information Science* (Vol. 6420, p. 64201X). International Society for Optics and Photonics.
<https://www.spiedigitallibrary.org/conference-proceedings-of-spie/6420/64201X/Exploring-spatial-relationship-non-stationary-based-on-GWR-and-GIS/10.1117/12.712983.short>

JHA, D.N., 2009. *A study on spatial regression models under measurement errors framework* (Doctoral dissertation).
<http://krishikosh.egranth.ac.in/handle/1/93090>

Fotheringham, A.S., Charlton, M.E. and Brunson, C., 2006. The Geography of Parameter Space: Ten Years On. *Classics from IJGIS: Twenty years of the International Journal of Geographical Information Science and Systems*, p.321.
<https://books.google.co.uk/books?hl=en&lr=&id=7dPLBQAAQBAJ&oi=fnd&pg=PA321&ots=qCfrN9d-tq&sig=xc9CXB7VPhhK-3MUx4MGvsBQP24#v=onepage&q&f=false>

Brunson, C., Charlton, M. and Harris, P., 2012. Living with collinearity in local regression models.
<http://eprints.maynoothuniversity.ie/5755/>

Chandra, H., Salvati, N., Chambers, R. and Tzavidis, N., 2012. Small area estimation under spatial nonstationarity. *Computational Statistics & Data Analysis*, 56(10), pp.2875-2888.
<https://www.sciencedirect.com/science/article/pii/S0167947312000734>

Zhang, H. and Mei, C., 2011. Local least absolute deviation estimation of spatially varying coefficient models: robust geographically weighted regression approaches. *International Journal of Geographical Information Science*, 25(9), pp.1467-1489.
<https://www.tandfonline.com/doi/abs/10.1080/13658816.2010.528420>

Lu, B., Charlton, M. and Harris, P., 2012, August. Geographically Weighted Regression using a non-euclidean distance metric with simulation data. In *Agro-Geoinformatics (Agro-Geoinformatics), 2012 First International Conference on* (pp. 1-4). IEEE.

<https://ieeexplore.ieee.org/abstract/document/6311652>

Yanling, H. and Long, Z.H., 2011, December. 2SLS estimation for the GWR-SL model. In *Transportation, Mechanical, and Electrical Engineering (TMEE), 2011 International Conference on* (pp. 1775-1779). IEEE.

<https://ieeexplore.ieee.org/abstract/document/6199557>

Devkota, M.L., Hatfield, G. and Chintala, R., 2014. Effect of sample size on the performance of ordinary least squares and geographically weighted regression. *British Journal of Mathematics & Computer Science*, 4(1), p.1.

https://s3.amazonaws.com/academia.edu.documents/34506618/Devkota412013BJMCS6050.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1546832799&Signature=DyxZeAeWVw3drtoDXtQl%2FDtecuA%3D&response-content-disposition=inline%3B%20filename%3DEffect_of_Sample_Size_on_the_Performance.pdf

Calzada, A., Liu, J., Wang, H. and Kashyap, A., 2013, October. A novel spatial belief rule-based intelligent decision support system. In *Systems, Man, and Cybernetics (SMC), 2013 IEEE International Conference on* (pp. 639-644). IEEE.

<https://ieeexplore.ieee.org/abstract/document/6721867>

Farahmand, S., Sameti, M. and Salahaldin Sasan, S., 2014. Spatial Variations of β -Convergence Coefficient in Asia (The GWR Approach). *Iranian Economic Review*, 18(1), pp.81-101.

https://ier.ut.ac.ir/article_53290_2299ea3cc1a930559771f69bfde5a88b.pdf

Comber, A., Brunson, C., Charlton, M. and Harris, P., 2017. Geographically weighted correspondence matrices for local error reporting and change analyses: mapping the spatial distribution of errors and change. *Remote Sensing Letters*, 8(3), pp.234-243.

<https://www.tandfonline.com/doi/abs/10.1080/2150704X.2016.1258126>

Harris, P., Brunson, C., Lu, B., Nakaya, T. and Charlton, M., 2017. Introducing bootstrap methods to investigate coefficient non-stationarity in spatial regression models. *Spatial Statistics*, 21, pp.241-261.

<https://www.sciencedirect.com/science/article/pii/S2211675317300325>

Behrens, T., Schmidt, K., Viscarra Rossel, R.A., Gries, P., Scholten, T. and MacMillan, R.A., 2018. Spatial modelling with Euclidean distance fields and machine learning. *European journal of soil science*, 69(5), pp.757-770.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ejss.12687>

Geniaux, G. and Martinetti, D., 2018. A new method for dealing simultaneously with spatial autocorrelation and spatial heterogeneity in regression models. *Regional Science and Urban Economics*, 72, pp.74-85.

<https://www.sciencedirect.com/science/article/pii/S0166046216302381>

Chandra, H., Salvati, N. and Chambers, R., 2017. Small area prediction of counts under a non-stationary spatial model. *Spatial statistics*, 20, pp.30-56.

<https://www.sciencedirect.com/science/article/pii/S2211675317300337>

Comber, A., Harris, P. and Tsutsumida, N., 2017. Time: the late arrival at the Geocomputation party and the need for considered approaches to spatio-temporal analyses. Geocomputation.

<http://www.geog.leeds.ac.uk/groups/geocomp/2017/papers/19.pdf>

Ribeiro, M.C., Sousa, A.J. and Pereira, M.J., 2016. A coregionalization model can assist specification of geographically weighted poisson regression: application to an ecological study. *Spatial and spatio-temporal epidemiology*, 17, pp.1-13.

<https://www.sciencedirect.com/science/article/abs/pii/S1877584516000289>

Liu, J., Zhao, Y., Yang, Y., Xu, S., Zhang, F., Zhang, X., Shi, L. and Qiu, A., 2017. A mixed geographically and temporally weighted regression: Exploring spatial-temporal variations from global and local perspectives. *Entropy*, 19(2), p.53.

<https://www.mdpi.com/1099-4300/19/2/53/htm>

Wei, C., Liu, C. and Gui, F., 2017. Geographically weight seemingly unrelated regression (GWSUR): a method for exploring spatio-temporal heterogeneity. *Applied Economics*, 49(42), pp.4189-4195.

<https://www.tandfonline.com/doi/abs/10.1080/00036846.2017.1279266>

Deng, M., Yang, W. and Liu, Q., 2017. Geographically Weighted Extreme Learning Machine: A Method for Space-Time Prediction. *Geographical Analysis*, 49(4), pp.433-450.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/gean.12127>

da Silva, A.R. and de Oliveira Lima, A., 2017. Geographically weighted beta regression. *Spatial Statistics*, 21, pp.279-303.

<https://www.sciencedirect.com/science/article/pii/S2211675317300179>

Ribeiro, M.C., Sousa, A.J. and Pereira, M.J., 2015. A coregionalization model to assist the selection process of local and global variables in semi-parametric geographically weighted poisson regression. *Procedia Environmental Sciences*, 26, pp.53-56.

<https://www.sciencedirect.com/science/article/pii/S1878029615001905>

Timofeev, V.S., Shchekoldin, V.Y. and Timofeeva, A.Y., 2016, October. Geographically weighted regression: Fitting to spatial location. In *2016 13th International Scientific-Technical Conference on Actual Problems of Electronics Instrument Engineering (APEIE)* (Vol. 2, pp. 358-363). IEEE.

<https://ieeexplore.ieee.org/abstract/document/7806489>

Shim, J. and Hwang, C., 2016. Geographically weighted kernel logistic regression for small area proportion estimation. *한국데이터정보과학회지*, 27(2), pp.531-538.

<http://www.dbpia.co.kr/Journal/ArticleDetail/NODE07245298>

Purhadi, B.W.O. and Purnami, S.W., 2015. Parameter Estimation of Geographically Weighed Multivariate Poisson Regression. *Applied Mathematical Sciences*, 9(82), pp.4081-4093.
<http://www.jatit.org/volumes/Vol92No1/6Vol92No1.pdf>

Tran, H.T., Nguyen, H.T. and Tran, V.T., 2016, October. Large-scale geographically weighted regression on Spark. In *Knowledge and Systems Engineering (KSE), 2016 Eighth International Conference on* (pp. 127-132). IEEE.
<https://ieeexplore.ieee.org/abstract/document/7758041>

Amalia, J., Purhadi and Otok, B.W., 2017, November. Parameter estimation and statistical test of geographically weighted bivariate Poisson inverse Gaussian regression models. In *AIP Conference Proceedings* (Vol. 1905, No. 1, p. 050005). AIP Publishing.
<https://aip.scitation.org/doi/abs/10.1063/1.5012224>

Bidanset, P.E. and Lombard, J.R., 2017. Optimal kernel and bandwidth specifications for geographically weighted regression. *Applied Spatial Modelling and Planning*.
<https://books.google.co.uk/books?hl=en&lr=&id=cDolDwAAQBAJ&oi=fnd&pg=PA107&ots=0-IGLqdnCe&sig=rm439twk7IjNc1KH3YkMo8y2vX0#v=onepage&q&f=false>

Arbia, G., 2014. Further Topics in Spatial Econometrics. In *A Primer for Spatial Econometrics* (pp. 99-166). Palgrave Macmillan, London.
https://link.springer.com/chapter/10.1057/9781137317940_4

da Silva, A.R. and Rodrigues, T.C.V., 2014. Geographically weighted negative binomial regression—incorporating overdispersion. *Statistics and Computing*, 24(5), pp.769-783.
<https://link.springer.com/article/10.1007/s11222-013-9401-9>

Tutmez, B., 2012. Spatial dependence-based fuzzy regression clustering. *Applied Soft Computing*, 12(1), pp.1-13.
<https://www.sciencedirect.com/science/article/pii/S1568494611003929>

Yasin, H., 2011. Pemilihan variabel pada model geographically weighted regression. *Media Statistika*, 4(2), pp.63-72.
<http://eprints.undip.ac.id/33669/>

Basile, R., Kayam, S., Mínguez, R., Montero, J.M. and Mur, J., 2015. Semiparametric spatial autoregressive geoaddivitive models. In *Complexity and Geographical Economics* (pp. 73-98). Springer, Cham.
https://link.springer.com/chapter/10.1007/978-3-319-12805-4_4

Luo, J., 2009, August. Parameter estimation in geographically weighted regression. In *Geoinformatics, 2009 17th International Conference on* (pp. 1-6). IEEE.
<https://ieeexplore.ieee.org/abstract/document/5292988>

Mas, J.F., 2019. Comparison of techniques for missing lines reconstruction of RapidEye imagery. *Journal of Applied Remote Sensing*, 13(1), p.016509.

<https://www.spiedigitallibrary.org/journals/Journal-of-Applied-Remote-Sensing/volume-13/issue-1/016509/Comparison-of-techniques-for-missing-lines-reconstruction-of-RapidEye-imagery/10.1117/1.JRS.13.016509.short?SSO=1>

Jana, S.V.O.B.O.D.O.V.Á., Lukáš, M.A.R.E.K. and Pavel, T.U.Č.E.K., ANALYSIS OF THE RELATIONSHIPS AMONG ERROR VALUES AND VALUES OF MORPHOMETRIC PARAMETERS DERIVED FROM THE DEM.

https://www.researchgate.net/profile/Lukas-Marek/publication/294874489_Analysis_of_the_relationships_among_error_values_and_values_of_morphometric_parameters_derived_from_DEM/links/56c4e69f08ae7fd4625a48b4/Analysis-of-the-relationships-among-error-values-and-values-of-morphometric-parameters-derived-from-DEM.pdf

Ko, J.H., Matsuzaki, A. and Yoo, D., 2016. The Geography of Gravity.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2765144

Amaliana, L. and Fernandes, A.A.R., 2018, September. Comparison of Two Weighting Functions in Geographically Weighted Zero-Inflated Poisson Regression on Filariasis Data. In *Journal of Physics: Conference Series* (Vol. 1097, No. 1, p. 012070). IOP Publishing.

<https://iopscience.iop.org/article/10.1088/1742-6596/1097/1/012070/meta>

Harris, P., Brunson, C. and Charlton, M., 2013. The comap as a diagnostic tool for non-stationary kriging models. *International Journal of Geographical Information Science*, 27(3), pp.511-541.

<https://www.tandfonline.com/doi/abs/10.1080/13658816.2012.698014>

Oshan, T., Wolf, L.J., Fotheringham, A.S., Kang, W., Li, Z. and Yu, H., 2019. A comment on geographically weighted regression with parameter-specific distance metrics. *International Journal of Geographical Information Science*, pp.1-12.

<https://www.tandfonline.com/doi/abs/10.1080/13658816.2019.1572895>

Lu, B., Brunson, C., Charlton, M. and Harris, P., 2019. A response to 'A comment on geographically weighted regression with parameter-specific distance metrics'. *International Journal of Geographical Information Science*, 33(7), pp.1300-1312.

<https://www.tandfonline.com/doi/full/10.1080/13658816.2019.1585541>

Tasyurek, M. and Celik, M., 2020. RNN-GWR: A geographically weighted regression approach for frequently updated data. *Neurocomputing*.

<https://doi.org/10.1016/j.neucom.2020.02.058>

Murakami, D., Tsutsumida, N., Yoshida, T., Nakaya, T. and Lu, B., 2020. Scalable GWR: A linear-time algorithm for large-scale geographically weighted regression with polynomial kernels. *Annals of the American Association of Geographers*, pp.1-22.

<https://doi.org/10.1080/24694452.2020.1774350>

Yang, Z., Dai, W., Santerre, R., Kuang, C. and Shi, Q., 2019. A Spatiotemporal Deformation Modelling Method Based on Geographically and Temporally Weighted Regression. *Mathematical Problems in Engineering*, 2019.

<https://doi.org/10.1155/2019/4352396>

Li, Z. and Fotheringham, A.S., 2020. Computational improvements to multi-scale geographically weighted regression. *International Journal of Geographical Information Science*, pp.1-20.

<https://doi.org/10.1080/13658816.2020.1720692>

Du, Z., Wang, Z., Wu, S., Zhang, F. and Liu, R., 2020. Geographically neural network weighted regression for the accurate estimation of spatial non-stationarity. *International Journal of Geographical Information Science*, pp.1-25.

<https://doi.org/10.1080/13658816.2019.1707834>

Wang, Q., Shi, W. and Atkinson, P.M., 2019. Information Loss-Guided Multi-Resolution Image Fusion. *IEEE Transactions on Geoscience and Remote Sensing*, 58(1), pp.45-57.

<https://doi.org/10.1109/TGRS.2019.2930764>

Li, Z., Fotheringham, A.S., Oshan, T.M. and Wolf, L.J., 2020. Measuring Bandwidth Uncertainty in Multiscale Geographically Weighted Regression Using Akaike Weights. *Annals of the American Association of Geographers*, pp.1-21.

<https://doi.org/10.1080/24694452.2019.1704680>

Zhang, W., Liu, D., Zheng, S., Liu, S., Loaiciga, H.A. and Li, W., 2020. Regional Precipitation Model Based on Geographically and Temporally Weighted Regression Kriging. *Remote Sensing*, 12(16), p.2547.

<https://doi.org/10.3390/rs12162547>

Wu, S., Wang, Z., Du, Z., Huang, B., Zhang, F. and Liu, R., 2020. Geographically and temporally neural network weighted regression for modeling spatiotemporal non-stationary relationships. *International Journal of Geographical Information Science*, pp.1-27.

<https://doi.org/10.1080/13658816.2020.1775836>

Davies, T.J., Regetz, J., Wolkovich, E.M. and McGill, B.J., 2019. Phylogenetically weighted regression: A method for modelling non-stationarity on evolutionary trees. *Global ecology and biogeography*, 28(2), pp.275-285.

<https://doi.org/10.1111/geb.12841>

Lu, X., Tang, G., Wang, X., Liu, Y., Wei, M. and Zhang, Y., 2020. The Development of a Two-Step Merging and Downscaling Method for Satellite Precipitation Products. *Remote Sensing*, 12(3), p.398.

<https://doi.org/10.3390/rs12030398>

Xue, Y., Schifano, E.D. and Hu, G., 2019. Geographically weighted Cox regression for prostate cancer survival data in Louisiana. *Geographical Analysis*.

<https://doi.org/10.1111/gean.12223>

Chen, V.Y.J., Yang, T.C. and Matthews, S.A., 2020. Exploring Heterogeneities with Geographically Weighted Quantile Regression: An Enhancement Based on the Bootstrap Approach. *Geographical Analysis*.
<https://doi.org/10.1111/gean.12229>

Mendes, W.D.S., Neto, L.G.M., Demattê, J.A., Gallo, B.C., Rizzo, R., Safanelli, J.L. and Fongaro, C.T., 2019. Is it possible to map subsurface soil attributes by satellite spectral transfer models?. *Geoderma*, 343, pp.269-279.
<https://doi.org/10.1016/j.geoderma.2019.01.025>

Chen, D., Lu, M., Zhou, Q., Xiao, J., Ru, Y., Wei, Y. and Wu, W., 2019. Comparison of Two Synergy Approaches for Hybrid Cropland Mapping. *Remote Sensing*, 11(3), p.213.
<https://doi.org/10.3390/rs11030213>

Chen, L., Ren, C., Li, L., Wang, Y., Zhang, B., Wang, Z. and Li, L., 2019. A comparative assessment of geostatistical, machine learning, and hybrid approaches for mapping topsoil organic carbon content. *ISPRS International Journal of Geo-Information*, 8(4), p.174.
<https://doi.org/10.3390/ijgi8040174>

Guo, L., Zhang, H., Chen, Y. and Qian, J., 2019. Combining environmental factors and lab VNIR spectral data to predict SOM by geospatial techniques. *Chinese Geographical Science*, 29(2), pp.258-269.
<https://link.springer.com/article/10.1007/s11769-019-1020-8>

Peng, X., Wu, H. and Ma, L., 2020. A study on geographically weighted spatial autoregression models with spatial autoregressive disturbances. *Communications in Statistics-Theory and Methods*, 49(21), pp.5235-5251.
<https://doi.org/10.1080/03610926.2019.1615507>

Ma, Z., Xue, Y. and Hu, G., 2020. Geographically weighted regression analysis for spatial economics data: a Bayesian recourse. *International Regional Science Review*, p.0160017620959823.
<https://doi.org/10.1177/0160017620959823>

Romano, E., Mateu, J. and Butzbach, O., 2020. Heteroskedastic geographically weighted regression model for functional data. *Spatial Statistics*, p.100444.
<https://doi.org/10.1016/j.spasta.2020.100444>

Wang, W. and Sun, Y., 2019. Penalized local polynomial regression for spatial data. *Biometrics*, 75(4), pp.1179-1190.
<https://doi.org/10.1111/biom.13077>

Hazell, E.C. and Rinner, C., 2020. The impact of spatial scale: exploring urban butterfly abundance and richness patterns using multi-criteria decision analysis and principal component analysis. *International Journal of Geographical Information Science*, 34(8), pp.1648-1681.
<https://doi.org/10.1080/13658816.2019.1675072>

Harris, P., 2019. A simulation study on specifying a regression model for spatial data: Choosing between autocorrelation and heterogeneity effects. *Geographical Analysis*, 51(2), pp.151-181.
<https://doi.org/10.1111/gean.12163>

Bilgel, F., 2019. Guns and homicides: a multiscale geographically weighted instrumental variables approach. *Geographical Analysis*.
<https://doi.org/10.1111/gean.12227>

Waters, N., 2020. Motivations and methods for replication in geography: Working with data streams. *Annals of the American Association of Geographers*, pp.1-9.
<https://doi.org/10.1080/24694452.2020.1806027>

Hu, G. and Huffer, F., 2020. Modified Kaplan–Meier estimator and Nelson–Aalen estimator with geographical weighting for survival data. *Geographical Analysis*, 52(1), pp.28-48.
<https://doi.org/10.1111/gean.12185>

Ranjan, A.K., Patra, A.K. and Gorai, A.K., 2020. A Review on Estimation of Particulate Matter from Satellite-Based Aerosol Optical Depth: Data, Methods, and Challenges. *Asia-Pacific Journal of Atmospheric Sciences*, pp.1-21.
<https://link.springer.com/article/10.1007/s13143-020-00215-0>

Lin, J., 2020. A Local Model for Multivariate Analysis: Extending Wartenberg’s Multivariate Spatial Correlation. *Geographical Analysis*, 52(2), pp.190-210.
<https://doi.org/10.1111/gean.12196>

Li, F. and Sang, H., 2019. Spatial homogeneity pursuit of regression coefficients for large datasets. *Journal of the American Statistical Association*, 114(527), pp.1050-1062.
<https://doi.org/10.1080/01621459.2018.1529595>

Kazor, K. and Hering, A.S., 2019. Mixture of Regression Models for Large Spatial Datasets. *Technometrics*, 61(4), pp.507-523.
<https://doi.org/10.1080/00401706.2019.1569558>

Li, X., Wang, L., Wang, H.J. and Alzheimer’s Disease Neuroimaging Initiative, 2020. Sparse Learning and Structure Identification for Ultrahigh-Dimensional Image-on-Scalar Regression. *Journal of the American Statistical Association*, pp.1-15.
<https://doi.org/10.1080/01621459.2020.1753523>

Feng, Y. and Tong, X., 2019. Incorporation of spatial heterogeneity-weighted neighborhood into cellular automata for dynamic urban growth simulation. *GIScience & Remote Sensing*, 56(7), pp.1024-1045.
<https://doi.org/10.1080/15481603.2019.1603187>

Ma, Z., Xue, Y. and Hu, G., 2020. Heterogeneous regression models for clusters of spatial dependent data. *Spatial Economic Analysis*, pp.1-17.

<https://doi.org/10.1080/17421772.2020.1784989>

Crosby, H., Damoulas, T. and Jarvis, S.A., 2019. Embedding road networks and travel time into distance metrics for urban modelling. *International Journal of Geographical Information Science*, 33(3), pp.512-536.

<https://doi.org/10.1080/13658816.2018.1547386>

Glenk, K., Johnston, R.J., Meyerhoff, J. and Sagebiel, J., 2020. Spatial dimensions of stated preference valuation in environmental and resource economics: methods, trends and challenges. *Environmental and Resource Economics*, 75(2), pp.215-242.

<https://link.springer.com/article/10.1007/s10640-018-00311-w>

Song, Y., Wang, J., Ge, Y. and Xu, C., 2020. An optimal parameters-based geographical detector model enhances geographic characteristics of explanatory variables for spatial heterogeneity analysis: cases with different types of spatial data. *GIScience & Remote Sensing*, pp.1-17.

<https://doi.org/10.1080/15481603.2020.1760434>

Li, D., Yu, Z., Wu, F., Luo, W., Hu, Y. and Yuan, L., 2020. The tensor-based feature analysis of spatiotemporal field data with heterogeneity. *Earth and Space Science*, 7(2), p.e2019EA001037.

<https://doi.org/10.1029/2019EA001037>

Asare, Y.M., Forkuo, E.K., Forkuor, G. and Thiel, M., 2020. Evaluation of gap-filling methods for Landsat 7 ETM+ SLC-off image for LULC classification in a heterogeneous landscape of West Africa. *International Journal of Remote Sensing*, 41(7), pp.2544-2564.

<https://doi.org/10.1080/01431161.2019.1693076>

Kiely, T.J. and Bastian, N.D., 2020. The spatially conscious machine learning model. *Statistical Analysis and Data Mining: The ASA Data Science Journal*, 13(1), pp.31-49.

<https://doi.org/10.1002/sam.11440>

Govorov, M., Becony t , G., Gienko, G. and Putrenko, V., 2019. Spatially constrained regionalization with multilayer perceptron. *Transactions in GIS*, 23(5), pp.1048-1077.

<https://doi.org/10.1111/tgis.12557>

Kim, M. and Wang, L., 2020. Generalized Spatially Varying Coefficient Models. *Journal of Computational and Graphical Statistics*, pp.1-10.

<https://doi.org/10.1080/10618600.2020.1754225>

Feng, Y. and Tong, X., 2020. A new cellular automata framework of urban growth modeling by incorporating statistical and heuristic methods. *International Journal of Geographical Information Science*, 34(1), pp.74-97.

<https://doi.org/10.1080/13658816.2019.1648813>

Oxoli, D., Sabri, S., Rajabifard, A. and Brovelli, M.A., 2020. A classification technique for local multivariate clusters and outliers of spatial association. *Transactions in GIS*.

<https://doi.org/10.1111/tgis.12639>

- Zhou, Y., Leung, Y. and Zhang, W.B., 2020. A Location-and-Form-Based Distance for Geographical Analysis. *Annals of the American Association of Geographers*, pp.1-18.
<https://doi.org/10.1080/24694452.2020.1785269>
- Roberts, S.A., 2019. A Shape-Based Local Spatial Association Measure (LISShA): A Case Study in Maritime Anomaly Detection. *Geographical Analysis*, 51(4), pp.403-425.
<https://doi.org/10.1111/gean.12178>
- Wang, D., Yang, Y., Qiu, A., Kang, X., Han, J. and Chai, Z., 2020. A CUDA-Based Parallel Geographically Weighted Regression for Large-Scale Geographic Data. *ISPRS International Journal of Geo-Information*, 9(11), p.653.
<https://doi.org/10.3390/ijgi9110653>
- Shabrina, Z., Buyuklieva, B. and Ng, M.K.M., 2020. Short-Term Rental Platform in the Urban Tourism Context: A Geographically Weighted Regression (GWR) and a Multiscale GWR (MGWR) Approaches. *Geographical Analysis*.
<https://doi.org/10.1111/gean.12259>
- Jia, H., Yang, D., Deng, W., Wei, Q. and Jiang, W., 2021. Predicting land surface temperature with geographically weighed regression and deep learning. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, 11(1), p.e1396.
<https://doi.org/10.1002/widm.1396>
- Chen, F. and Mei, C.L., 2021. Scale-adaptive estimation of mixed geographically weighted regression models. *Economic Modelling*, 94, pp.737-747.
<https://doi.org/10.1016/j.econmod.2020.02.015>
- Mei, C.L., Chen, F., Wang, W.T., Yang, P.C. and Shen, S.L., 2020. Efficient estimation of heteroscedastic mixed geographically weighted regression models. *The Annals of Regional Science*, pp.1-22.
<https://link.springer.com/article/10.1007/s00168-020-01016-z>
- Lee, J., Kamenetsky, M.E., Gangnon, R.E. and Zhu, J., 2021. Clustered spatio-temporal varying coefficient regression model. *Statistics in medicine*, 40(2), pp.465-480.
<https://doi.org/10.1002/sim.8785>
- Kedron, P., Frazier, A.E., Trgovac, A.B., Nelson, T. and Fotheringham, A.S., 2019. Reproducibility and replicability in geographical analysis. *Geographical Analysis*.
<https://doi.org/10.1111/gean.12221>
- Murakami, D., Tsutsumida, N., Yoshida, T., Nakaya, T. and Lu, B., 2020. Scalable GWR: A linear-time algorithm for large-scale geographically weighted regression with polynomial kernels. *Annals of the American Association of Geographers*, pp.1-22.
<https://doi.org/10.1080/24694452.2020.1774350>

- Dambon, J.A., Sigrist, F. and Furrer, R., 2021. Maximum likelihood estimation of spatially varying coefficient models for large data with an application to real estate price prediction. *Spatial Statistics*, 41, p.100470.
<https://doi.org/10.1016/j.spasta.2020.100470>
- Hu, B., Ning, P., Li, Y., Xu, C., Christakos, G. and Wang, J., 2021. Space-time disease mapping by combining Bayesian maximum entropy and Kalman filter: the BME-Kalman approach. *International Journal of Geographical Information Science*, 35(3), pp.466-489.
<https://doi.org/10.1080/13658816.2020.1795177>
- Zhang, Z., Li, J., Fung, T., Yu, H., Mei, C., Leung, Y. and Zhou, Y., 2021. Multiscale geographically and temporally weighted regression with a unilateral temporal weighting scheme and its application in the analysis of spatiotemporal characteristics of house prices in Beijing. *International Journal of Geographical Information Science*, pp.1-25.
<https://doi.org/10.1080/13658816.2021.1912348>
- Shen, S.L., Cui, J.L. and Wu, X.Q., 2021. A simple test for spatial heteroscedasticity in spatially varying coefficient models. *Journal of Statistical Computation and Simulation*, 91(8), pp.1580-1592.
<https://doi.org/10.1080/00949655.2020.1862112>
- Chen, F., Leung, Y., Mei, C.L. and Fung, T., 2021. Backfitting Estimation for Geographically Weighted Regression Models with Spatial Autocorrelation in the Response. *Geographical Analysis*.
<https://doi.org/10.1111/gean.12289>
- Song, Y. and Wu, P., 2021. An interactive detector for spatial associations. *International Journal of Geographical Information Science*, pp.1-26.
<https://doi.org/10.1080/13658816.2021.1882680>
- Chen, F. and Mei, C.L., 2021. Scale-adaptive estimation of mixed geographically weighted regression models. *Economic Modelling*, 94, pp.737-747.
<https://doi.org/10.1016/j.econmod.2020.02.015>
- Comber, A.J., Harris, P., Lü, Y., Wu, L. and Atkinson, P.M., 2021. The Forgotten Semantics of Regression Modeling in Geography. *Geographical Analysis*, 53(1), pp.113-134.
<https://doi.org/10.1111/gean.12199>
- Que, X., Ma, C., Ma, X. and Chen, Q., 2021. Parallel computing for Fast Spatiotemporal Weighted Regression. *Computers & Geosciences*, 150, p.104723.
<https://doi.org/10.1016/j.cageo.2021.104723>
- Saifudin, T., Fatmawati and Chamidah, N., 2021, February. The performance of goodness of fit test procedure on geographically weighted polynomial regression model. In *AIP Conference Proceedings* (Vol. 2329, No. 1, p. 060015). AIP Publishing LLC.
<https://doi.org/10.1063/5.0042125>

Tang, Y., Shao, Z., Huang, X. and Cai, B., 2021. Mapping Impervious Surface Areas Using Time-Series Nighttime Light and MODIS Imagery. *Remote Sensing*, 13(10), p.1900.
<https://doi.org/10.3390/rs13101900>

Xuan, W., Zhang, F., Zhou, H., Du, Z. and Liu, R., 2021. Improving Geographically Weighted Regression Considering Directional Nonstationary for Ground-Level PM_{2.5} Estimation. *ISPRS International Journal of Geo-Information*, 10(6), p.413.

<https://doi.org/10.3390/ijgi10060413>

Zhao, N., Fan, Z. and Zhao, M., 2021. A New Approach for Estimating Dissolved Oxygen Based on a High-Accuracy Surface Modeling Method. *Sensors*, 21(12), p.3954.
<https://doi.org/10.3390/s21123954>

Zhu, Z., Cui, X., Zhang, K., Ai, B., Shi, B. and Yang, F., 2021. DNN-based seabed classification using differently weighted MBES multifeatures. *Marine Geology*, 438, p.106519.
<https://doi.org/10.1016/j.margeo.2021.106519>

Politics:

Mansley, E. and Demšar, U., 2015. Space matters: Geographic variability of electoral turnout determinants in the 2012 London mayoral election. *Electoral Studies*, 40, pp.322-334.
<https://www.sciencedirect.com/science/article/pii/S0261379415001778>

Darmofal, D., 2008. The political geography of the new deal realignment. *American Politics Research*, 36(6), pp.934-961.
<https://journals.sagepub.com/doi/abs/10.1177/1532673X08316591>

Lewis, W.S., 2016. Ballot-Box Environmentalism across the Golden State: How Geography Influences California Voters' Demand for Environmental Public Goods.
https://scholarship.claremont.edu/pomona_theses/149/

Lepič, M., 2017. Limits to territorial nationalization in election support for an independence-aimed regional nationalism in Catalonia. *Political Geography*, 60, pp.190-202.
<https://www.sciencedirect.com/science/article/pii/S0962629817302779>

Taiwo, O.J. and Ahmed, F., 2015. Geographical analysis of voter apathy in presidential elections between 1999 and 2011 in Nigeria. *African Geographical Review*, 34(3), pp.250-268.
<https://www.tandfonline.com/doi/abs/10.1080/19376812.2015.1009381>

Forsberg, O.J., 2014. *Electoral Forensics: Testing the "free and Fair" Claim* (Doctoral dissertation, Oklahoma State University).
<https://shareok.org/handle/11244/14831>

Xuan, H., Li, S. and Amin, M., 2015. STATISTICAL INFERENCE OF GEOGRAPHICALLY AND TEMPORALLY WEIGHTED REGRESSION MODEL. *Pakistan Journal of Statistics*, 31(3).

https://s3.amazonaws.com/academia.edu.documents/37676142/Statistical_Inference_of_geographically_and_temporally_weighted_regression_model.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1544729993&Signature=Sfqr8rO4UJnUcSjZbcpxEEZ25CM%3D&response-content-disposition=inline%3B%20filename%3DStatistical_Inference_of_Geographically.pdf

Clemens, A.C., Crespin, M.H. and Finocchiaro, C.J., 2015. The political geography of distributive politics. *Legislative Studies Quarterly*, 40(1), pp.111-136.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/lsq.12067>

Kavanagh, A., Sinnott, R., Fotheringham, S. and Charlton, M., 2006. A geographically weighted regression analysis of General Election turnout in the Republic of Ireland.

<http://eprints.maynoothuniversity.ie/5875/>

Mucciardi, M., 2011. Use of a flexible weight matrix in a local spatial statistic. In *Classification and Multivariate Analysis for Complex Data Structures* (pp. 427-434). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007%2F978-3-642-13312-1_45

Clemens, A.C., Crespin, M.H. and Finocchiaro, C.J., 2013. Research Note Pork-Barrelling in Australian Politics: A Reconsideration of Leigh. *Australian Journal of Political Science*, 48(2), pp.221-232.

https://www.tandfonline.com/doi/abs/10.1080/10361146.2013.786674?casa_token=NGP7FUFGeLAAAAAA:XJXFDamt8XjoxXSmrUbs-A82xHrrli-5BAnyW0XQlc08ZgPodZ37GYlwCVasxGLEjrP1Mkbvzk8d

Wing, I.S. and Walker, J.L., 2010. The geographic dimensions of electoral polarization in the 2004 US Presidential vote. In *Progress in spatial analysis* (pp. 253-285). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007/978-3-642-03326-1_13

Chi, S.H. and Flint, C., 2013. Standing different ground: the spatial heterogeneity of territorial disputes. *GeoJournal*, 78(3), pp.553-573.

<https://link.springer.com/article/10.1007%2Fs10708-012-9451-0>

Teney, C., 2012. Space matters. the group threat hypothesis revisited with geographically weighted regression. The case of the NPD 2009 electoral success. *Zeitschrift für Soziologie*, 41(3), pp.207-226.

<https://www.degruyter.com/view/j/zfsoz.2012.41.issue-3/zfsoz-2012-0304/zfsoz-2012-0304.xml>

Ogorzalek, T.K., 2009. Where Race Matters: A Geographic Approach to the Racial Threat Hypothesis.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=1460957

Vezzoni, C. and Mancosu, M., The Geography of Electoral Cycle in Northern Italy. <https://ecpr.eu/filestore/paperproposal/33a0982a-3784-4b4a-a262-e92df51313db.pdf>

Sohn, J. and Oh, S.K., 2019. Explaining Spatial Distribution of the Middle Class: A Multiple Indicator Approach with Multiple Explanatory Dimensions. *Applied Spatial Analysis and Policy*, 12(4), pp.871-905.
<https://link.springer.com/article/10.1007/s12061-018-9275-5>

Brass, J.N., Schon, J., Baldwin, E. and MacLean, L.M., 2020. Spatial analysis of bureaucrats' attempts to resist political capture in a developing democracy: The distribution of solar panels in Ghana. *Political Geography*, 76, p.102087.
<https://doi.org/10.1016/j.polgeo.2019.102087>

Wilson, T., Shalley, F. and Perales, F., 2020. The geography of Australia's Marriage Law Postal Survey outcome. *Area*, 52(1), pp.164-175.
<https://doi.org/10.1111/area.12558>

Miller, J.A. and Grubestic, T.H., 2020. A Spatial Exploration of the Halo Effect in the 2016 US Presidential Election. *Annals of the American Association of Geographers*, pp.1-16.
<https://doi.org/10.1080/24694452.2020.1785271>

Lysek, J., Pánek, J. and Lebeda, T., 2020. Who are the voters and where are they? Using spatial statistics to analyse voting patterns in the parliamentary elections of the Czech Republic. *Journal of Maps*, pp.1-6.
<https://doi.org/10.1080/17445647.2020.1819901>

Natalia, V.V. and Heinrichs, D., 2020. Identifying polycentricism: a review of concepts and research challenges. *European Planning Studies*, 28(4), pp.713-731.
<https://doi.org/10.1080/09654313.2019.1662773>

Rios, V., Hortas-Rico, M. and Pascual, P., 2021. What shapes the flypaper effect? The role of the political environment in the budget process. *Local Government Studies*, pp.1-28.
<https://doi.org/10.1080/03003930.2020.1866555>

Real Estate:

Cellmer, R., 2012. The Use of the Geographically Weighted Regression for the Real Estate Market Analysis. *Folia Oeconomica Stetinensia*, 11(1), pp.19-32.
<https://content.sciendo.com/view/journals/fofi/11/1/article-p19.xml>

Eboy, O.V. and Samat, N., 2017. Modeling property rating valuation using Geographical Weighted Regression (GWR) and Spatial Regression Model (SRM): The case of Kota Kinabalu, Sabah. *Geografia-Malaysian Journal of Society and Space*, 11(11).

<http://ejournal.ukm.my/gmjss/article/view/18905>

Massimo, D.E., Del Giudice, V., De Paola, P., Forte, F., Musolino, M. and Malerba, A., 2018, May. Geographically weighted regression for the post carbon city and real estate market analysis: a case study. In *International Symposium on New Metropolitan Perspectives* (pp. 142-149). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-92099-3_17

Park, M., 2013. Housing vouchers as a means of poverty deconcentration and race desegregation: Patterns and factors of voucher recipients' spatial concentration in Cleveland. *Journal of housing and the built environment*, 28(3), pp.451-468.

<https://link.springer.com/article/10.1007/s10901-012-9319-0>

Cellmer, R., 2011. Spatial analysis of the effect of noise on the prices and value of residential real estates. *Geomatics and Environmental Engineering*, 5(4), pp.13-28.

<https://www.infona.pl/resource/bwmeta1.element.baztech-article-AGH8-0010-0082>

Geng, J., Cao, K., Yu, L. and Tang, Y., 2011, June. Geographically weighted regression model (GWR) based spatial analysis of house price in Shenzhen. In *Geoinformatics, 2011 19th International Conference on* (pp. 1-5). IEEE.

<https://ieeexplore.ieee.org/abstract/document/5981032>

Li, Z., Zhou, S., Zhang, H., Yao, X. and Wu, W., 2009, September. Research on Influential Factors and Marginal Price Role of Geographically Weighted Regression Model-Based Urban Residential Land Price. In *Management and Service Science, 2009. MASS'09. International Conference on* (pp. 1-4). IEEE.

<https://ieeexplore.ieee.org/abstract/document/5301077>

Sipan, I., Ali, H., Ismail, S., Abdullah, S. and Abd Aziz, S.S., 2012. GIS-based mass appraisal model for equity and uniformity of rating assessment. In *UTM-IBIMA International Real Estate Conference* (pp. 1-16).

https://s3.amazonaws.com/academia.edu.documents/33133803/2012_Ibrahim_GIS_Based_Mass_Appraisal_Model_for_Equity_and_Uniformity_of_Rating_Assessment.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1549145505&Signature=sf0MgBLAYp83ip4pO1azs007zzY%3D&response-content-disposition=inline%3B%20filename%3DGIS-Based_Mass_Appraisal_Model_for_Equit.pdf

Zou, Y., 2015. Subprime mortgages and housing price variations in the Philadelphia metropolitan area. *The Professional Geographer*, 67(3), pp.412-426.

<https://www.tandfonline.com/doi/abs/10.1080/00330124.2014.987198>

McCluskey, W.J. and Borst, R.A., 2011. Detecting and validating residential housing submarkets: A geostatistical approach for use in mass appraisal. *International Journal of Housing Markets and Analysis*, 4(3), pp.290-318.

<https://www.emeraldinsight.com/doi/abs/10.1108/17538271111153040>

- Li, H., Wei, Y.D., Yu, Z. and Tian, G., 2016. Amenity, accessibility and housing values in metropolitan USA: A study of Salt Lake County, Utah. *Cities*, 59, pp.113-125.
<https://www.sciencedirect.com/science/article/pii/S0264275116302888>
- Lan, F., Wu, Q., Zhou, T. and Da, H., 2018. Spatial Effects of Public Service Facilities Accessibility on Housing Prices: A Case Study of Xi'an, China. *Sustainability*, 10(12), p.4503.
<https://www.mdpi.com/2071-1050/10/12/4503>
- Borst, R.A. and McCluskey, W.J., 2008. Using geographically weighted regression to detect housing submarkets: Modeling large-scale spatial variations in value. *Journal of Property Tax Assessment & Administration*, 5(1), pp.21-21.
<http://go.galegroup.com/ps/anonymou?id=GALE%7CA268405496&sid=googleScholar&v=2.1&it=r&linkaccess=abs&issn=13571419&p=AONE&sw=w>
- Chan, W.M., 2014. COMPARISON OF SPATIAL HEDONIC HOUSE PRICE MODELS: APPLICATION TO REAL ESTATE TRANSACTIONS IN VANCOUVER WEST.
<http://summit.sfu.ca/item/14416>
- Bhattacharjee, A., Castro, E., Maiti, T. and Marques, J., Online supplementary material for “Endogenous spatial regression and delineation of submarkets: A new framework with application to housing markets”.
https://www.researchgate.net/profile/Arnab_Bhattacharjee3/publication/280912929_Endogenous_Spatial_Regression_and_Delineation_of_Submarkets_A_New_Framework_with_Application_to_Housing_Markets/links/59fdc111aca272347a26a835/Endogenous-Spatial-Regression-and-Delineation-of-Submarkets-A-New-Framework-with-Application-to-Housing-Markets.pdf
- Georgiadis, A., 2018. Real estate valuation using regression models and artificial neural networks: An applied study in Thessaloniki. *RELAND: International Journal of Real Estate & Land Planning*, 1, pp.292-303.
<http://ejournals.lib.auth.gr/reland/article/view/6485>
- Liu, J., Khattak, A.J., Chen, C., Wan, D., Ma, J. and Hu, J., 2018. Revisiting hit-and-run crashes: a geo-spatial modeling method. *Transportation research record*, p.0361198118773889.
<https://journals.sagepub.com/doi/abs/10.1177/0361198118773889>
- Du, Q., Wu, C., Ye, X., Ren, F. and Lin, Y., 2018. Evaluating the effects of landscape on housing prices in urban China. *Tijdschrift voor economische en sociale geografie*.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/tesg.12308>
- Dubé, J. and Legros, D., 2014. Spatial econometrics and the hedonic pricing model: what about the temporal dimension?. *Journal of Property Research*, 31(4), pp.333-359.
<https://www.tandfonline.com/doi/abs/10.1080/09599916.2014.913655>
- Wang, M.W., Liu, Y. and Liu, X.H., 2015. Distribution and Determinants of Housing Prices in Polycentric Mountainous Cities: The Case of Chongqing. In *Proceedings of the 19th*

International Symposium on Advancement of Construction Management and Real Estate (pp. 879-889). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007/978-3-662-46994-1_72

Olszewski, K., Waszczuk, J. and Widłak, M., 2017. Spatial and Hedonic Analysis of House Price Dynamics in Warsaw, Poland. *Journal of Urban Planning and Development*, 143(3), p.04017009.

[https://ascelibrary.org/doi/full/10.1061/\(ASCE\)UP.1943-5444.0000394](https://ascelibrary.org/doi/full/10.1061/(ASCE)UP.1943-5444.0000394)

Gao, X. and Asami, Y., 2005. Influence of spatial features on land and housing prices. *Tsinghua Science and technology*, 10(3), pp.344-353.

<https://ieeexplore.ieee.org/abstract/document/6076044>

Comber, A., Harris, P., Nguyen, Q., Chi, K., Tran, H. and Phe, H.H., 2016, January. Local variation in hedonic house pricing in Hanoi, Vietnam: a spatial analysis of status quality trade-off (SQTO) theory. In *International Conference on GIScience Short Paper Proceedings* (Vol. 1, No. 1).

<https://cloudfront.escholarship.org/dist/prd/content/qt0qh4t98s/qt0qh4t98s.pdf>

Yang, S., Hu, S., Li, W., Zhang, C. and Torres, J.A., 2017. Spatiotemporal Effects of Main Impact Factors on Residential Land Price in Major Cities of China. *Sustainability*, 9(11), p.2050.

<https://www.mdpi.com/2071-1050/9/11/2050>

Cajias, M. and Ertl, S., 2018. Spatial effects and non-linearity in hedonic modeling: Will large data sets change our assumptions?. *Journal of Property Investment & Finance*, 36(1), pp.32-49.

<https://www.emeraldinsight.com/doi/abs/10.1108/JPIF-10-2016-0080>

Comber, A., Harris, P., Nguyen, Q., Chi, K., Tran, H. and Phe, H.H., 2016. Local variation in hedonic house pricing in Hanoi, Vietnam: a spatial analysis of status quality. In *Issue: International Conference on GIScience Short Paper Proceedings, 1 (1)*.

https://www.researchgate.net/profile/Hoang_Phe/publication/317328941_Local_variation_in_hedonic_house_price_Hanoi_a_spatial_analysis_of_SQTO_theory/links/5932678aaca272fc550c5010/Local-variation-in-hedonic-house-price-Hanoi-a-spatial-analysis-of-SQTO-theory.pdf

Wu, H., Jiao, H., Yu, Y., Li, Z., Peng, Z., Liu, L. and Zeng, Z., 2018. Influence Factors and Regression Model of Urban Housing Prices Based on Internet Open Access Data. *Sustainability*, 10(5), p.1676.

<https://www.mdpi.com/2071-1050/10/5/1676>

Shim, J. and Hwang, C., 2018. Kernel-based geographically and temporally weighted autoregressive model for house price estimation. *PloS one*, 13(10), p.e0205063.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0205063>

Mittal, J. and Byahut, S., 2017. Scenic landscapes, visual accessibility and premium values in a single family housing market: A spatial hedonic approach. *Environment and Planning B: Urban Analytics and City Science*, p.2399808317702147.

<https://journals.sagepub.com/doi/abs/10.1177/2399808317702147>

Mou, Y., He, Q. and Zhou, B., 2017. Detecting the Spatially Non-Stationary Relationships between Housing Price and Its Determinants in China: Guide for Housing Market Sustainability. *Sustainability*, 9(10), p.1826.
<https://www.mdpi.com/2071-1050/9/10/1826>

Liang, X., Liu, Y., Qiu, T., Jing, Y. and Fang, F., 2018. The effects of locational factors on the housing prices of residential communities: The case of Ningbo, China. *Habitat International*, 81, pp.1-11.
<https://www.sciencedirect.com/science/article/pii/S0197397517311797>

Franco, S.F. and Macdonald, J.L., 2018. The effects of cultural heritage on residential property values: Evidence from Lisbon, Portugal. *Regional Science and Urban Economics*.
<https://www.sciencedirect.com/science/article/pii/S0166046218300358>

Chen, W., Shen, Y. and Wang, Y., 2018. Does industrial land price lead to industrial diffusion in China? An empirical study from a spatial perspective. *Sustainable cities and society*, 40, pp.307-316.
<https://www.sciencedirect.com/science/article/pii/S2210670717315809>

Wu, C., Ren, F., Hu, W. and Du, Q., 2018. Multiscale geographically and temporally weighted regression: exploring the spatiotemporal determinants of housing prices. *International Journal of Geographical Information Science*, pp.1-23.
<https://www.tandfonline.com/doi/abs/10.1080/13658816.2018.1545158>

Demetriou, D., 2016. The assessment of land valuation in land consolidation schemes: The need for a new land valuation framework. *Land Use Policy*, 54, pp.487-498.
<https://www.sciencedirect.com/science/article/abs/pii/S0264837716301934>

Chen, W., Shen, Y., Wang, Y. and Wu, Q., 2018. How do industrial land price variations affect industrial diffusion? Evidence from a spatial analysis of China. *Land Use Policy*, 71, pp.384-394.
<https://www.sciencedirect.com/science/article/abs/pii/S0264837717312644>

McCord, M., Davis, P.T., Haran, M., McIlhatton, D. and McCord, J., 2014. Understanding rental prices in the UK: a comparative application of spatial modelling approaches. *International Journal of Housing Markets and Analysis*, 7(1), pp.98-128.
<https://www.emeraldinsight.com/doi/abs/10.1108/IJHMA-09-2012-0043>

Hu, S., Yang, S., Li, W., Zhang, C. and Xu, F., 2016. Spatially non-stationary relationships between urban residential land price and impact factors in Wuhan city, China. *Applied Geography*, 68, pp.48-56.
<https://www.sciencedirect.com/science/article/abs/pii/S0143622816300066>

Lai, P.P.Y. and Fischer, D.A., 2017. The Price Impact of House Refurbishment Estimated by Geographically Weighted Regression and Hedonic Pricing Model. *International Journal of Property Sciences (E-ISSN: 2229-8568)*, 6(1).

<http://jice.um.edu.my/index.php/IJPS/article/view/4123>

Li, W. and Saphores, J.D., 2012. A spatial hedonic analysis of the value of urban land cover in the multifamily housing market in Los Angeles, CA. *Urban Studies*, 49(12), pp.2597-2615.

<https://journals.sagepub.com/doi/abs/10.1177/0042098011429486>

Kryvobokov, M., Mercier, A., Bonnafous, A. and Bouf, D., 2013. Simulating housing prices with UrbanSim: predictive capacity and sensitivity analysis. *Letters in Spatial and Resource Sciences*, 6(1), pp.31-44.

<https://link.springer.com/article/10.1007/s12076-012-0084-1>

Harris, R., Dong, G. and Zhang, W., 2013. Using Contextualized Geographically Weighted Regression to Model the Spatial Heterogeneity of Land Prices in Beijing, China. *Transactions in GIS*, 17(6), pp.901-919.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/tgis.12020>

Bonnafous, A. and Kryvobokov, M., 2011. Insight into apartment attributes and location with factors and principal components. *International Journal of Housing Markets and Analysis*, 4(2), pp.155-171.

<https://www.emeraldinsight.com/doi/abs/10.1108/17538271111137930>

Cho, S.H., Bowker, J.M. and Park, W.M., 2006. Measuring the contribution of water and green space amenities to housing values: An application and comparison of spatially weighted hedonic models. *Journal of agricultural and resource economics*, pp.485-507.

https://www.jstor.org/stable/40987332?casa_token=kATqL7cIOW8AAAAA:3OoTYRw_grvcpGSNMfH_vHi6ZB1qbP4yrGhrSydXKRcfMrQ-1yHTmflc23l5S0KKEIC9VaF3c-HdwbJohw6-osFJnMV2OaimSrV8Sya6mhcb_3phs20&seq=1#metadata_info_tab_contents

McMillen, D.P., 2003. Neighborhood house price indexes in Chicago: a Fourier repeat sales approach. *Journal of Economic Geography*, 3(1), pp.57-73.

<https://academic.oup.com/joeg/article-abstract/3/1/57/904619>

Farber, S. and Yeates, M., 2006. A comparison of localized regression models in a hedonic house price context. *Canadian Journal of Regional Science*, 29(3), pp.405-420.

<http://www.cjrs-rcsr.org/archives/29-3/6-Farber-Yeates.pdf>

Huang, B., Wu, B. and Barry, M., 2010. Geographically and temporally weighted regression for modeling spatio-temporal variation in house prices. *International Journal of Geographical Information Science*, 24(3), pp.383-401.

https://www.tandfonline.com/doi/abs/10.1080/13658810802672469?casa_token=aUmD0wqdxw_wAAAAA:UKWEbjbOWabkiRHqHWiSAHPiXLxWF_NzvgKdpncZvBdR5U4--FZB64iEaaE8zvq03RzldCD_cEjw

Wen, H., Xiao, Y., Hui, E.C. and Zhang, L., 2018. Education quality, accessibility, and housing price: Does spatial heterogeneity exist in education capitalization?. *Habitat International*.
<https://www.sciencedirect.com/science/article/pii/S0197397517311001>

Albuquerque, P.H.M., Nadalin, V.G., Neto, L., Correia, V. and Montenegro, M.R., 2018. House Price Index for Distrito Federal using Repeat Sales Model and GWR. *Nova Economia*, 28(1), pp.181-212.
http://www.scielo.br/scielo.php?pid=S0103-63512018000100181&script=sci_arttext

Bera, M.M., Mondal, B., Dolui, G. and Chakraborti, S., 2018. Estimation of Spatial Association Between Housing Price and Local Environmental Amenities in Kolkata, India Using Hedonic Local Regression. *Papers in Applied Geography*, pp.1-18.
<https://www.tandfonline.com/doi/abs/10.1080/23754931.2018.1446354>

Wu, C., Ye, X., Ren, F. and Du, Q., 2018. Modified Data-Driven Framework for Housing Market Segmentation. *Journal of Urban Planning and Development*, 144(4), p.04018036.
[https://ascelibrary.org/doi/abs/10.1061/\(ASCE\)UP.1943-5444.0000473?casa_token=XYJeLDvRd70AAAAA:OzV5tGNdcuZ8z1QygwO6hsiK4HhtvW7fwKRdO-1xKxXv1WkOG-5c5X9wMFDcCFCo9Mm1lFOCqA](https://ascelibrary.org/doi/abs/10.1061/(ASCE)UP.1943-5444.0000473?casa_token=XYJeLDvRd70AAAAA:OzV5tGNdcuZ8z1QygwO6hsiK4HhtvW7fwKRdO-1xKxXv1WkOG-5c5X9wMFDcCFCo9Mm1lFOCqA)

Fotheringham, A.S. and Park, B., 2018. Localized spatiotemporal effects in the determinants of property prices: A case study of Seoul. *Applied Spatial Analysis and Policy*, 11(3), pp.581-598.
<https://link.springer.com/article/10.1007/s12061-017-9232-8>

Malaitham, S., Fukuda, A., Vichiensan, V. and Wasuntarasook, V., 2018. Hedonic pricing model of assessed and market land values: A case study in Bangkok metropolitan area, Thailand. *Case Studies on Transport Policy*.
<https://www.sciencedirect.com/science/article/abs/pii/S2213624X1730055X>

Bajat, B., Kilibarda, M., Pejović, M. and Petrović, M.S., 2018. Spatial Hedonic Modeling of Housing Prices Using Auxiliary Maps. In *Spatial Analysis and Location Modeling in Urban and Regional Systems* (pp. 97-122). Springer, Berlin, Heidelberg.
https://link.springer.com/chapter/10.1007%2F978-3-642-37896-6_5

Gong, Y. and de Haan, J., 2018. Accounting for Spatial Variation of Land Prices in Hedonic Imputation House Price Indices: a Semi-Parametric Approach. *Journal of Official Statistics*, 34(3), pp.695-720.
<https://content.sciendo.com/view/journals/jos/34/3/article-p695.xml>

Yang, J., Bao, Y., Zhang, Y., Li, X. and Ge, Q., 2018. Impact of Accessibility on Housing Prices in Dalian City of China Based on a Geographically Weighted Regression Model. *Chinese Geographical Science*, 28(3), pp.505-515.
<https://link.springer.com/article/10.1007/s11769-018-0954-6>

Fang, L., Li, H. and Li, M., 2019. Does hotel location tell a true story? Evidence from geographically weighted regression analysis of hotels in Hong Kong. *Tourism Management*, 72, pp.78-91.

<https://www.sciencedirect.com/science/article/pii/S0261517718302796>

Kim, J., Jang, S., Kang, S. and Kim, S.J., 2018. Why are hotel room prices different? Exploring spatially varying relationships between room price and hotel attributes. *Journal of Business Research*.

<https://www.sciencedirect.com/science/article/abs/pii/S0148296318304466>

Cao, K., Diao, M. and Wu, B., 2018. A Big Data–Based Geographically Weighted Regression Model for Public Housing Prices: A Case Study in Singapore. *Annals of the American Association of Geographers*, pp.1-14.

https://www.tandfonline.com/doi/abs/10.1080/24694452.2018.1470925?casa_token=rr8yggB1ZhMAAAA:rglsPiIpLC7MLGE5j9ubEi_Nix7MsNDM2_tRQt1h2_48HF6sXYcMQccneUixqN4OegjusVD641s

Latinopoulos, D., 2018. Using a spatial hedonic analysis to evaluate the effect of sea view on hotel prices. *Tourism Management*, 65, pp.87-99.

<https://www.sciencedirect.com/science/article/pii/S0261517717302091>

Cordera, R., Chiarazzo, V., Ottomanelli, M., dell’Olio, L. and Ibeas, A., 2018. The impact of undesirable externalities on residential property values: spatial regressive models and an empirical study. *Transport Policy*.

<https://www.sciencedirect.com/science/article/abs/pii/S0967070X17304808>

Grant, C.P., 2017. *An Analysis of San Diego's Housing Market Using a Geographically Weighted Regression Approach* (Doctoral dissertation, San Diego State University).

<https://search.proquest.com/openview/e435e22644390926c1180bbc3c18efb7/1?pq-origsite=gscholar&cbl=18750&diss=y>

Mittal, J., 2017. *Valuing Visual Accessibility of Scenic Landscapes in a Single Family Housing Market: A Spatial Hedonic Approach* (No. eres2017_1). European Real Estate Society (ERES).

https://eres.architexturez.net/system/files/P_20161013041656_675.pdf

Bidanset, P.E., Mccord, M., Lombard, J.R., Peadar Davis PHD, M.R.I.C.S. and McCluskey, W.J., 2017. Accounting for Locational, Temporal, and Physical Similarity of Residential Sales in Mass Appraisal Modeling: The Development and Application of Geographically, Temporally, and Characteristically Weighted Regression. *Journal of Property Tax Assessment & Administration*, 14(2), pp.4-12.

<https://search.proquest.com/docview/2036981540?pq-origsite=gscholar>

Dziauddin, M.F. and Idris, Z., 2017. Use of Geographically Weighted Regression (GWR) Method to Estimate the Effects of Location Attributes on the Residential Property Values. *The Indonesian Journal of Geography*, 49(1), p.97.

<https://search.proquest.com/openview/688d25fa665556108487d3bdebad3df8/1?pq-origsite=gscholar&cbl=2032646>

Zhang, Z., Chen, R.J., Han, L.D. and Yang, L., 2017. Key Factors Affecting the Price of Airbnb Listings: A Geographically Weighted Approach. *Sustainability*, 9(9), p.1635.
<https://www.mdpi.com/2071-1050/9/9/1635>

Chen, D., Carr, M.H., Zwick, P.D. and Buch, R., 2017. Influence of Public Conservation Acquisition on Surrounding Residential Property Values in Gainesville, Florida. *Journal of Urban Planning and Development*, 143(3), p.04017003.
[https://ascelibrary.org/doi/abs/10.1061/\(ASCE\)UP.1943-5444.0000386?casa_token=mda3Fadrg7cAAAAA:yK1AyYcTcPTNY2KQkQLU0sXHVe3BAmZVtqFIs3pdgwRCMIOHXd4n_pulkycnOg-TzhT-2MBbHA](https://ascelibrary.org/doi/abs/10.1061/(ASCE)UP.1943-5444.0000386?casa_token=mda3Fadrg7cAAAAA:yK1AyYcTcPTNY2KQkQLU0sXHVe3BAmZVtqFIs3pdgwRCMIOHXd4n_pulkycnOg-TzhT-2MBbHA)

Yiorkas, C. and Dimopoulos, T., 2017, September. Implementing GIS in real estate price prediction and mass valuation: the case study of Nicosia District. In *Fifth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2017)* (Vol. 10444, p. 104440F). International Society for Optics and Photonics.
https://www.spiedigitallibrary.org/conference-proceedings-of-spie/10444/104440F/Implementing-GIS-in-real-estate-price-prediction-and-mass-valuation/10.1117/12.2280255.full?casa_token=QY13DP7WOjsAAAAA%3atoHQetM3_loLtg7wAU_g_GZOBwbuh2kA0nwjF5dz_J_OUchXpRSzQbshPDrK5G8xmP6iivjEWw

Wen, H., Jin, Y. and Zhang, L., 2017. Spatial heterogeneity in implicit housing prices: evidence from Hangzhou, China. *International Journal of Strategic Property Management*, 21(1), pp.15-28.
<https://www.tandfonline.com/doi/abs/10.3846/1648715X.2016.1247021>

Yang, Y., Liu, J., Xu, S. and Zhao, Y., 2016. An extended semi-supervised regression approach with co-training and geographical weighted regression: A case study of housing prices in beijing. *ISPRS International Journal of Geo-Information*, 5(1), p.4.
<https://www.mdpi.com/2220-9964/5/1/4/htm>

Hui, E.C.M., Liang, C., Wang, Z. and Wang, Y., 2016. The roles of developer's status and competitive intensity in presale pricing in a residential market: a study of the spatio-temporal model in Hangzhou, China. *Urban studies*, 53(6), pp.1203-1224.
https://journals.sagepub.com/doi/abs/10.1177/0042098015572317?casa_token=SVNjDIkqhpcAAAA%3ASnfiDpT7HIT13aPdHcEP-fQH78J8YzyrnvBtVX6Xzq4r5srHQN6tDbnR7RXAWvDBCVJNuhkoHUO4

Liu, J., Yang, Y., Xu, S., Zhao, Y., Wang, Y. and Zhang, F., 2016. A geographically temporal weighted regression approach with travel distance for house price estimation. *Entropy*, 18(8), p.303.
<https://www.mdpi.com/1099-4300/18/8/303/htm>

Yoo, J. and Ready, R., 2016. The impact of agricultural conservation easement on nearby house prices: Incorporating spatial autocorrelation and spatial heterogeneity. *Journal of Forest Economics*, 25, pp.78-93.

<https://www.sciencedirect.com/science/article/pii/S1104689916300459>

Dziauddin, M.F., Ismail, K. and Othman, Z., 2015. Analysing the local geography of the relationship between residential property prices and its determinants. *Bulletin of Geography. Socio-economic Series*, 28(28), pp.21-35.

<https://content.sciendo.com/view/journals/bog/28/28/article-p21.xml>

Yao, J. and Stewart Fotheringham, A., 2016. Local spatiotemporal modeling of house prices: A mixed model approach. *The Professional Geographer*, 68(2), pp.189-201.

<https://www.tandfonline.com/doi/abs/10.1080/00330124.2015.1033671>

Isoda, Y., 2015. Examining the effects of land use zoning on land price with geographically weighted regression. *Geographical Reports of Tokyo Metropolitan University*, 50, pp.81-88.

<https://ci.nii.ac.jp/naid/120005666679/>

KC, K., Chhetri, P., Arrowsmith, C. and Corcoran, J., 2014. Modelling the spatial pattern of housing-renovation employment in Melbourne, Australia: an application of geographically weighted regression. *Applied GIS*, 10(4).

<https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18325505&AN=100053305&h=A1xVtQYQyuB9N7cfdz4Tc8Hz9BSVBu5TrDVqCQj6RbUB5SRdyu3wDP83rBmuQ%2bUDXVVkD%2bMhzTcKJyL1hm7edA%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18325505%26AN%3d100053305>

Widlak, M., Waszczuk, J. and Olszewski, K., 2015. Spatial and hedonic analysis of house price dynamics in Warsaw.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2648840

Jung, H.J. and Lee, J., 2015. Analysis of eunpyeong new town land price using geographically weighted regression. *Journal of Korea Spatial Information Society*, 23(5), pp.65-73.

http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=JOSHBW_2015_v23n5_65

Shen, Y. and Karimi, K., 2015, July. Understanding the roles of urban configuration on spatial heterogeneity and submarket regionalisation of house price pattern in a mix-scale hedonic model: The case of Shanghai, China. In *SSS 2015-10th International Space Syntax Symposium* (Vol. 10). Space Syntax Laboratory, The Bartlett School of Architecture, UCL (University College London).

<http://discovery.ucl.ac.uk/1498769/>

Fotheringham, A.S., Crespo, R. and Yao, J., 2015. Exploring, modelling and predicting spatiotemporal variations in house prices. *The Annals of Regional Science*, 54(2), pp.417-436.

<https://link.springer.com/article/10.1007/s00168-015-0660-6>

Bidanset, P.E. and Lombard, J.R., 2014. The effect of kernel and bandwidth specification in geographically weighted regression models on the accuracy and uniformity of mass real estate appraisal. *Journal of Property Tax Assessment & Administration*, 10(3).
https://digitalcommons.odu.edu/publicservice_pubs/27/

Bidanset, P.E. and Lombard, J.R., 2014. Evaluating spatial model accuracy in mass real estate appraisal: A comparison of geographically weighted regression and the spatial lag model. *Cityscape*, 16(3), pp.169-182.
https://www.jstor.org/stable/26326913?casa_token=OAHaFCM48DUAAAAA:-ljue4xp3ZnC9aZA3AfTPUdwa8Pmll6yVWYj1-DzDdXPCZuTm1MySwRa4j8c8z8L3_0tKVhuni-BMbxswtmKN_7cRCOfHzlXZO4Ag8TcY92X5xxGml4&seq=1#metadata_info_tab_contents

Borst, R.A., 2012. A Space-Time Model for Computer Assisted Mass Appraisal. *Aestimum*, pp.535-545.
<http://fupress.net/index.php/ceset/article/view/13160>

Krause, A., 2012. Expanding GWR: Exploring an N-dimensional locally weighted regression technique for home price estimation.
https://s3.amazonaws.com/academia.edu.documents/8783164/Krause%20NLWR%202012.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1544570082&Signature=y%2FgmOUDGj1ag47D5tkl9%2FC7YWJE%3D&response-content-disposition=inline%3B%20filename%3DExpanding_GWR_Exploring_an_N-dimensional.pdf

Eshliki, S.A. and Angherabi, B.A., 2011, June. The effects of land's proximity to river on spatial pattern of land prices in Tokyo metropolitan area using GIS: An analytical assessment. In *Geoinformatics, 2011 19th International Conference on* (pp. 1-6). IEEE.
<https://ieeexplore.ieee.org/abstract/document/5980846>

Kim, H.Y. and Jun, C.M., 2012. Land value analysis using space syntax and GWR. *Journal of the Korean Association of Geographic Information Studies*, 15(2), pp.35-45.
<http://www.koreascience.or.kr/article/JAKO201212656357889.page>

Duque, J.C., Velásquez, H. and Agudelo, J., 2011. Public infrastructure and housing prices: An application of geographically weighted regression within the context of hedonic prices. *Ecos de Economía*, 15(33), pp.95-122.
http://www.scielo.org.co/scielo.php?pid=S1657-42062011000200005&script=sci_arttext&tlng=en

Yu, D., Yin, J. and Ye, F., 2011. Novel methods to demarcate urban house submarket-Cluster analysis with spatially varying relationships between house value and attributes.
<https://digital-library.theiet.org/content/conferences/10.1049/cp.2011.0288>

Hwang, S. and Thill, J.C., 2010. Influence of Job Accessibility on Housing Market Processes: Study of Spatial Stationarity in the Buffalo and Seattle Metropolitan Areas. In *Geospatial Analysis and Modelling of Urban Structure and Dynamics* (pp. 373-391). Springer, Dordrecht. https://link.springer.com/chapter/10.1007/978-90-481-8572-6_19

Saefuddin, A., Widyaningsih, Y., Ginting, A. and Mamat, M., 2012. Land price model considering spatial factors. *Asian Journal of Mathematics and Statistics*, 5(4), pp.132-141. <https://scialert.net/fulltextmobile/?doi=ajms.2012.132.141>

Squires, G. and Kingston, R., 2007. Exploring housing patterns and dynamics in low demand neighbourhoods using Geographically Weighted Regression. http://www.geocomputation.org/2007/5C-Spatial_Statistics_2_GWR/5C1.pdf

Young, A.W., 2006. Measuring Effects of Housing Densities on Property Values Using Locally Weighted Regression. https://trace.tennessee.edu/utk_gradthes/3089/

Pavlyuk, D., 2009. Statistical analysis of the relationship between public transport accessibility and flat prices in Riga. <https://mpira.ub.uni-muenchen.de/20921/>

Park, M., 2010. *Housing Choice Voucher Program: Patterns and Factors of Spatial Concentration in Cleveland* (Doctoral dissertation, Cleveland State University). https://etd.ohiolink.edu/pg_10?0::NO:10:P10_ACCESSION_NUM:csu1291743552

Díaz-Garayúa, J.R., 2009. Neighborhood characteristics and housing values within the San Juan, MSA, Puerto Rico. *southeastern geographer*, 49(4), pp.376-393. https://www.jstor.org/stable/26225580?seq=1#page_scan_tab_contents

Helbich, M. and Brunauer, W., 2010. *Mixed geographically weighted regression for hedonic house price modelling in austria*. na. http://koenigstuhl.geog.uniheidelberg.de/publications/2010/Helbich/Helbich_Brunauer_GIForum_2010.pdf

YABE, N., 2008. Impacts of real estate securitization on land price changes in the inner city of Tokyo since 2001: A geographically weighted regression analysis. *Geographical Review of Japan*, 81(5), pp.384-403. https://www.jstage.jst.go.jp/article/grj2002/81/5/81_5_384/article/-char/ja/

Cho, S.H., Kim, S.G. and Lambert, D.M., 2009, March. SPATIALLY-VARYING EFFECTS OF REZONING ON HOUSING PRICE. In *Review of Urban & Regional Development Studies: Journal of the Applied Regional Science Conference* (Vol. 21, No. 1, pp. 72-91). Melbourne, Australia: Blackwell Publishing Asia. <https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1467-940X.2009.00160.x>

- Manganelli, B., Pontrandolfi, P., Azzato, A. and Murgante, B., 2014. Using geographically weighted regression for housing market segmentation. *International Journal of Business Intelligence and Data Mining* 13, 9(2), pp.161-177.
https://www.researchgate.net/publication/266795320_Using_geographically_weighted_regression_for_housing_market_segmentation
- Wu, B., Li, R. and Huang, B., 2014. A geographically and temporally weighted autoregressive model with application to housing prices. *International Journal of Geographical Information Science*, 28(5), pp.1186-1204.
<https://www.tandfonline.com/doi/abs/10.1080/13658816.2013.878463>
- Crespo, R., Fotheringham, S. and Charlton, M., 2007. Application of geographically weighted regression to a 19-year set of house price data in London to calibrate local hedonic price models. In *Proceedings of the 9th International Conference on Geocomputation*. National University of Ireland Maynooth.
<http://eprints.maynoothuniversity.ie/5816/>
- Wu, C., Ye, X., Ren, F., Wan, Y., Ning, P. and Du, Q., 2016. Spatial and social media data analytics of housing prices in Shenzhen, China. *PloS one*, 11(10), p.e0164553.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0164553>
- McCord, M., Davis, P.T., Haran, M., McGreal, S. and McIlhatton, D., 2012. Spatial variation as a determinant of house price: Incorporating a geographically weighted regression approach within the Belfast housing market. *Journal of Financial Management of Property and Construction*, 17(1), pp.49-72.
<https://www.emeraldinsight.com/doi/abs/10.1108/13664381211211046>
- Samaha, S.A. and Kamakura, W.A., 2008. Assessing the market value of real estate property with a geographically weighted stochastic frontier model. *Real Estate Economics*, 36(4), pp.717-751.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1540-6229.2008.00228.x>
- Crespo, R. and Grêt-Regamey, A., 2013. Local hedonic house-price modelling for urban planners: advantages of using local regression techniques. *Environment and Planning B: Planning and Design*, 40(4), pp.664-682.
https://journals.sagepub.com/doi/abs/10.1068/b38093?casa_token=8wvFz-Mh45UAAAAA%3AQmx_XAPsKy2eeXst-UKgi495-1KW44fekGckPtZS4V4nbXP2q8E1-ThBz9Qc1hECbHQiMl20edU5
- Du, H. and Mulley, C., 2012. Understanding spatial variations in the impact of accessibility on land value using geographically weighted regression. *Journal of Transport and Land Use*, 5(2), pp.46-59.
https://www.jstor.org/stable/26201690?seq=1#metadata_info_tab_contents

Bitter, C., Mulligan, G.F. and Dall' erba, S., 2007. Incorporating spatial variation in housing attribute prices: a comparison of geographically weighted regression and the spatial expansion method. *Journal of Geographical Systems*, 9(1), pp.7-27.

<https://link.springer.com/article/10.1007/s10109-006-0028-7>

Osland, L., 2010. An application of spatial econometrics in relation to hedonic house price modeling. *Journal of Real Estate Research*, 32(3), pp.289-320.

<http://www.aresjournals.org/doi/abs/10.5555/rees.32.3.d4713v80614728x1>

Kestens, Y., Thériault, M. and Des Rosiers, F., 2006. Heterogeneity in hedonic modelling of house prices: looking at buyers' household profiles. *Journal of Geographical Systems*, 8(1), pp.61-96.

<https://link.springer.com/article/10.1007/s10109-005-0011-8>

Löchl, M. and Axhausen, K.W., 2010. Modeling hedonic residential rents for land use and transport simulation while considering spatial effects. *Journal of Transport and Land Use*, 3(2), pp.39-63.

https://www.jstor.org/stable/26201653#metadata_info_tab_contents

Yu, D., Wei, Y.D. and Wu, C., 2007. Modeling spatial dimensions of housing prices in Milwaukee, WI. *Environment and Planning B: Planning and Design*, 34(6), pp.1085-1102.

<https://journals.sagepub.com/doi/abs/10.1068/b32119>

Helbich, M., Brunauer, W., Vaz, E. and Nijkamp, P., 2014. Spatial heterogeneity in hedonic house price models: the case of Austria. *Urban Studies*, 51(2), pp.390-411.

https://journals.sagepub.com/doi/abs/10.1177/0042098013492234?casa_token=2gnet15ECyYAAAA%3Ahaw7cM3DNfbUyopcxj7kYA2p_9xawCWJp6sTfYhS7kJasMR4qswx-iRgn5y_brs2pDdeqioKQvt4

Zhang, H., Zhang, J., Lu, S., Cheng, S. and Zhang, J., 2011. Modeling hotel room price with geographically weighted regression. *International Journal of Hospitality Management*, 30(4), pp.1036-1043.

<https://www.sciencedirect.com/science/article/pii/S0278431911000430>

Yu, D., 2007. Modeling owner-occupied single-family house values in the city of Milwaukee: a geographically weighted regression approach. *GIScience & Remote Sensing*, 44(3), pp.267-282.

https://www.tandfonline.com/doi/abs/10.2747/1548-1603.44.3.267?casa_token=5tZZfsv7p6YAAAAA:7lmcqfF98VvscLRcMyCskQ_rTVtL6dXbd8Kh9M5WLvv5tueO6amo_GfdID8de46cTcRdbHu_4sQ

Lu, B., Charlton, M., Harris, P. and Fotheringham, A.S., 2014. Geographically weighted regression with a non-Euclidean distance metric: a case study using hedonic house price data. *International Journal of Geographical Information Science*, 28(4), pp.660-681.

https://www.tandfonline.com/doi/abs/10.1080/13658816.2013.865739?casa_token=nKsLC9hFv94AAAAA:d3oODIUoz7AmNs0K2Mhrc-XCnUrUVsy0KQD14T9ysPZBPJtMzaAeDU7e6MbNT0PGOnenjXgN3m1n

Lu, B., Charlton, M. and Fotheringham, A.S., 2011. Geographically weighted regression using a non-Euclidean distance metric with a study on London house price data. *Procedia Environmental Sciences*, 7, pp.92-97.

<https://www.sciencedirect.com/science/article/pii/S1878029611001447>

Cho, S.H., Clark, C.D., Park, W.M. and Kim, S.G., 2009. Spatial and temporal variation in the housing market values of lot size and open space. *Land Economics*, 85(1), pp.51-73.

http://le.uwpress.org/content/85/1/51.short?casa_token=JkQ8J9yF0sYAAAAA:V9tMn8XRrQhoakAPkLFSwdIWmrn7e4ljH60Z93fOjI1xB8MILtwR_PZg7ZvXczNjkqDYDiVoIw

Sunding, D.L. and Swoboda, A.M., 2010. Hedonic analysis with locally weighted regression: An application to the shadow cost of housing regulation in Southern California. *Regional Science and Urban Economics*, 40(6), pp.550-573.

<https://www.sciencedirect.com/science/article/pii/S0166046210000608>

Hanink, D.M., Cromley, R.G. and Ebenstein, A.Y., 2012. Spatial variation in the determinants of house prices and apartment rents in China. *The Journal of Real Estate Finance and Economics*, 45(2), pp.347-363.

<https://link.springer.com/article/10.1007/s11146-010-9262-3>

Sunak, Y. and Madlener, R., 2012. The impact of wind farms on property values: a geographically weighted hedonic pricing model.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2114216

Manganelli, B., Pontrandolfi, P., Azzato, A. and Murgante, B., 2013. Urban residential land value analysis: the case of Potenza. In *Computational Science and Its Applications—ICCSA 2013* (pp. 304-314). Springer, Berlin, Heidelberg.

https://link.springer.com/chapter/10.1007%2F978-3-642-39649-6_22

Li, C., Zou, L., Wu, Y. and Xu, H., 2019. Potentiality of using Luojia1-01 night-time light imagery to estimate urban community housing price—A case study in Wuhan, China. *Sensors*, 19(14), p.3167.

<https://doi.org/10.3390/s19143167>

Tomal, M., 2020. Modelling Housing Rents Using Spatial Autoregressive Geographically Weighted Regression: A Case Study in Cracow, Poland. *ISPRS International Journal of Geo-Information*, 9(6), p.346.

<https://doi.org/10.3390/ijgi9060346>

Tang, J., Gao, F., Liu, F., Zhang, W. and Qi, Y., 2019. Understanding spatio-temporal characteristics of urban travel demand based on the combination of GWR and GLM. *Sustainability*, 11(19), p.5525.

<https://doi.org/10.3390/su11195525>

Wang, D., Li, V.J. and Yu, H., 2020. Mass Appraisal Modeling of Real Estate in Urban Centers by Geographically and Temporally Weighted Regression: A Case Study of Beijing's Core Area. *Land*, 9(5), p.143.

<https://doi.org/10.3390/land9050143>

Wang, C.H. and Chen, N., 2020. A geographically weighted regression approach to investigating local built-environment effects on home prices in the housing downturn, recovery, and subsequent increases. *Journal of Housing and the Built Environment*, pp.1-20.

<https://link.springer.com/article/10.1007%2Fs10901-020-09742-8>

Zhang, S., Wang, L. and Lu, F., 2019. Exploring Housing Rent by Mixed Geographically Weighted Regression: A Case Study in Nanjing. *ISPRS International Journal of Geo-Information*, 8(10), p.431.

<https://doi.org/10.3390/ijgi8100431>

Yang, Z., Li, C. and Fang, Y., 2020. Driving Factors of the Industrial Land Transfer Price Based on a Geographically Weighted Regression Model: Evidence from a Rural Land System Reform Pilot in China. *Land*, 9(1), p.7.

<https://doi.org/10.3390/land9010007>

Qu, S., Hu, S., Li, W., Zhang, C., Li, Q. and Wang, H., 2020. Temporal variation in the effects of impact factors on residential land prices. *Applied Geography*, 114, p.102124.

<https://doi.org/10.1016/j.apgeog.2019.102124>

Kim, J., Yoon, S., Yang, E. and Thapa, B., 2020. Valuing Recreational Beaches: A Spatial Hedonic Pricing Approach. *Coastal Management*, 48(2), pp.118-141.

<https://doi.org/10.1080/08920753.2020.1732799>

Shabrina, Z., Buyuklieva, B. and Ng, M.K.M., 2020. Short-Term Rental Platform in the Urban Tourism Context: A Geographically Weighted Regression (GWR) and a Multiscale GWR (MGWR) Approaches. *Geographical Analysis*.

<https://doi.org/10.1111/gean.12259>

Lim, H. and Park, M., 2020. Modeling the spatial dimensions of warehouse rent determinants: A case study of Seoul Metropolitan Area, South Korea. *Sustainability*, 12(1), p.259.

<https://doi.org/10.3390/su12010259>

Hong, I. and Yoo, C., 2020. Analyzing Spatial Variance of Airbnb Pricing Determinants Using Multiscale GWR Approach. *Sustainability*, 12(11), p.4710.

<https://doi.org/10.3390/su12114710>

Liu, F., Min, M., Zhao, K. and Hu, W., 2020. Spatial-Temporal Variation in the Impacts of Urban Infrastructure on Housing Prices in Wuhan, China. *Sustainability*, 12(3), p.1281.

<https://doi.org/10.3390/su12031281>

- Qin, Z., Yu, Y. and Liu, D., 2019. The Effect of HOPSCA on Residential Property Values: Exploratory Findings from Wuhan, China. *Sustainability*, 11(2), p.471.
<https://doi.org/10.3390/su11020471>
- Yang, S., Hu, S., Wang, S. and Zou, L., 2020. Effects of rapid urban land expansion on the spatial direction of residential land prices: Evidence from Wuhan, China. *Habitat International*, 101, p.102186.
<https://doi.org/10.1016/j.habitatint.2020.102186>
- Lagonigro, R., Martori, J.C. and Apparicio, P., 2020. Understanding Airbnb spatial distribution in a southern European city: The case of Barcelona. *Applied Geography*, 115, p.102136.
<https://doi.org/10.1016/j.apgeog.2019.102136>
- Zou, Y., 2019. Air Pollution and Housing Prices across Chinese Cities. *Journal of Urban Planning and Development*, 145(4), p.04019012.
[https://doi.org/10.1061/\(ASCE\)UP.1943-5444.0000517](https://doi.org/10.1061/(ASCE)UP.1943-5444.0000517)
- Cellmer, R. and Trojanek, R., 2020. Towards Increasing Residential Market Transparency: Mapping Local Housing Prices and Dynamics. *ISPRS International Journal of Geo-Information*, 9(1), p.2.
<https://doi.org/10.3390/ijgi9010002>
- Li, Q., Wang, J., Callanan, J., Lu, B. and Guo, Z., 2020. The spatial varying relationship between services of the train network and residential property values in Melbourne, Australia. *Urban Studies*, p.0042098019896977.
<https://doi.org/10.1177/0042098019896977>
- Mittal, J. and Byahut, S., 2019. Scenic landscapes, visual accessibility and premium values in a single family housing market: A spatial hedonic approach. *Environment and Planning B: Urban Analytics and City Science*, 46(1), pp.66-83.
<https://doi.org/10.1177/2399808317702147>
- Oust, A., Hansen, S.N. and Pettrem, T.R., 2019. Combining Property Price Predictions from Repeat Sales and Spatially Enhanced Hedonic Regressions. *The Journal of Real Estate Finance and Economics*, pp.1-25.
<https://link.springer.com/article/10.1007%2Fs11146-019-09723-x>
- Sikder, A. and Züfle, A., 2020. Augmenting Geostatistics with Matrix Factorization: A Case Study for House Price Estimation. *ISPRS International Journal of Geo-Information*, 9(5), p.288.
<https://doi.org/10.3390/ijgi9050288>
- Yang, S., Hu, S., Li, W., Zhang, C. and Song, D., 2020. Spatio-Temporal Nonstationary Effects of Impact Factors on Industrial Land Price in Industrializing Cities of China. *Sustainability*, 12(7), p.2792.
<https://doi.org/10.3390/su12072792>

Chen, S., Zhuang, D. and Zhang, H., 2020. GIS-Based Spatial Autocorrelation Analysis of Housing Prices Oriented towards a View of Spatiotemporal Homogeneity and Nonstationarity: A Case Study of Guangzhou, China. *Complexity*, 2020.

<https://doi.org/10.1155/2020/1079024>

Xu, A., Zhang, C.H. and Ruther, M., 2020. Spatial dependence and spatial heterogeneity in the effects of immigration on home values and native flight in Louisville, Kentucky. *Journal of Urban Affairs*, pp.1-23.

<https://doi.org/10.1080/07352166.2020.1761257>

Kryvobokov, M., Pradella, S. and Des Rosiers, F., 2019. Urban and Peri-Urban Residential Rental Markets in Wallonia: Similar or Different?. *Applied Spatial Analysis and Policy*, pp.1-27.

<https://link.springer.com/article/10.1007%2Fs12061-019-09312-8>

Xu, F., Hu, M., La, L., Wang, J. and Huang, C., 2019. The influence of neighbourhood environment on Airbnb: a geographically weighed regression analysis. *Tourism Geographies*.

<https://doi.org/10.1080/14616688.2019.1586987>

Alola, A.A. and Uzuner, G., 2020. The housing market and agricultural land dynamics: Appraising with Economic Policy Uncertainty Index. *International Journal of Finance & Economics*, 25(2), pp.274-285.

<https://doi.org/10.1002/ijfe.1751>

Liu, X., Andris, C., Huang, Z. and Rahimi, S., 2019. Inside 50,000 living rooms: an assessment of global residential ornamentation using transfer learning. *EPJ Data Science*, 8(1), p.4.

<https://link.springer.com/article/10.1140/epjds/s13688-019-0182-z>

Li, S., Chen, L. and Zhao, P., 2019. The impact of metro services on housing prices: a case study from Beijing. *Transportation*, 46(4), pp.1291-1317.

<https://link.springer.com/article/10.1007/s11116-017-9834-7>

Shamsuddin, S. and Srinivasan, S., 2020. Just Smart or Just and Smart Cities? Assessing the Literature on Housing and Information and Communication Technology. *Housing Policy Debate*, pp.1-24.

<https://doi.org/10.1080/10511482.2020.1719181>

Kim, H., Marcouiller, D.W. and Choi, Y., 2019. Urban redevelopment with justice implications: The role of social justice and social capital in residential relocation decisions. *Urban Affairs Review*, 55(1), pp.288-320.

<https://doi.org/10.1177/1078087418759605>

Barreca, A., Curto, R. and Rolando, D., 2020. Urban vibrancy: an emerging factor that spatially influences the real estate market. *Sustainability*, 12(1), p.346.

<https://doi.org/10.3390/su12010346>

- Gong, Y., de Haan, J. and Boelhouwer, P., 2020. Cross-city spillovers in Chinese housing markets: From a city network perspective. *Papers in Regional Science*.
<https://doi.org/10.1111/pirs.12512>
- Zhang, B., Li, W., Lownes, N. and Zhang, C., 2021. Estimating the Impacts of Proximity to Public Transportation on Residential Property Values: An Empirical Analysis for Hartford and Stamford Areas, Connecticut. *ISPRS International Journal of Geo-Information*, 10(2), p.44.
<https://doi.org/10.3390/ijgi10020044>
- Soltani, A., Pettit, C.J., Heydari, M. and Aghaei, F., 2021. Housing price variations using spatio-temporal data mining techniques. *Journal of Housing and the Built Environment*, pp.1-29.
<https://link.springer.com/article/10.1007/s10901-020-09811-y>
- Dambon, J.A., Sigrist, F. and Furrer, R., 2021. Maximum likelihood estimation of spatially varying coefficient models for large data with an application to real estate price prediction. *Spatial Statistics*, 41, p.100470.
<https://doi.org/10.1016/j.spasta.2020.100470>
- Ying, Y., Koeva, M., Kuffer, M., Asiama, K.O., Li, X. and Zevenbergen, J., 2021. Making the Third Dimension (3D) Explicit in Hedonic Price Modelling: A Case Study of Xi'an, China. *Land*, 10(1), p.24.
<https://doi.org/10.3390/land10010024>
- Vale, S. and de Mello-Sampayo, F., 2021. Effect of Hierarchical Parish System on Portuguese Housing Rents. *Sustainability*, 13(2), p.455.
<https://doi.org/10.3390/su13020455>
- Choi, Y., Jeung, I. and Park, J., 2021. Comparative Analysis of Spatial Impact of Living Social Overhead Capital on Housing Price by Residential type. *KSCE Journal of Civil Engineering*, 25(3), pp.1056-1065.
<https://link.springer.com/article/10.1007/s12205-021-1250-z>
- Choi, Y., Jeung, I. and Park, J., 2021. Comparative Analysis of Spatial Impact of Living Social Overhead Capital on Housing Price by Residential type. *KSCE Journal of Civil Engineering*, 25(3), pp.1056-1065.
<https://link.springer.com/article/10.1007/s12205-021-1250-z>
- Garang, Z., Wu, C., Li, G., Zhuo, Y. and Xu, Z., 2021. Spatio-Temporal Non-Stationarity and Its Influencing Factors of Commercial Land Price: A Case Study of Hangzhou, China. *Land*, 10(3), p.317.
<https://doi.org/10.3390/land10030317>
- Lee, C., 2021. Predicting land prices and measuring uncertainty by combining supervised and unsupervised learning. *International Journal of Strategic Property Management*, 25(2), pp.169-178.
<https://doi.org/10.3846/ijspm.2021.14293>

Ying, Y., Koeva, M., Kuffer, M., Asiama, K.O., Li, X. and Zevenbergen, J., 2021. Making the Third Dimension (3D) Explicit in Hedonic Price Modelling: A Case Study of Xi'an, China. *Land*, 10(1), p.24.

<https://doi.org/10.3390/land10010024>

Kopczewska, K. and Cwiakowski, P., 2021. Spatio-temporal stability of housing submarkets. Tracking spatial location of clusters of geographically weighted regression estimates of price determinants. *Land Use Policy*, 103, p.105292.

<https://doi.org/10.1016/j.landusepol.2021.105292>

Chun, Y., Pierce, S.C. and Van Leuven, A.J., 2021. Are Foreclosure Spillover Effects Universal? Variation Over Space and Time. *Housing Policy Debate*, pp.1-23.

<https://doi.org/10.1080/10511482.2021.1882533>

Koohpayma, J. and Argany, M., 2020. Estimating the price of apartments in Tehran using extracted compound variables. *International Journal of Housing Markets and Analysis*.

<https://doi.org/10.1108/IJHMA-05-2020-0050>

Ogas-Mendez, A.F., Isoda, Y. and Nakaya, T., 2021. Strong, weak, or reversed: The spatial heterogeneities in the effects of squatter settlements on house prices. *Cities*, 117, p.103304.

<https://doi.org/10.1016/j.cities.2021.103304>

Regional Analysis:

Ali, K., Partridge, M.D. and Olfert, M.R., 2007. Can geographically weighted regressions improve regional analysis and policy making?. *International Regional Science Review*, 30(3), pp.300-329.

<https://journals.sagepub.com/doi/abs/10.1177/0160017607301609>

Eckey, H.F., Döring, T. and Türck, M., 2006. *Convergence of regions from 23 EU member states* (No. 86). Volkswirtschaftliche Diskussionsbeiträge.

<https://www.econstor.eu/handle/10419/32129>

Sanso-Navarro, M. and Vera-Cabello, M., 2015. The effects of knowledge and innovation on regional growth: Nonparametric evidence.

<https://www.econstor.eu/handle/10419/124743>

Jozi, X., 2015. *Modelling internal migration in South Africa* (Doctoral dissertation).

<http://wiredspace.wits.ac.za/handle/10539/18560>

Butt, S., Lahtinen, K. and Brunson, C., 2016. Using geographically weighted regression to explore spatial variation in survey data.

<http://openaccess.city.ac.uk/14509/>

Medina, R.M., Nicolosi, E., Brewer, S. and Linke, A.M., 2018. Geographies of Organized Hate in America: A Regional Analysis. *Annals of the American Association of Geographers*, pp.1-16. <https://www.tandfonline.com/doi/abs/10.1080/24694452.2017.1411247>

Bruna, F. and Yu, D., Geographically Weighted Panel Regression and Development Accounting for European Regions. <https://old.reunionesdeestudiosregionales.org/Santiago2016/htdocs/pdf/p1763.pdf>

Helbich, M. and Leitner, M., 2009. Spatial analysis of the urban-to-rural migration determinants in the Viennese metropolitan area. A transition from suburbia to postsuburbia?. *Applied spatial analysis and policy*, 2(3), pp.237-260. <https://link.springer.com/article/10.1007/s12061-009-9026-8>

Goschin, Z., 2018. Regional patterns of Romanian emigration. A Geographically Weighted Regression Model. *Romanian Journal of Economics*, 46(1 (55)), pp.60-74. <http://www.revecon.ro/articles/2018-1/2018-1-3.pdf>

Anindito, D.B., Maula, F.K. and Akbar, R., 2018, February. Modelling the Kampungkota: A quantitative approach in defining Indonesian informal settlements. In *IOP Conference Series: Earth and Environmental Science* (Vol. 117, No. 1, p. 012005). IOP Publishing. <http://iopscience.iop.org/article/10.1088/1755-1315/117/1/012005/meta>

Villar-Navascués, R.A. and Pérez-Morales, A., 2018. Factors Affecting Domestic Water Consumption on the Spanish Mediterranean Coastline. *The Professional Geographer*, pp.1-13. https://www.tandfonline.com/doi/abs/10.1080/00330124.2017.1416302?casa_token=gk-3p6VqHvUAAAAA:mHw2tb9XUkiBIqyv3QOK5VwTNCBJAvY7vIPGLnCoWbJnvQgbTiPkSafip1QeWgM__OHNiENJUCJn

Andreano, M.S., Benedetti, R. and Postiglione, P., 2017. Spatial regimes in regional European growth: an iterated spatially weighted regression approach. *Quality & Quantity*, 51(6), pp.2665-2684. <https://link.springer.com/article/10.1007/s11135-016-0415-1>

Ngaruiya, J.K. and Ngigi, M.M., 2012. Analysis of Sewer Chokes Using GIS: A Case Study Nairobi City Western Region. https://s3.amazonaws.com/academia.edu.documents/34419857/K0372057065.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1544582864&Signature=g6Ziq8ahBJ8uMj5U1zetXe%2Bi8xc%3D&response-content-disposition=inline%3B%20filename%3DInternational_Journal_of_Engineering_and.pdf

Artelaris, P., Regional convergence and divergence in the enlarged european union: a comparison of different spatial econometric approaches. http://grsa.prd.uth.gr/conf2013/78_artelaris_ersagr13.pdf

- Ogneva-Himmelberger, Y., Pearsall, H. and Rakshit, R., 2009. Concrete evidence & geographically weighted regression: A regional analysis of wealth and the land cover in Massachusetts. *Applied Geography*, 29(4), pp.478-487.
<https://www.sciencedirect.com/science/article/pii/S0143622809000253>
- Eckey, H.F., Kosfeld, R. and Türck, M., 2007. Regional convergence in Germany: a geographically weighted regression approach. *Spatial Economic Analysis*, 2(1), pp.45-64.
<https://www.tandfonline.com/doi/abs/10.1080/17421770701251905>
- Lloyd, C.D., 2010. Analysing population characteristics using geographically weighted principal components analysis: a case study of Northern Ireland in 2001. *Computers, Environment and Urban Systems*, 34(5), pp.389-399.
<https://www.sciencedirect.com/science/article/pii/S0198971510000165>
- Hogrebe, M.C. and Tate, W.F., 2012. Place, poverty, and algebra: A statewide comparative spatial analysis of variable relationships. *Journal of Mathematics Education at Teachers College*, 3(2).
<https://doi.org/10.7916/jmetc.v3i2.746>
- Lee, S.I., 2004. Spatial data analysis for the US regional income convergence, 1969-1999: A critical appraisal of β -convergence.
<http://s-space.snu.ac.kr/handle/10371/4827>
- Yu, D., 2014. Understanding regional development mechanisms in Greater Beijing Area, China, 1995–2001, from a spatial–temporal perspective. *GeoJournal*, 79(2), pp.195-207.
<https://link.springer.com/article/10.1007/s10708-013-9500-3>
- HE, X., 2009. Modeling church services supply and performance, using geographically weighted regression.
<http://www.diva-portal.org/smash/record.jsf?pid=diva2%3A275323&dswid=-6434>
- Wang, F., Gao, M., Liu, J., Qin, Y., Wang, G., Fan, W. and Ji, L., 2019. An empirical study on the impact path of urbanization to carbon emissions in the China Yangtze River delta urban agglomeration. *Applied Sciences*, 9(6), p.1116.
<https://doi.org/10.3390/app9061116>
- Osorio-Arjona, J., Horak, J., Svoboda, R. and García-Ruíz, Y., 2021. Social media semantic perceptions on Madrid Metro system: Using Twitter data to link complaints to space. *Sustainable Cities and Society*, 64, p.102530.
<https://doi.org/10.1016/j.scs.2020.102530>
- Wang, Y., Chen, X., Sun, P., Liu, H. and He, J., 2021. Spatial-temporal Evolution of the Urban-rural Coordination Relationship in Northeast China in 1990–2018. *Chinese Geographical Science*, 31(3), pp.429-443.
<https://doi.org/10.1007/s11769-021-1202-z>

Software:

Bivand, R., 2017. Geographically weighted regression.

<http://ftp.auckland.ac.nz/software/CRAN/doc/packages/spgwr.pdf>

Li, Z., Oshan, T., Fotheringham, S., Kang, W., Levi Wolf, H.Y. and Luo, W., MGWR 1.0 User Manual.

https://sgsup.asu.edu/sites/default/files/SparcFiles/mgwr_1.0_manual_final.pdf

Gollini, I., Lu, B., Charlton, M., Brunson, C. and Harris, P., 2013. GWmodel: an R package for exploring spatial heterogeneity using geographically weighted models. *arXiv preprint arXiv:1306.0413*.

<https://arxiv.org/abs/1306.0413>

Lu, B., Harris, P., Gollini, I., Charlton, M. and Brunson, C., 2013. Introducing the GWmodel R and python packages for modelling spatial heterogeneity. In *Proceedings of the 12th International Conference on GeoComputation*.

<http://eprints.maynoothuniversity.ie/6131/>

Lu, B., Harris, P., Charlton, M. and Brunson, C., 2014. The GWmodel R package: further topics for exploring spatial heterogeneity using geographically weighted models. *Geo-spatial Information Science*, 17(2), pp.85-101.

<https://www.tandfonline.com/doi/abs/10.1080/10095020.2014.917453>

Lu, B., Harris, P., Gollini, I., Charlton, M. and Brunson, C., 2013. GWmodel: an R package for exploring spatial heterogeneity. *GISRUK 2013*, pp.3-5.

https://www.geos.ed.ac.uk/~gisteac/proceedingsonline/GISRUK2013/gisruk2013_submission_8.pdf

Oshan, T.M., Li, Z., Kang, W., Wolf, L.J. and Fotheringham, A.S., 2019. mgwr: A Python implementation of multiscale geographically weighted regression for investigating process spatial heterogeneity and scale. *ISPRS International Journal of Geo-Information*, 8(6), p.269.

<https://doi.org/10.3390/ijgi8060269>

Terrorism:

Yildirim, J. and Öcal, N., 2013. Analysing the determinants of terrorism in Turkey using geographically weighted regression. *Defence and Peace Economics*, 24(3), pp.195-209.

<https://www.tandfonline.com/doi/abs/10.1080/10242694.2012.695034>

Öcal, N. and Yildirim, J., 2010. Regional effects of terrorism on economic growth in Turkey: A geographically weighted regression approach. *Journal of Peace Research*, 47(4), pp.477-489.

https://journals.sagepub.com/doi/abs/10.1177/0022343310364576?casa_token=g5uNFFAgIL8A AAAA%3A_WwaasPV8cSOc2pGGBrY7dj8BU74Gg1_7spsv8yk6mzMBtMC_GoI7u2NkgaaGh2JPSiDhNxVhYUh

Transportation:

Mountain, D.M., Tsui, J.L.Y. and Raper, J.F., 2007. Modelling accessibility via transportation networks based upon previous experience: a Geographically Weighted Regression approach. *Geocomputation 2007*.

http://www.geocomputation.org/2007/5A-Spatial_Networks/5A1.pdf

Andersson, J., 2017. Using Geographically Weighted Regression (GWR) to explore spatial variations in the relationship between public transport accessibility and car use: a case study in Lund and Malmö, Sweden. *Student thesis series INES*.

<https://lup.lub.lu.se/student-papers/search/publication/8919808>

Zhang, X., Huang, B. and Zhu, S., 2019. Spatiotemporal Influence of Urban Environment on Taxi Ridership Using Geographically and Temporally Weighted Regression. *ISPRS International Journal of Geo-Information*, 8(1), p.23.

<https://www.mdpi.com/2220-9964/8/1/23>

Mohammed, F.K., Opadeyi, J. and Beckles, D.M., 2018. The relationship between Polycyclic Aromatic Hydrocarbon (PAH) concentration and traffic count along the urban roadways of a small island state: a spatial analysis technique. *International Journal of Urban Sciences*, pp.1-17.

<https://www.tandfonline.com/doi/abs/10.1080/12265934.2018.1558103>

Efthymiou, D., Antoniou, C. and Tyrinopoulos, Y., 2012, January. SPATIALLY-AWARE OPTIMAL SITE SELECTION. A METHOD AND AN APPLICATION IN A MOBILITY CENTER IN GREECE 2. In *Presented at the 91st Annual Meeting of the Transportation Research Board* (Vol. 33, p. 34).

https://www.researchgate.net/profile/Dimitris_Efthymiou/publication/236167938_Spatially-aware_optimal_site_selection_A_method_and_an_application_in_a_mobility_center_in_Greece/links/00463519554d765067000000.pdf

Peer, S., Knockaert, J., Koster, P., Tseng, Y.Y. and Verhoef, E.T., 2013. Door-to-door travel times in RP departure time choice models: An approximation method based on GPS data.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=1976147

Songpatanasilp, P., Horanont, T., Yamada, H. and Shibasaki, R., 2015, November. Modeling Traffic Accidents Occurrences Based on Land Use and Road Factors Using Geographically Weighted Regression Models. In *International Conference on Knowledge, Information, and Creativity Support Systems* (pp. 220-232). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-70019-9_18

Tamesue, K. and Tsutsumi, M., 2013. Geographically weighted regression approach for origin-destination flows. In *VII World Conference of the Spatial Econometrics Association*.
https://www.rri.wvu.edu/wp-content/uploads/2013/07/Fullpaper_3.D.3.pdf

Zhu, Y., Chen, F., Wang, Z. and Deng, J., 2018. Spatio-temporal analysis of rail station ridership determinants in the built environment. *Transportation*, pp.1-21.
<https://link.springer.com/article/10.1007/s11116-018-9928-x>

Dziauddin, M.F., 2019. Estimating land value uplift around light rail transit stations in Greater Kuala Lumpur: An empirical study based on geographically weighted regression (GWR). *Research in Transportation Economics*.
<https://www.sciencedirect.com/science/article/abs/pii/S0739885918300696>

Göçer, Ö., Göçer, K., Özcan, B., Bakovic, M. and Kıraç, M.F., 2019. Pedestrian tracking in outdoor spaces of a suburban university campus for the investigation of occupancy patterns. *Sustainable cities and society*, 45, pp.131-142.
<https://www.sciencedirect.com/science/article/pii/S2210670718311028>

Blainey, S.P. and Preston, J.M., 2013. Extending geographically weighted regression from points to flows: a rail-based case study. *Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit*, 227(6), pp.724-734.
<https://journals.sagepub.com/doi/abs/10.1177/0954409713496987>

Blainey, S.P. and Preston, J.M., 2010, July. A geographically weighted regression based analysis of rail commuting around Cardiff, South Wales. In *12th world conference on transportation research*.
https://www.researchgate.net/profile/John_Preston5/publication/229020242_A_geographically_weighted_regression_based_analysis_of_rail_commuting_around_Cardiff_South_Wales/links/00463525a825e632ab000000/A-geographically-weighted-regression-based-analysis-of-rail-commuting-around-Cardiff-South-Wales.pdf

Mulley, C. and Tanner, M., 2009. *Vehicle Kilometres Travelled (VKT) by Private Car: A Spatial Analysis Using Geographically Weighted Regression*. Transport NSW.
https://atrf.info/papers/2009/2009_mulley_tanner.pdf

Blainey, S., 2010. Trip end models of local rail demand in England and Wales. *Journal of Transport Geography*, 18(1), pp.153-165.
<https://www.sciencedirect.com/science/article/abs/pii/S0966692308001282>

Ji, Y., Ma, X., Yang, M., Jin, Y. and Gao, L., 2018. Exploring Spatially Varying Influences on Metro-Bikeshare Transfer: A Geographically Weighted Poisson Regression Approach. *Sustainability*, 10(5), p.1526.
<https://www.mdpi.com/2071-1050/10/5/1526/htm>

Carriazo, F. and Peñaranda, J., 2015. The Effect of Commuting Costs to Employment Centers on Urban Property Values: A Spatial Analysis in Bogotá, Colombia.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2631761

Chen, N., Wang, C.H. and Akar, G., 2017. Geographically weighted regression approach to investigate spatial variations in activity space. *Transportation Research Record: Journal of the Transportation Research Board*, (2671), pp.40-50.

<https://trrjournalonline.trb.org/doi/abs/10.3141/2671-05>

Chiou, Y.C., Jou, R.C. and Yang, C.H., 2015. Factors affecting public transportation usage rate: Geographically weighted regression. *Transportation Research Part A: Policy and Practice*, 78, pp.161-177.

<https://www.sciencedirect.com/science/article/pii/S0965856415001445>

Aghayari, M., Pahlavani, P. and Bigdeli, B., 2017. a Geographic Weighted Regression for Rural Highways Crashes Modelling Using the Gaussian and Tricube Kernels: a Case Study of USA Rural Highways. *ISPRS-International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, pp.305-309.

<https://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XLII-4-W4/305/2017/isprs-archives-XLII-4-W4-305-2017.pdf>

Vaz, E., Tehranchi, S. and Cusimano, M., 2017. Spatial Assessment of Road Traffic Injuries in the Greater Toronto Area (GTA): Spatial Analysis Framework. *Journal of Spatial and Organizational Dynamics*, 5(1), pp.37-55.

<https://www.jsod-cieo.net/journal/index.php/jsod/article/view/85>

Jeong, M.H., Sullivan, C.J., Cheng, M. and Wang, S., 2016, October. Minimization of the impact of sensor velocity on the probability of source detection using geographically weighted methods. In *Nuclear Science Symposium, Medical Imaging Conference and Room-Temperature Semiconductor Detector Workshop (NSS/MIC/RTSD)*, 2016 (pp. 1-2). IEEE.

<https://ieeexplore.ieee.org/abstract/document/8069703>

Tao, X., Fu, Z. and Comber, A.J., 2018. An Analysis of Modes of Commuting in Urban and Rural Areas. *Applied Spatial Analysis and Policy*, pp.1-15.

<https://link.springer.com/article/10.1007/s12061-018-9271-9>

Kim, M., Kim, S. and Lee, J., 2018. Spatial heterogeneity of country-of-origin effects within a country: analysis of online review ratings in the US car market. *Marketing Letters*, 29(2), pp.189-205.

<https://link.springer.com/article/10.1007/s11002-018-9451-z>

Yu, C.Y. and Xu, M., 2017. Local Variations in the Impacts of Built Environments on Traffic Safety. *Journal of Planning Education and Research*, p.0739456X17696035.

<https://journals.sagepub.com/doi/abs/10.1177/0739456X17696035>

Shariat-Mohaymany, A., Shahri, M., Mirbagheri, B. and Matkan, A.A., 2015. Exploring Spatial Non-Stationarity and Varying Relationships between Crash Data and Related Factors Using Geographically Weighted Poisson Regression. *Transactions in GIS*, 19(2), pp.321-337.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/tgis.12107>

Calvo, F., Eboli, L., Forciniti, C. and Mazzulla, G., 2019. Factors influencing trip generation on metro system in Madrid (Spain). *Transportation Research Part D: Transport and Environment*, 67, pp.156-172.

<https://www.sciencedirect.com/science/article/pii/S1361920915301115>

Liu, J., Wang, X., Khattak, A.J., Hu, J., Cui, J. and Ma, J., 2016. How big data serves for freight safety management at highway-rail grade crossings? A spatial approach fused with path analysis. *Neurocomputing*, 181, pp.38-52.

<https://www.sciencedirect.com/science/article/pii/S0925231215016604>

Yao, S., Loo, B.P. and Lam, W.W., 2015. Measures of activity-based pedestrian exposure to the risk of vehicle-pedestrian collisions: space-time path vs. potential path tree methods. *Accident Analysis & Prevention*, 75, pp.320-332.

<https://www.sciencedirect.com/science/article/abs/pii/S0001457514003844>

Huang, Y., Wang, X. and Patton, D., 2018. Examining spatial relationships between crashes and the built environment: A geographically weighted regression approach. *Journal of Transport Geography*, 69, pp.221-233.

<https://www.sciencedirect.com/science/article/abs/pii/S0966692317306373>

Peer, S., Knockaert, J., Koster, P., Tseng, Y.Y. and Verhoef, E.T., 2013. Door-to-door travel times in RP departure time choice models: An approximation method using GPS data. *Transportation Research Part B: Methodological*, 58, pp.134-150.

<https://www.sciencedirect.com/science/article/pii/S0191261513001793>

Qian, X. and Ukkusuri, S.V., 2015. Spatial variation of the urban taxi ridership using GPS data. *Applied Geography*, 59, pp.31-42.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622815000429>

Efthymiou, D. and Antoniou, C., 2013. How do transport infrastructure and policies affect house prices and rents? Evidence from Athens, Greece. *Transportation Research Part A: Policy and Practice*, 52, pp.1-22.

<https://www.sciencedirect.com/science/article/pii/S0965856413000980>

Whelan, G., Crockett, J. and Vitouladiti, S., 2010. A new model of car ownership in London: Geo-Spatial analysis of policy interventions. In *European Transport Conference, 2010 Association for European Transport (AET)*.

<https://trid.trb.org/view/1118238>

Bulteau, J., Feuillet, T. and Le Boennec, R., 2018. Spatial Heterogeneity of Sustainable Transportation Offer Values: A Comparative Analysis of Nantes Urban and Periurban/Rural Areas (France). *Urban Science*, 2(1), p.14.

<https://www.mdpi.com/2413-8851/2/1/14>

Clark, S.D., 2007. Estimating local car ownership models. *Journal of transport Geography*, 15(3), pp.184-197.

<https://www.sciencedirect.com/science/article/abs/pii/S0966692306000329>

Olawole, M.O. and Olapoju, O.M., 2018. Understanding the spatial patterns of tanker accidents in Nigeria using geographically weighted regression. *International Journal of Vehicle Safety*, 10(1), pp.58-77.

https://www.researchgate.net/profile/Olabisi_Olapoju/publication/325977258_Understanding_the_spatial_patterns_of_tanker_accidents_in_Nigeria_using_geographically_weighted_regression/inks/5b3df1d44585150d23fe5916/Understanding-the-spatial-patterns-of-tanker-accidents-in-Nigeria-using-geographically-weighted-regression.pdf

Timofeev, V.S., Teselkina, K.V. and Veselova, A.S., 2018, October. Development and Research of Transport Speed Models Using the Methods of Geo-Statistical Data Analysis. In *2018 XIV International Scientific-Technical Conference on Actual Problems of Electronics Instrument Engineering (APEIE)* (pp. 315-319). IEEE.

<https://ieeexplore.ieee.org/abstract/document/8545605>

Rybarczyk, G., 2018. Toward a spatial understanding of active transportation potential among a university population. *International Journal of Sustainable Transportation*, pp.1-12.

<https://www.tandfonline.com/doi/abs/10.1080/15568318.2017.1422301>

Yang, X.T., Fang, Y.P., Qiu, X.P. and Zhu, F.B., 2018. Gradient effect of road transportation on economic development in different geomorphic regions. *Journal of Mountain Science*, 15(1), pp.181-197.

<https://link.springer.com/article/10.1007/s11629-017-4498-5>

Zhang, H. and Yin, L., 2018. Spatial Clustering of Pedestrian Activity and the Built Environment Characteristics. *Nano LIFE*.

<https://www.worldscientific.com/doi/abs/10.1142/S1793984418400056?journalCode=nl>

Bao, J., Shi, X. and Zhang, H., 2018. Spatial Analysis of Bikeshare Ridership with Smart Card and POI Data Using Geographically Weighted Regression Method. *IEEE Access*.

<https://ieeexplore.ieee.org/abstract/document/8550641>

Tu, W., Cao, R., Yue, Y., Zhou, B., Li, Q. and Li, Q., 2018. Spatial variations in urban public ridership derived from GPS trajectories and smart card data. *Journal of Transport Geography*, 69, pp.45-57.

<https://www.sciencedirect.com/science/article/abs/pii/S0966692317304155>

Liu, Y., Ji, Y., Shi, Z. and Gao, L., 2018. The Influence of the Built Environment on School Children's Metro Ridership: An Exploration Using Geographically Weighted Poisson Regression Models. *Sustainability*, 10(12), p.4684.

<https://www.mdpi.com/2071-1050/10/12/4684>

Cartlidge, J., Gong, S., Bai, R., Yue, Y., Li, Q. and Qiu, G., 2018, March. Spatio-temporal prediction of shopping behaviours using taxi trajectory data. In *Big Data Analysis (ICBDA), 2018 IEEE 3rd International Conference on* (pp. 112-116). IEEE.
<https://ieeexplore.ieee.org/abstract/document/8367660>

Meade, S. and Stewart, K., 2018. Modelling Cycling Flow for the Estimation of Cycling Risk at a Meso Urban Spatial Level. *Transportation research procedia*, 34, pp.59-66.
<https://www.sciencedirect.com/science/article/pii/S235214651830303X>

Romano, M., Siegel, M.S. and Chan, H.Y., 2018. Creating a Predictive Model for Pavement Deterioration using Geographic Weighted Regression. *Transportation Research Record*, p.0361198118788430.
https://journals.sagepub.com/doi/abs/10.1177/0361198118788430?casa_token=qk9eGS4Mv7kA AAAA:Obc_JBydguR2ALkl9R6vkKz4VEhtarHNRgQUmXjO1Y5g4avVlcN4BaTd4oE2TNmECQFyg2LK2N-f

Yang, L., 2018. Evaluating the urban land use plan with transit accessibility. *Sustainable Cities and Society*.
<https://www.sciencedirect.com/science/article/pii/S221067071832002X>

Ma, X., Zhang, J. and Ding, C., 2019. Analyzing the Spatial and Temporal Characteristics of Subway Passenger Flow Based on Smart Card Data. In *Transportation Analytics in the Era of Big Data* (pp. 121-151). Springer, Cham.
https://link.springer.com/chapter/10.1007/978-3-319-75862-6_6

Mulley, C., Tsai, C.H.P. and Ma, L., 2018. Does residential property price benefit from light rail in Sydney?. *Research in Transportation Economics*.
<https://www.sciencedirect.com/science/article/abs/pii/S0739885915300573>

Hu, X., Wu, C., Wang, J. and Qiu, R., 2018. Identification of spatial variation in road network and its driving patterns: Economy and population. *Regional Science and Urban Economics*, 71, pp.37-45.
<https://www.sciencedirect.com/science/article/pii/S0166046217303289>

Gomes, M.M., Pirdavani, A., Brijs, T. and Pitombo, C.S., 2019. Assessing the impacts of enriched information on crash prediction performance. *Accident Analysis & Prevention*, 122, pp.162-171.
<https://www.sciencedirect.com/science/article/pii/S0001457518307930>

Lin, Y., Hu, X., Zheng, X., Hou, X., Zhang, Z., Zhou, X., Qiu, R. and Lin, J., 2019. Spatial variations in the relationships between road network and landscape ecological risks in the highest forest coverage region of China. *Ecological Indicators*, 96, pp.392-403.
<https://www.sciencedirect.com/science/article/pii/S1470160X18306915>

- Soltani, A., Pojani, D., Askari, S. and Masoumi, H.E., 2018. Socio-demographic and built environment determinants of car use among older adults in Iran. *Journal of Transport Geography*, 68, pp.109-117.
<https://www.sciencedirect.com/science/article/abs/pii/S0966692317307834>
- Ma, X., Zhang, J., Ding, C. and Wang, Y., 2018. A geographically and temporally weighted regression model to explore the spatiotemporal influence of built environment on transit ridership. *Computers, Environment and Urban Systems*, 70, pp.113-124.
<https://www.sciencedirect.com/science/article/pii/S0198971517306075>
- Bao, J., Liu, P., Qin, X. and Zhou, H., 2018. Understanding the effects of trip patterns on spatially aggregated crashes with large-scale taxi GPS data. *Accident Analysis & Prevention*, 120, pp.281-294.
<https://www.sciencedirect.com/science/article/abs/pii/S0001457518304779>
- Gomes, M.J.T.L., Cunto, F. and da Silva, A.R., 2017. Geographically weighted negative binomial regression applied to zonal level safety performance models. *Accident Analysis & Prevention*, 106, pp.254-261.
<https://www.sciencedirect.com/science/article/abs/pii/S0001457517302257>
- Losada, N., Alen, E., Cotos-Yanez, T.R. and Dominguez, T., 2019. Spatial heterogeneity in Spain for senior travel behavior. *Tourism Management*, 70, pp.444-452.
<https://www.sciencedirect.com/science/article/pii/S026151771830219X>
- Gebresilassie, M.A., 2017. Spatio-temporal Traffic Flow Prediction.
<http://www.diva-portal.org/smash/record.jsf?pid=diva2%3A1134487&dswid=topdog>
- Baqueri, S.F.A., Do Lee, W., Knapen, L., Bellemans, T., Janssens, D. and Wets, G., 2016. Estimating Incoming Cross-border Trips Through Land Use data Resources—A Case of Karachi City. *Procedia Computer Science*, 83, pp.270-277.
<https://www.sciencedirect.com/science/article/pii/S187705091630148X>
- Salas-Olmedo, M.H., Wang, Y. and Alonso, A., 2017. Assessing accessibility with local coefficients for the LUTI model MARS. *Computers, Environment and Urban Systems*, 64, pp.194-203.
<https://www.sciencedirect.com/science/article/pii/S0198971516303507>
- Tsiko, R.G., 2016. Geographically Weighted Regression of Determinants Affecting Women's Access to Land in Africa. *Geosciences*, 6(1), p.16.
<https://www.mdpi.com/2076-3263/6/1/16>
- Bao, J., Liu, P., Yu, H. and Xu, C., 2017. Incorporating twitter-based human activity information in spatial analysis of crashes in urban areas. *Accident Analysis & Prevention*, 106, pp.358-369.
<https://www.sciencedirect.com/science/article/abs/pii/S0001457517302269>

Bujanda, A. and Fullerton, T.M., 2017. Impacts of transportation infrastructure on single-family property values. *Applied Economics*, 49(51), pp.5183-5199.

<https://www.tandfonline.com/doi/abs/10.1080/00036846.2017.1302064>

Gong, S., Cartlidge, J., Yue, Y., Qiu, G., Li, Q. and Xin, J., 2017, November. Geographical huff model calibration using taxi trajectory data. In *Proceedings of the 10th ACM SIGSPATIAL Workshop on Computational Transportation Science* (pp. 30-35). ACM.

<https://dl.acm.org/citation.cfm?id=3151553>

Liu, J. and Khattak, A.J., 2017. Gate-violation behavior at highway-rail grade crossings and the consequences: using geo-spatial modeling integrated with path analysis. *Accident Analysis & Prevention*, 109, pp.99-112.

<https://www.sciencedirect.com/science/article/abs/pii/S0001457517303664>

Amoh-Gyimah, R., Saberi, M. and Sarvi, M., 2017. The effect of variations in spatial units on unobserved heterogeneity in macroscopic crash models. *Analytic methods in accident research*, 13, pp.28-51.

<https://www.sciencedirect.com/science/article/pii/S2213665716300471>

Liu, J., Khattak, A.J. and Wali, B., 2017. Do safety performance functions used for predicting crash frequency vary across space? Applying geographically weighted regressions to account for spatial heterogeneity. *Accident Analysis & Prevention*, 109, pp.132-142.

<https://www.sciencedirect.com/science/article/abs/pii/S0001457517303688>

Yang, H., Lu, X., Cherry, C., Liu, X. and Li, Y., 2017. Spatial variations in active mode trip volume at intersections: a local analysis utilizing geographically weighted regression. *Journal of Transport Geography*, 64, pp.184-194.

<https://www.sciencedirect.com/science/article/abs/pii/S0966692316305671>

Cordoba, H.A. and Ivy, R.L., 2014. Modeling the Spatial Variation in US Airfares Utilizing Geographically Weighted Regression. *International Journal of Applied Geospatial Research (IJAGR)*, 5(4), pp.54-71.

<https://www.igi-global.com/article/modeling-the-spatial-variation-in-us-airfares-utilizing-geographically-weighted-regression/119617>

Anciaes, P.R., 2014, June. Using locally weighted regressions to model social inequalities in exposure to urban road traffic noise. European Urban Research Association (EURA) and the Urban Affairs Association (UAA).

http://discovery.ucl.ac.uk/1434196/1/Anciaes_using_locally_weighted_regressions_to_model.pdf

Borish, M.J., 2014. *Surface hoar observations at the scale of a helicopter skiing operation* (Doctoral dissertation, Montana State University-Bozeman, College of Letters & Science).

<https://scholarworks.montana.edu/xmlui/handle/1/8773>

Nowrouzian, R. and Srinivasan, S., 2014. *A Spatial Quasi-Poisson Model for Car Ownership* (No. 14-5382).

<https://trid.trb.org/view/1289920>

Park, S.H., Jang, K., Kim, D.K., Kho, S.Y. and Kang, S., 2015. Spatial analysis methods for identifying hazardous locations on expressways in Korea. *Scientia Iranica. Transaction B, Mechanical Engineering*, 22(4), p.1594.

https://search.proquest.com/openview/6532bf8c73e4211412147178d734e7a5/1?casa_token=FMm6GJcURIAAAAAA:I7m3gxQK5xKIhsIgAUewGvQd8awAQbrLfQENNokqhsquIHJRkWHrT3wk_CUPEhtYu7L8XMj1SQ&cbl=54701&pq-origsite=gscholar

Pirdavani, A., Brijs, T., Bellemans, T. and Wets, G., 2013. Investigating different road safety implications of two TDM policy measures: Fuel-cost increase and teleworking. In *16th International Conference Road Safety on Four Continents. Beijing, China (RS4C 2013). 15-17 May 2013*. Statens väg-och transportforskningsinstitut.

<http://www.diva-portal.org/smash/record.jsf?pid=diva2%3A759739&dswid=0.9630113408174472>

Bin, M., Lee, W.D., Moon, J. and Joh, C.H., 2013. Integrated Equity Analysis Based on Travel Behavior and Transportation Infrastructure: In Gyeonggi-Do Case. *Journal of Korean Society of Transportation*, 31(4), pp.47-57.

<http://www.koreascience.or.kr/article/JAKO201330258590166.page>

Selby, B.F., 2011. *Spatial prediction of AADT in unmeasured locations by universal kriging and microsimulation of vehicle holdings and car-market pricing dynamics* (Doctoral dissertation).

<https://repositories.lib.utexas.edu/handle/2152/47011>

Nissi, E. and Sarra, A., 2011. Detecting local variations in spatial interaction models by means of geographically weighted regression. *Journal of Applied Sciences*, 11(4), pp.630-638.

<http://docsdrive.com/pdfs/ansinet/jas/2011/630-638.pdf>

Blainey, S. and Mulley, C., 2013, October. Using Geographically Weighted Regression to forecast rail demand in the Sydney Region. In *Australasian Transport Research Forum*.

https://atrf.info/papers/2013/2013_blainey_mulley.pdf

Shah, T.I. and Bell, S., 2013, November. Exploring the intra-urban variations in the relationship among geographic accessibility to PHC services and socio-demographic factors. In *Proceedings of the Second ACM SIGSPATIAL International Workshop on the Use of GIS in Public Health* (pp. 68-76). ACM.

<https://dl.acm.org/citation.cfm?id=2535715>

Müller, S., Wilhelm, P. and Haase, K., 2013. Spatial dependencies and spatial drift in public transport seasonal ticket revenue data. *Journal of Retailing and Consumer Services*, 20(3), pp.334-348.

<https://www.sciencedirect.com/science/article/pii/S0969698913000064>

- Borish, M., Birkeland, K.W., Custer, S., Challender, S. and Hendriks, J., 2012, September. Surface hoar distribution at the scale of a helicopter skiing operation. In *Proceedings ISSW*(pp. 1040-1046).
https://www.researchgate.net/profile/Jordy_Hendriks/publication/259466143_Surface_hoar_distribution_at_the_scale_of_a_helicopter_skiing_operation/links/0deec52caf1597374d000000.pdf
- Sim, J.S., Kim, H.Y., Nam, K.W. and Lee, S.H., 2013. Analysis of the characteristics of subway influence areas using a geographically weighted regression model. *Journal of the Korean Association of Geographic Information Studies*, 16(1), pp.67-79.
http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=GRJBBB_2013_v16n1_67
- Pirdavani, A., Brijs, T., Bellemans, T. and Wets, G., 2013. Spatial analysis of fatal and injury crashes in Flanders, Belgium: application of geographically weighted regression technique. Transportation Research Board.
<https://uhdspace.uhasselt.be/dspace/handle/1942/14565>
- Comber, A., Brunson, C. and Phillips, M., 2012. The varying impact of geographic distance as a predictor of dissatisfaction over facility access. *Applied Spatial Analysis and Policy*, 5(4), pp.333-352.
<https://link.springer.com/article/10.1007/s12061-011-9074-8>
- Keshkamat, S.S., Tsendbazar, N.E., Zuidgeest, M.H.P., Shiirev-Adiya, S., van der Veen, A. and van Maarseveen, M.F.A.M., 2013. Understanding transportation-caused rangeland damage in Mongolia. *Journal of environmental management*, 114, pp.433-444.
<https://www.sciencedirect.com/science/article/pii/S0301479712005488>
- Srinivasan, S., 2010. Linking Travel Behavior and Location in Chengdu, China: Geographically Weighted Approach. *Transportation Research Record: Journal of the Transportation Research Board*, (2193), pp.85-95.
<https://journals.sagepub.com/doi/pdf/10.3141/2193-11>
- Yeboah, G., Anable, J., Chatterton, T., Barnes, J. and Eddie, R., 2007. Understanding car ownership elasticities in England and Wales: Advancing the evidence base with new data sources. *Transport*, 1991(2001).
https://s3.amazonaws.com/academia.edu.documents/38257263/v9_Yeboah_et_al_GISRUKPaper_Template2015.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1544212911&Signature=zAcQo0syROknwFPbxB5eWPglX%2BY%3D&response-content-disposition=inline%3B%20filename%3DUnderstanding_car_ownership_elasticities.pdf
- Paez, D. and Currie, G., 2010, September. Key factors affecting journey to work in Melbourne using geographically weighted regression. In *33rd Australasian Transport Research Forum* (Vol. 33).
https://atrf.info/papers/2010/2010_Paez_Currie.pdf
- Lane, B.W. and Kobayashi, T., 2007. Spatial heterogeneity and transit use.
file:///C:/Users/wluo23/Downloads/fulltext_stamped.pdf

Gadziński, J. and Radzinski, A., 2016. The first rapid tram line in Poland: How has it affected travel behaviours, housing choices and satisfaction, and apartment prices?. *Journal of Transport Geography*, 54, pp.451-463.

<https://www.sciencedirect.com/science/article/abs/pii/S0966692315002033>

Franch, X., Morillas-Torné, M. and Martí-Henneberg, J., 2013. Railways as a Factor of Change in the Distribution of Population in Spain, 1900–1970. *Historical Methods: A Journal of Quantitative and Interdisciplinary History*, 46(3), pp.144-156.

<https://www.tandfonline.com/doi/abs/10.1080/01615440.2013.803414>

Zhong, H. and Li, W., 2016. Rail transit investment and property values: An old tale retold. *Transport Policy*, 51, pp.33-48.

<https://www.sciencedirect.com/science/article/pii/S0967070X16302402>

Zhao, F., Chow, L., Li, M. and Liu, X., 2005. A transit ridership model based on geographically weighted regression and service quality variables. *Lehman Center for Transportation Research, Florida International University, Miami, Florida*. http://lctr.eng.fiu.edu/re-project-link/finalDO97591_BW.pdf (accessed December 12, 2010).

<http://lctr.eng.fiu.edu/reports.htm>

Mulley, C., Ma, L., Clifton, G., Yen, B. and Burke, M., 2016. Residential property value impacts of proximity to transport infrastructure: An investigation of bus rapid transit and heavy rail networks in Brisbane, Australia. *Journal of Transport Geography*, 54, pp.41-52.

<https://www.sciencedirect.com/science/article/abs/pii/S0966692316302691>

Tsai, C.H.P., Mulley, C. and Clifton, G., 2012. The spatial interactions between public transport demand and land use characteristics in the Sydney Greater Metropolitan Area. *Road & Transport Research: A Journal of Australian and New Zealand Research and Practice*, 21(4), p.62.

<https://search.informit.com.au/documentSummary;dn=145563327483934;res=IELNZC>

Rhee, K.A., Kim, J.K., Lee, Y.I. and Ulfarsson, G.F., 2016. Spatial regression analysis of traffic crashes in Seoul. *Accident Analysis & Prevention*, 91, pp.190-199.

<https://www.sciencedirect.com/science/article/abs/pii/S0001457516300562>

Pirdavani, A., Bellemans, T., Brijs, T., Kochan, B. and Wets, G., 2014. Assessing the road safety impacts of a teleworking policy by means of geographically weighted regression method. *Journal of transport geography*, 39, pp.96-110.

<https://www.sciencedirect.com/science/article/pii/S0966692314001355>

Wang, X. and Khattak, A., 2013. Role of travel information in supporting travel decision adaption: exploring spatial patterns. *Transportmetrica A: Transport Science*, 9(4), pp.316-334.

<https://www.tandfonline.com/doi/abs/10.1080/18128602.2011.577041>

Pirdavani, A., Bellemans, T., Brijs, T. and Wets, G., 2014. Application of geographically weighted regression technique in spatial analysis of fatal and injury crashes. *Journal of Transportation Engineering*, 140(8), p.04014032.

[https://ascelibrary.org/doi/abs/10.1061/\(ASCE\)TE.1943-5436.0000680?casa_token=b-8EmqRwojMAAAAA%3AKf9vRJ3LvHv0WL6hIgHhLM_tzQ2fS7EMCDk_VL_TE_IqqBcu6ZIRriX1Iqa8Oqg&](https://ascelibrary.org/doi/abs/10.1061/(ASCE)TE.1943-5436.0000680?casa_token=b-8EmqRwojMAAAAA%3AKf9vRJ3LvHv0WL6hIgHhLM_tzQ2fS7EMCDk_VL_TE_IqqBcu6ZIRriX1Iqa8Oqg&)

Dziauddin, M.F., Powe, N. and Alvanides, S., 2015. Estimating the effects of light rail transit (LRT) system on residential property values using geographically weighted regression (GWR). *Applied Spatial Analysis and Policy*, 8(1), pp.1-25.

<https://link.springer.com/article/10.1007/s12061-014-9117-z>

Xu, P. and Huang, H., 2015. Modeling crash spatial heterogeneity: random parameter versus geographically weighting. *Accident Analysis & Prevention*, 75, pp.16-25.

<https://www.sciencedirect.com/science/article/pii/S0001457514003170>

Hadayeghi, A., Shalaby, A.S. and Persaud, B.N., 2010. Development of planning level transportation safety tools using Geographically Weighted Poisson Regression. *Accident Analysis & Prevention*, 42(2), pp.676-688.

<https://www.sciencedirect.com/science/article/pii/S0001457509002954>

Du, H. and Mulley, C., 2006. Relationship between transport accessibility and land value: Local model approach with geographically weighted regression. *Transportation Research Record: Journal of the Transportation Research Board*, (1977), pp.197-205.

<https://journals.sagepub.com/doi/pdf/10.1177/0361198106197700123>

Paez, A., 2006. Exploring contextual variations in land use and transport analysis using a probit model with geographical weights. *Journal of Transport Geography*, 14(3), pp.167-176.

<https://www.sciencedirect.com/science/article/pii/S0966692305000906>

Zhao, F. and Park, N., 2004. Using geographically weighted regression models to estimate annual average daily traffic. *Transportation Research Record: Journal of the Transportation Research Board*, (1879), pp.99-107.

<https://journals.sagepub.com/doi/pdf/10.3141/1879-12>

Cardozo, O.D., García-Palomares, J.C. and Gutiérrez, J., 2012. Application of geographically weighted regression to the direct forecasting of transit ridership at station-level. *Applied Geography*, 34, pp.548-558.

<https://www.sciencedirect.com/science/article/pii/S0143622812000070>

Lloyd, C. and Shuttleworth, I., 2005. Analysing commuting using local regression techniques: scale, sensitivity, and geographical patterning. *Environment and Planning A*, 37(1), pp.81-103.

https://journals.sagepub.com/doi/abs/10.1068/a36116?casa_token=ob6gPUmyNSwAAAAA%3Abh9wgpj8y4-r3Kc3FhTDryAKi4BPW2efbF15AQL3KxoPsGINpnDzyA1Bu9qNb4HGqATfJXlppWda

Li, Z., Wang, W., Liu, P., Bigham, J.M. and Ragland, D.R., 2013. Using geographically weighted Poisson regression for county-level crash modeling in California. *Safety science*, 58, pp.89-97.

<https://www.sciencedirect.com/science/article/pii/S0925753513000921>

Chow, L.F., Zhao, F., Liu, X., Li, M.T. and Ubaka, I., 2006. Transit ridership model based on geographically weighted regression. *Transportation Research Record: Journal of the Transportation Research Board*, (1972), pp.105-114.

https://journals.sagepub.com/doi/pdf/10.1177/0361198106197200113?casa_token=5TrYP4OgwIQAAAA%3AnaBZuNDfVSBG5zyt3aJeO0IPG0uHJh2f4mv6vHVPo0N_X414T5aVQ_WACgvLLjAVoCpJlv_rG7qc

Selby, B. and Kockelman, K.M., 2013. Spatial prediction of traffic levels in unmeasured locations: applications of universal kriging and geographically weighted regression. *Journal of Transport Geography*, 29, pp.24-32.

<https://www.sciencedirect.com/science/article/pii/S0966692312003079>

Lim, H. and Thill, J.C., 2008. Intermodal freight transportation and regional accessibility in the United States. *Environment and Planning A*, 40(8), pp.2006-2025.

https://journals.sagepub.com/doi/abs/10.1068/a383336?casa_token=x4olOdt_5AYAAAAA%3AhZvTLlXrWEndExkA1bpZ7crcbewMBIb8yGzpTjm294itjvyn1zhP8JQDkbeikP37PFzpUb55RTdk

Ibeas, Á., Cordera, R., dell'Olio, L. and Moura, J.L., 2011. Modelling demand in restricted parking zones. *Transportation Research Part A: Policy and Practice*, 45(6), pp.485-498.

<https://www.sciencedirect.com/science/article/pii/S0965856411000504>

Wang, X., Liu, J., Khattak, A.J. and Clarke, D., 2016. Non-crossing rail-trespassing crashes in the past decade: A spatial approach to analyzing injury severity. *Safety science*, 82, pp.44-55.

<https://www.sciencedirect.com/science/article/pii/S0925753515002295>

Efthymiou, D., Antoniou, C. and Tyrinopoulos, Y., 2012. Spatially aware model for optimal site selection: method and application in a greek mobility center. *Transportation research record*, 2276(1), pp.146-155.

https://journals.sagepub.com/doi/abs/10.3141/2276-18?casa_token=udUaBVWBEFYAAAAA%3AjxgbgTt2MQWkk-MIJkmMkFvpNNQ8XEhouztCqpMwjkkiNjg_vIECb0g201ZJ6boGSvqlAdTVUF1gc

Li, B., Cai, Z., Jiang, L., Su, S. and Huang, X., 2019. Exploring urban taxi ridership and local associated factors using GPS data and geographically weighted regression. *Cities*, 87, pp.68-86.

<https://doi.org/10.1016/j.cities.2018.12.033>

Yang, H., Xu, T., Chen, D., Yang, H. and Pu, L., 2020. Direct modeling of subway ridership at the station level: a study based on mixed geographically weighted regression. *Canadian Journal of Civil Engineering*, 47(5), pp.534-545.

<https://doi.org/10.1139/cjce-2018-0727>

- Xu, X., Luo, X., Ma, C. and Xiao, D., 2020. Spatial-temporal analysis of pedestrian injury severity with geographically and temporally weighted regression model in Hong Kong. *Transportation research part F: traffic psychology and behaviour*, 69, pp.286-300. <https://doi.org/10.1016/j.trf.2020.02.003>
- Torun, A.Ö., Göçer, K., Yeşiltepe, D. and Arğın, G., 2020. Understanding the role of urban form in explaining transportation and recreational walking among children in a logistic GWR model: A spatial analysis in Istanbul, Turkey. *Journal of Transport Geography*, 82, p.102617. <https://doi.org/10.1016/j.jtrangeo.2019.102617>
- Zhao, P. and Cao, Y., 2020. Commuting inequity and its determinants in Shanghai: New findings from big-data analytics. *Transport Policy*. <https://doi.org/10.1016/j.tranpol.2020.03.006>
- He, Y., Zhao, Y. and Tsui, K.L., 2019. Geographically modeling and understanding factors influencing transit ridership: an empirical study of Shenzhen metro. *Applied Sciences*, 9(20), p.4217. <https://doi.org/10.3390/app9204217>
- Yang, H., Zhang, Y., Zhong, L., Zhang, X. and Ling, Z., 2020. Exploring spatial variation of bike sharing trip production and attraction: A study based on Chicago's Divvy system. *Applied geography*, 115, p.102130. <https://doi.org/10.1016/j.apgeog.2019.102130>
- Liu, H., Lee, M. and Khattak, A.J., 2019. Updating annual average daily traffic estimates at highway-rail grade crossings with geographically weighted Poisson regression. *Transportation research record*, 2673(10), pp.105-117. <https://doi.org/10.1177/0361198119844976>
- Li, S., Lyu, D., Huang, G., Zhang, X., Gao, F., Chen, Y. and Liu, X., 2020. Spatially varying impacts of built environment factors on rail transit ridership at station level: A case study in Guangzhou, China. *Journal of Transport Geography*, 82, p.102631. <https://doi.org/10.1016/j.jtrangeo.2019.102631>
- Pan, Y., Chen, S., Niu, S., Ma, Y. and Tang, K., 2020. Investigating the impacts of built environment on traffic states incorporating spatial heterogeneity. *Journal of Transport Geography*, 83, p.102663. <https://doi.org/10.1016/j.jtrangeo.2020.102663>
- Pan, Y., Chen, S., Li, T., Niu, S. and Tang, K., 2019. Exploring spatial variation of the bus stop influence zone with multi-source data: A case study in Zhenjiang, China. *Journal of Transport Geography*, 76, pp.166-177. <https://doi.org/10.1016/j.jtrangeo.2019.03.012>
- Hezaveh, A.M., Nordfjærn, T., Everett, J. and Cherry, C.R., 2019. The correlation between education, engineering, enforcement, and self-reported seat belt use in Tennessee: Incorporating

heterogeneity and time of day effects. *Transportation research part F: traffic psychology and behaviour*, 66, pp.379-392.

<https://doi.org/10.1016/j.trf.2019.09.003>

Xiao, D., Xu, X. and Duan, L., 2019. Spatial-temporal analysis of injury severity with geographically weighted panel logistic regression model. *Journal of advanced transportation*, 2019.

<https://doi.org/10.1155/2019/8521649>

Ma, X., Ji, Y., Yuan, Y., Van Oort, N., Jin, Y. and Hoogendoorn, S., 2020. A comparison in travel patterns and determinants of user demand between docked and dockless bike-sharing systems using multi-sourced data. *Transportation Research Part A: Policy and Practice*, 139, pp.148-173.

<https://doi.org/10.1016/j.tra.2020.06.022>

Yu, L., Cong, Y. and Chen, K., 2020. Determination of the Peak Hour Ridership of Metro Stations in Xi'an, China Using Geographically-Weighted Regression. *Sustainability*, 12(6), p.2255.

<https://doi.org/10.3390/su12062255>

Lessa, D.A., Lobo, C. and Cardoso, L., 2019. Accessibility and urban mobility by bus in Belo Horizonte/Minas Gerais–Brazil. *Journal of Transport Geography*, 77, pp.1-10.

<https://doi.org/10.1016/j.jtrangeo.2019.04.004>

Kim, S. and Byun, J., 2020. Identifying spatiotemporally-varying effects of a newly built subway line on land price: Difference and correlation between commercial and residential uses. *International Journal of Sustainable Transportation*, pp.1-11.

<https://doi.org/10.1080/15568318.2020.1789248>

Zhang, X., Huang, B. and Zhu, S., 2020. Spatiotemporal Varying Effects of Built Environment on Taxi and Ride-Hailing Ridership in New York City. *ISPRS International Journal of Geo-Information*, 9(8), p.475.

<https://doi.org/10.3390/ijgi9080475>

Huang, Y., 2019. The correlation between HSR construction and economic development—Empirical study of Chinese cities. *Transportation Research Part A: Policy and Practice*, 126, pp.24-36.

<https://doi.org/10.1016/j.tra.2019.05.017>

He, Y., Zhao, Y. and Tsui, K.L., 2020. An adapted geographically weighted LASSO (Ada-GWL) model for predicting subway ridership. *Transportation*, pp.1-32.

<https://link.springer.com/article/10.1007%2Fs11116-020-10091-2>

Shen, X., Zhou, Y., Jin, S. and Wang, D., 2020. Spatiotemporal influence of land use and household properties on automobile travel demand. *Transportation Research Part D: Transport and Environment*, 84, p.102359.

<https://doi.org/10.1016/j.trd.2020.102359>

Chacon-Hurtado, D., Kumar, I., Gkritza, K., Fricker, J.D. and Beaulieu, L.J., 2020. The role of transportation accessibility in regional economic resilience. *Journal of Transport Geography*, 84, p.102695.

<https://doi.org/10.1016/j.jtrangeo.2020.102695>

Siripanich, A., Rashidi, T.H. and Moylan, E., 2019. Interaction of Public Transport Accessibility and Residential Property Values Using Smart Card Data. *Sustainability*, 11(9), p.2709.

<https://doi.org/10.3390/su11092709>

Liu, J., Khattak, A.J., Li, X. and Fu, X., 2019. A spatial analysis of the ownership of alternative fuel and hybrid vehicles. *Transportation Research Part D: Transport and Environment*, 77, pp.106-119.

<https://doi.org/10.1016/j.trd.2019.10.018>

Li, T., Jing, P., Li, L., Sun, D. and Yan, W., 2019. Revealing the Varying Impact of Urban Built Environment on Online Car-Hailing Travel in Spatio-Temporal Dimension: An Exploratory Analysis in Chengdu, China. *Sustainability*, 11(5), p.1336.

<https://doi.org/10.3390/su11051336>

Gan, Z., Feng, T., Yang, M., Timmermans, H. and Luo, J., 2019. Analysis of metro station ridership considering spatial heterogeneity. *Chinese Geographical Science*, 29(6), pp.1065-1077.

<https://link.springer.com/article/10.1007/s11769-019-1065-8>

Zhang, M., Yen, B.T., Mulley, C. and Sipe, N., 2020. An investigation of the open-system Bus Rapid Transit (BRT) network and property values: The case of Brisbane, Australia. *Transportation Research Part A: Policy and Practice*, 134, pp.16-34.

<https://doi.org/10.1016/j.tra.2020.01.021>

Chen, E., Ye, Z. and Bi, H., 2019. Incorporating Smart Card Data in Spatio-Temporal Analysis of Metro Travel Distances. *Sustainability*, 11(24), p.7069.

<https://doi.org/10.3390/su11247069>

Liu, X., Sun, L., Sun, Q. and Gao, G., 2020. Spatial Variation of Taxi Demand Using GPS Trajectories and POI Data. *Journal of Advanced Transportation*, 2020.

<https://www.hindawi.com/journals/jat/2020/7621576/>

Huang, J., Liu, X., Zhao, P., Zhang, J. and Kwan, M.P., 2019. Interactions between bus, metro, and taxi use before and after the Chinese Spring Festival. *ISPRS international journal of geo-information*, 8(10), p.445.

<https://doi.org/10.3390/ijgi8100445>

Wang, C.H. and Chen, N., 2020. A multi-objective optimization approach to balancing economic efficiency and equity in accessibility to multi-use paths. *Transportation*, pp.1-20.

<https://link.springer.com/article/10.1007%2Fs11116-020-10117-9>

Wang, Z., Cheng, L., Li, Y. and Li, Z., 2020. Spatiotemporal Characteristics of Bike-Sharing Usage around Rail Transit Stations: Evidence from Beijing, China. *Sustainability*, 12(4), p.1299. <https://doi.org/10.3390/su12041299>

Pan, R., Yang, H., Xie, K. and Wen, Y., 2020. Exploring the Equity of Traditional and Ride-Hailing Taxi Services during Peak Hours. *Transportation Research Record*, 2674(9), pp.266-278. <https://doi.org/10.1177/0361198120928338>

Nadi, P.A. and Murad, A., 2019. Modelling Sustainable Urban Transport Performance in the Jakarta city Region: A GIS Approach. *Sustainability*, 11(7), p.1879. <https://doi.org/10.3390/su11071879>

Bi, H., Ye, Z., Wang, C., Chen, E., Li, Y. and Shao, X., 2020. How built environment impacts online car-hailing ridership. *Transportation research record*, 2674(8), pp.745-760. <https://doi.org/10.1177/0361198120924630>

Ni, Y. and Chen, J., 2020. Exploring the Effects of the Built Environment on Two Transfer Modes for Metros: Dockless Bike Sharing and Taxis. *Sustainability*, 12(5), p.2034. <https://doi.org/10.3390/su12052034>

Chang, H.H. and Cheon, S.H., 2019. The potential use of big vehicle GPS data for estimations of annual average daily traffic for unmeasured road segments. *Transportation*, 46(3), pp.1011-1032. <https://link.springer.com/article/10.1007/s11116-018-9903-6>

Guo, R. and Huang, Z., 2020. Mass Rapid Transit Ridership Forecast Based on Direct Ridership Models: A Case Study in Wuhan, China. *Journal of Advanced Transportation*, 2020. <https://www.hindawi.com/journals/jat/2020/7538508/>

Collins, D.J. and Graham, D.J., 2019. Use of open data to assess cyclist safety in London. *Transportation research record*, 2673(4), pp.27-35. <https://doi.org/10.1177/0361198119837221>

Nasri, A., Zhang, L., Fan, J., Stewart, K., Younes, H., Fu, C. and Jessberger, S., 2019. Advanced vehicle miles traveled estimation methods for non-federal aid system roadways using GPS vehicle trajectory data and statistical power analysis. *Transportation research record*, 2673(11), pp.296-308. <https://doi.org/10.1177/0361198119850790>

Fry, D., Kioumourtzoglou, M.A., Treat, C.A., Burke, K.R., Evans, D., Tabb, L.P., Carrion, D., Perera, F.P. and Lovasi, G.S., 2019. Development and validation of a method to quantify benefits of clean-air taxi legislation. *Journal of Exposure Science & Environmental Epidemiology*, pp.1-12. <https://www.nature.com/articles/s41370-019-0141-6>

Apardian, R.E. and Smirnov, O., 2020. An analysis of pedestrian crashes using a spatial count data model. *Papers in Regional Science*.

<https://doi.org/10.1111/pirs.12523>

Park, K., Ewing, R., Sabouri, S., Choi, D.A., Hamidi, S. and Tian, G., 2020. Guidelines for a Polycentric Region to Reduce Vehicle Use and Increase Walking and Transit Use. *Journal of the American Planning Association*, 86(2), pp.236-249.

<https://doi.org/10.1080/01944363.2019.1692690>

Zhang, X. and Chen, M., 2020. Enhancing Statewide Annual Average Daily Traffic Estimation with Ubiquitous Probe Vehicle Data. *Transportation Research Record*, p.0361198120931100.

<https://doi.org/10.1177/0361198120931100>

Wu, W., Zheng, S., Wang, B. and Du, M., 2020. Impacts of rail transit access on land and housing values in China: a quantitative synthesis. *Transport Reviews*, pp.1-17.

<https://doi.org/10.1080/01441647.2020.1747570>

Chang, H. and Park, D., 2020. Surveying annual average daily traffic volumes using the trip connectivity function of vehicle GPS in an urban road network. *International Journal of Urban Sciences*, pp.1-15.

<https://doi.org/10.1080/12265934.2020.1816206>

Yu, L., Chen, Q. and Chen, K., 2019. Deviation of peak hours for urban rail transit stations: A case study in Xi'an, China. *Sustainability*, 11(10), p.2733.

<https://doi.org/10.3390/su11102733>

Welch, T.F., Gehrke, S.R. and Widita, A., 2020. Shared-use mobility competition: a trip-level analysis of taxi, bikeshare, and transit mode choice in Washington, DC. *Transportmetrica A: transport science*, 16(1), pp.43-55.

<https://doi.org/10.1080/23249935.2018.1523250>

Eliasson, J., Kopsch, F., Mandell, S. and Wilhelmsson, M., 2020. Transport Mode and the Value of Accessibility—A Potential Input for Sustainable Investment Analysis. *Sustainability*, 12(5), p.2143.

<https://doi.org/10.3390/su12052143>

Lima, R.C.D.A. and Silveira Neto, R., 2020. Patterns of urban land use in a developing country: the role of transport infrastructure and natural amenities in Brazil. *Spatial Economic Analysis*, pp.1-18.

<https://doi.org/10.1080/17421772.2020.1749336>

Lin, F., Yang, Y., Wang, S., Xu, Y., Ma, H. and Yu, R., 2019. Urban public bicycle dispatching optimization method. *PeerJ Computer Science*, 5, p.e224.

https://peerj.com/articles/cs-224/?utm_source=TrendMD&utm_campaign=PeerJ_TrendMD_1&utm_medium=TrendMD

Yang, L., Chu, X., Gou, Z., Yang, H., Lu, Y. and Huang, W., 2020. Accessibility and proximity effects of bus rapid transit on housing prices: Heterogeneity across price quantiles and space. *Journal of Transport Geography*, 88, p.102850.
<https://doi.org/10.1016/j.jtrangeo.2020.102850>

Bai, X., Zhai, W., Steiner, R.L. and He, Z., 2020. Exploring extreme commuting and its relationship to land use and socioeconomics in the central Puget Sound. *Transportation Research Part D: Transport and Environment*, 88, p.102574.
<https://doi.org/10.1016/j.trd.2020.102574>

Xu, C., Wang, Y., Ding, W. and Liu, P., 2020. Modeling the Spatial Effects of Land-Use Patterns on Traffic Safety Using Geographically Weighted Poisson Regression. *Networks and Spatial Economics*, 20(4), pp.1015-1028.
<https://link.springer.com/article/10.1007/s11067-020-09509-2>

Wachnicka, J., Palikowska, K., Kustra, W. and Kiec, M., 2021. Spatial differentiation of road safety in Europe based on NUTS-2 regions. *Accident Analysis & Prevention*, 150, p.105849.
<https://doi.org/10.1016/j.aap.2020.105849>

Wei, Z., Zhen, F., Mo, H., Wei, S., Peng, D. and Zhang, Y., 2021. Travel Behaviours of Sharing Bicycles in the Central Urban Area Based on Geographically Weighted Regression: The Case of Guangzhou, China. *Chinese Geographical Science*, 31(1), pp.54-69.
<https://link.springer.com/article/10.1007/s11769-020-1159-3>

Lin, Y., Zhou, Y., Lin, M., Wu, S. and Li, B., 2021. Exploring the disparities in park accessibility through mobile phone data: Evidence from Fuzhou of China. *Journal of environmental management*, 281, p.111849.
<https://doi.org/10.1016/j.jenvman.2020.111849>

Wang, S. and Noland, R.B., 2021. Variation in ride-hailing trips in Chengdu, China. *Transportation Research Part D: Transport and Environment*, 90, p.102596.
<https://doi.org/10.1016/j.trd.2020.102596>

Xiao, W. and Wei, Y.D., 2021. Multiscale Analysis of Urban Walkability and Pedestrian's Destination Choice. *Journal of Urban Planning and Development*, 147(1), p.05020034.
https://ascelibrary.org/doi/full/10.1061/%28ASCE%29UP.1943-5444.0000638?casa_token=5H7B_rW_gJwAAAAA%3AwI_GdUWctlcVfVOPXNXgGdmjgl5NOn2KgI4tbSzPWQ0Yw-jhv66HlbuPZCjS1xqqqTCu1Nw

Cheng, L., Shi, K., De Vos, J., Cao, M. and Witlox, F., 2021. Examining the spatially heterogeneous effects of the built environment on walking among older adults. *Transport policy*, 100, pp.21-30.
<https://doi.org/10.1016/j.tranpol.2020.10.004>

Yang, Y., Chung, H. and Kim, J.S., 2021. Local or Neighborhood? Examining the Relationship between Traffic Accidents and Land Use Using a Gradient Boosting Machine Learning Method: The Case of Suzhou Industrial Park, China. *Journal of Advanced Transportation*, 2021. <https://www.hindawi.com/journals/jat/2021/8246575/>

Wu, C., Kim, I. and Chung, H., 2021. The effects of built environment spatial variation on bike-sharing usage: A case study of Suzhou, China. *Cities*, 110, p.103063. <https://doi.org/10.1016/j.cities.2020.103063>

Gao, F., Li, S., Tan, Z., Zhang, X., Lai, Z. and Tan, Z., 2021. How Is Urban Greenness Spatially Associated with Dockless Bike Sharing Usage on Weekdays, Weekends, and Holidays?. *ISPRS International Journal of Geo-Information*, 10(4), p.238. <https://doi.org/10.3390/ijgi10040238>

Andersson, D.E., Shyr, O.F. and Yang, J., 2021. Neighbourhood effects on station-level transit use: Evidence from the Taipei metro. *Journal of Transport Geography*, 94, p.103127. <https://doi.org/10.1016/j.jtrangeo.2021.103127>

Chen, C., Hu, S., Ochieng, W.Y., Xie, N. and Chen, X.M., 2021. Understanding City-Wide Ride-Sourcing Travel Flow: A Geographically Weighted Regression Approach. *Journal of Advanced Transportation*, 2021. <https://doi.org/10.1155/2021/9929622>

Cheng, L., Shi, K., De Vos, J., Cao, M. and Witlox, F., 2021. Examining the spatially heterogeneous effects of the built environment on walking among older adults. *Transport policy*, 100, pp.21-30. <https://doi.org/10.1016/j.tranpol.2020.10.004>

Hosseinzadeh, A., Algomaiah, M., Kluger, R. and Li, Z., 2021. Spatial analysis of shared e-scooter trips. *Journal of transport geography*, 92, p.103016. <https://doi.org/10.1016/j.jtrangeo.2021.103016>

Huang, Y., 2021. Spatial and temporal heterogeneity of the impact of high-speed railway on urban economy: Empirical study of Chinese cities. *Journal of Transport Geography*, 91, p.102972. <https://doi.org/10.1016/j.jtrangeo.2021.102972>

Rocha, S.S., Pitombo, C.S., Costa, L.H.M. and de França Marques, S., 2021. Applying optimization algorithms for spatial estimation of travel demand variables. *Transportation Research Interdisciplinary Perspectives*, 10, p.100369. <https://doi.org/10.1016/j.trip.2021.100369>

Tang, J., Gao, F., Han, C., Cen, X. and Li, Z., 2021. Uncovering the spatially heterogeneous effects of shared mobility on public transit and taxi. *Journal of Transport Geography*, 95, p.103134. <https://doi.org/10.1016/j.jtrangeo.2021.103134>

Wang, C., Li, S. and Shan, J., 2021. Non-Stationary Modeling of Microlevel Road-Curve Crash Frequency with Geographically Weighted Regression. *ISPRS International Journal of Geo-Information*, 10(5), p.286.
<https://doi.org/10.3390/ijgi10050286>

Wang, J., Wu, Q., Mao, F., Ren, Y., Chen, Z. and Gao, Y., 2021. Influencing Factor Analysis and Demand Forecasting of Intercity Online Car-Hailing Travel. *Sustainability*, 13(13), p.7419.
<https://doi.org/10.3390/su13137419>

Yang, X., Jia, Z. and Yang, Z., 2021. How does technological progress impact transportation green total factor productivity: A spatial econometric perspective. *Energy Reports*, 7, pp.3935-3950.
<https://doi.org/10.1016/j.egy.2021.06.078>

Urban Studies:

Zhang, L., Leng, L., Zeng, Y., Lin, X. and Chen, S., 2021. Spatial distribution of rural population using mixed geographically weighted regression: Evidence from Jiangxi Province in China. *Plos one*, 16(4), p.e0250399.
<https://doi.org/10.1371/journal.pone.0250399>

Salinas-Pérez, J.A., Rodero-Cosano, M.L., García-Alonso, C.R. and Salvador-Carulla, L., 2015. Applying an evolutionary algorithm for the analysis of mental disorders in macro-urban areas: The case of Barcelona. *Spatial Economic Analysis*, 10(3), pp.270-288.
<https://rsa.tandfonline.com/doi/abs/10.1080/17421772.2015.1062125#.XDarSFxKi00>

Coster, A., Exploring Influential Variables on Children's Social Skills Using Geographically Weighted Regression in Vancouver, BC.
<http://blogs.ubc.ca/giscoster/files/2018/04/Geob-479-Lab-32.pdf>

Yu, D., 2010. Exploring spatiotemporally varying regressed relationships: the geographically weighted panel regression analysis. *The international archives of the photogrammetry, remote sensing and spatial information sciences*, 38(2), pp.134-139.
https://www.isprs.org/proceedings/XXXVIII/part2/Papers/63_Paper.pdf

Mashhoodi, B., Stead, D. and van Timmeren, A., Local and national determinants of household energy consumption in the Netherlands. *GeoJournal*, pp.1-14.
<https://link.springer.com/article/10.1007/s10708-018-09967-9>

Zeng, C., Yang, L. and Dong, J., 2017. Management of urban land expansion in China through intensity assessment: A big data perspective. *Journal of Cleaner Production*, 153, pp.637-647.
<https://www.sciencedirect.com/science/article/pii/S0959652616319357>

Ma, Y. and Gopal, S., 2018. Geographically Weighted Regression Models in Estimating Median Home Prices in Towns of Massachusetts Based on an Urban Sustainability Framework. *Sustainability*, 10(4), p.1026.

<https://www.mdpi.com/2071-1050/10/4/1026>

Luo, J. and Wei, Y.D., 2009. Modeling spatial variations of urban growth patterns in Chinese cities: The case of Nanjing. *Landscape and Urban Planning*, 91(2), pp.51-64.

<https://www.sciencedirect.com/science/article/pii/S0169204608002235>

Wentz, E.A. and Gober, P., 2007. Determinants of small-area water consumption for the city of Phoenix, Arizona. *Water Resources Management*, 21(11), pp.1849-1863.

<https://link.springer.com/article/10.1007/s11269-006-9133-0>

Ivajnsič, D. and Žiberna, I., The effect of weather patterns on winter small city urban heat islands. *Meteorological Applications*.

<https://rmets.onlinelibrary.wiley.com/doi/abs/10.1002/met.1752>

Srinivasan, S. and Yu, D., Urban land value, Accessibility and Night Light Data: A Case Study in China.

https://www.researchgate.net/profile/Sumeeta_Srinivasan/publication/281782016_Urban_land_value_Accessibility_and_Night_Light_Data_A_Case_Study_in_China/links/55f82fad08aec948c479327c/Urban-land-value-Accessibility-and-Night-Light-Data-A-Case-Study-in-China.pdf

Kontokosta, C.E. and Jain, R.K., 2015. Modeling the determinants of large-scale building water use: Implications for data-driven urban sustainability policy. *Sustainable Cities and Society*, 18, pp.44-55.

<https://www.sciencedirect.com/science/article/pii/S2210670715000633>

Szymanowski, M. and Kryza, M., 2011. Application of geographically weighted regression for modelling the spatial structure of urban heat island in the city of Wroclaw (SW Poland). *Procedia Environmental Sciences*, 3, pp.87-92.

<https://www.sciencedirect.com/science/article/pii/S187802961100017X>

Lykostratis, K., Giannopoulou, M. and Roukouni, A., 2018, May. Measuring Urban Configuration: A GWR Approach. In *International Symposium on New Metropolitan Perspectives*(pp. 479-488). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-92099-3_54

Mondal, B. and Das, D.N., 2018. How residential compactness and attractiveness can be shaped by environmental amenities in an industrial city?. *Sustainable Cities and Society*, 41, pp.363-377.

<https://www.sciencedirect.com/science/article/pii/S2210670717317067>

Mondal, B., Das, D.N. and Dolui, G., 2015. Modeling spatial variation of explanatory factors of urban expansion of Kolkata: a geographically weighted regression approach. *Modeling Earth Systems and Environment*, 1(4), p.29.

<https://link.springer.com/article/10.1007/s40808-015-0026-1>

Megler, V., Banis, D. and Chang, H., 2014. Spatial analysis of graffiti in San Francisco. *Applied Geography*, 54, pp.63-73.

<https://www.sciencedirect.com/science/article/abs/pii/S0143622814001490>

Guanglong, D., Erqi, X. and Hongqi, Z., 2017. Urban Expansion and Spatiotemporal Relationships with Driving Factors Revealed by Geographically Weighted Logistic Regression. *Journal of Resources and Ecology*, 8(3), pp.277-286.

<https://bioone.org/journals/journal-of-resources-and-ecology/volume-8/issue-3/j.issn.1674-764x.2017.03.008/Urban-Expansion-and-Spatiotemporal-Relationships-with-Driving-Factors-Revealed-by/10.5814/j.issn.1674-764x.2017.03.008.short>

Radzimski, A., 2018. Spatial distribution of urban policy funds in Germany and its determinants. *Urban Development Issues*, 57(1), pp.15-26.

<https://content.sciendo.com/view/journals/udi/57/1/article-p15.xml>

Tanaka, K., Yoshida, K. and Kawase, Y., 2008. Applying geographically weighted regression to conjoint analysis: Empirical findings from urban park amenities. *American Agricultural Economics Association (New Name 2008: Agricultural and Applied Economics Association)*.

<https://ageconsearch.umn.edu/bitstream/6233/2/470056.pdf>

Kumagai, K., Uematsu, H. and Matsuda, Y., 2017, July. Advanced Spatial Analysis for Vegetation Distributions Aimed at Introducing Smarter City Shrinkage. In *International Conference on Computers in Urban Planning and Urban Management* (pp. 469-489). Springer, Cham.

https://link.springer.com/chapter/10.1007/978-3-319-57819-4_26

Shapiro, J.L., 2016. *Modeling the Impacts of Airports on Urban Density: Evaluation of Washington Dulles International Airport* (Doctoral dissertation).

<http://jbox.gmu.edu/xmlui/handle/1920/10605>

Li, C., Zhao, J. and Xu, Y., 2017. Examining spatiotemporally varying effects of urban expansion and the underlying driving factors. *Sustainable cities and society*, 28, pp.307-320.

<https://www.sciencedirect.com/science/article/pii/S221067071630169X>

Figuroa, L.L.L., Lim, S. and Lee, J., 2018. Modelling the effect of deprived physical urban environments on academic performance in the Philippines. *GeoJournal*, 83(1), pp.13-30.

<https://link.springer.com/article/10.1007/s10708-016-9751-x>

Zhao, W., Zhu, X., Sun, X., Shu, Y. and Li, Y., 2015. Water quality changes in response to urban expansion: spatially varying relations and determinants. *Environmental Science and Pollution Research*, 22(21), pp.16997-17011.

<https://link.springer.com/article/10.1007/s11356-015-4795-x>

Wu, C., Ye, X., Ren, F. and Du, Q., 2018. Check-in behaviour and spatio-temporal vibrancy: An exploratory analysis in shenzhen, china. *Cities*, 77, pp.104-116.

<https://www.sciencedirect.com/science/article/pii/S0264275117303438>

Shi, Y., Ho, H.C., Xu, Y. and Ng, E., 2018. Improving satellite aerosol optical Depth-PM2.5 correlations using land use regression with microscale geographic predictors in a high-density urban context. *Atmospheric Environment*, 190, pp.23-34.

<https://www.sciencedirect.com/science/article/pii/S1352231018304680>

Chen, N., Yang, M., Du, W. and Huang, M., 2021. PM2.5 Estimation and Spatial-Temporal Pattern Analysis Based on the Modified Support Vector Regression Model and the 1 km Resolution MAIAC AOD in Hubei, China. *ISPRS International Journal of Geo-Information*, 10(1), p.31.

<https://doi.org/10.3390/ijgi10010031>

Mokhtari, A., Tashayo, B. and Deilami, K., 2021. Implications of Nonstationary Effect on Geographically Weighted Total Least Squares Regression for PM2.5 Estimation. *International Journal of Environmental Research and Public Health*, 18(13), p.7115.

<https://doi.org/10.3390/ijerph18137115>

Eboli, L. and Mazzulla, G., 2013. Exploring the Relationship among Urban System Characteristics and Trips Generation through a GWR. *Int. J. Innov. Inf. Technol.*, 1(2), pp.51-61.

https://www.researchgate.net/publication/260133298_Exploring_the_Relationship_among_Urban_System_Characteristics_and_Trips_Generation_through_a_GWR

Xu, C., Haase, D., Pribadi, D.O. and Pauleit, S., 2018. Spatial variation of green space equity and its relation with urban dynamics: A case study in the region of Munich. *Ecological Indicators*, 93, pp.512-523.

<https://www.sciencedirect.com/science/article/pii/S1470160X18303650>

Li, H. and Liu, Y., 2016. Neighborhood socioeconomic disadvantage and urban public green spaces availability: A localized modeling approach to inform land use policy. *Land Use Policy*, 57, pp.470-478.

<https://www.sciencedirect.com/science/article/abs/pii/S0264837716301557>

Migliaccio, G.C., Guindani, M., D'Incognito, M. and Zhang, L., 2012. Empirical assessment of spatial prediction methods for location cost-adjustment factors. *Journal of construction engineering and management*, 139(7), pp.858-869.

[https://ascelibrary.org/doi/abs/10.1061/\(ASCE\)CO.1943-7862.0000654](https://ascelibrary.org/doi/abs/10.1061/(ASCE)CO.1943-7862.0000654)

Hanham, R., Hoch, R.J. and Spiker, J.S., 2009. The Spatially Varying Relationship Between Local Land-Use Policies and Urban Growth: A Geographically Weighted Regression Analysis. In *Planning and Socioeconomic Applications* (pp. 43-56). Springer, Dordrecht.

https://link.springer.com/chapter/10.1007/978-1-4020-9642-6_4

Kyratso, M. and Yiorgos, P., 2004, September. Defining a geographically weighted regression model of urban evolution. Application to the city of Volos, Greece. In *44th European Congress of the European Regional Science Association, University of Porto, Porto, Portugal (August 25–29, 2004)*. <http://www-sre.wu-wien.ac.at/ersa/ersaconfs/ersa04/PDF/507.pdf>. Accessed (Vol. 7).

https://www.researchgate.net/profile/Yorgos_Photis/publication/23731312_Defining_a_geographically_weighted_regression_model_of_urban_evolution_Application_to_the_city_of_Volos_Greece/links/0046351fb6a9b5dece000000.pdf

Li, S., Zhao, Z., Miaomiao, X. and Wang, Y., 2010. Investigating spatial non-stationary and scale-dependent relationships between urban surface temperature and environmental factors using geographically weighted regression. *Environmental Modelling & Software*, 25(12), pp.1789-1800.

<https://www.sciencedirect.com/science/article/pii/S1364815210002008>

Luo, J., Yu, D. and Xin, M., 2008. Modeling urban growth using GIS and remote sensing. *GIScience & Remote Sensing*, 45(4), pp.426-442.

https://www.tandfonline.com/doi/abs/10.2747/1548-1603.45.4.426?casa_token=VJP3IIGjIfwAAAAA:4K2GH1eBibS_tJ4unewmUMr9FD9jf7ePxfp-TjXQ-d3YaoztquKDKh3qvpGB_5TnkA7xERKj6ySS

Hanham, R. and Spiker, J.S., 2005. Urban sprawl detection using satellite imagery and geographically weighted regression. In *Geo-spatial technologies in urban environments*(pp. 137-151). Springer, Berlin, Heidelberg.

https://link.springer.com/content/pdf/10.1007/3-540-26676-3_12.pdf

Platt, R.V., 2004. Global and local analysis of fragmentation in a mountain region of Colorado. *Agriculture, ecosystems & environment*, 101(2-3), pp.207-218.

<https://www.sciencedirect.com/science/article/pii/S0167880903003244>

Pravitasari, A.E., Rustiadi, E., Mulya, S.P., Setiawan, Y., Fuadina, L.N. and Murtadho, A., 2018, May. Identifying the driving forces of urban expansion and its environmental impact in Jakarta-Bandung mega urban region. In *IOP Conference Series: Earth and Environmental Science* (Vol. 149, No. 1, p. 012044). IOP Publishing.

<http://iopscience.iop.org/article/10.1088/1755-1315/149/1/012044/meta>

Fitria, F., Sutjiningsih, D. and Siswantining, T., 2018. The modelling of ground water quality in urban area based on demographics factor and building coverage ratio by using geographically weighted regression approach (case study in Jakarta, Indonesia). In *MATEC Web of Conferences* (Vol. 192, p. 02034). EDP Sciences.

https://www.matec-conferences.org/articles/mateconf/abs/2018/51/mateconf_iceast2018_02034/mateconf_iceast2018_02034.html

Mirbagheri, B. and Alimohammadi, A., 2018. Evaluating the Capability of Geographically Weighted Regression in Improvement of Urban Growth Simulation Performance Using Cellular Automata. *Engineering Journal of Geospatial Information Technology*, 6(2), pp.43-64.
http://jgit.kntu.ac.ir/browse.php?a_id=588&sid=1&slc_lang=en

Jiang, Y., Li, Z. and Ye, X., 2018. Understanding demographic and socioeconomic biases of geotagged Twitter users at the county level. *Cartography and Geographic Information Science*, pp.1-15.
https://www.tandfonline.com/doi/abs/10.1080/15230406.2018.1434834?casa_token=SfjVzGBV or4AAAAA:VAUfHAbiE8cqPrUOz6-DsSjIaKg45VfGolBCIj_0O4nAZ0P8fEVQ5CoxQf46YMRHsTB_EgEmXhJ

Liu, Y., Zhou, G., Liu, D., Yu, H., Zhu, L. and Zhang, J., 2018. The Interaction of Population, Industry and Land in Process of Urbanization in China: A Case Study in Jilin Province. *Chinese Geographical Science*, 28(3), pp.529-542.
<https://link.springer.com/article/10.1007/s11769-018-0964-4>

Salvati, L., 2018. Examining urban functions along a metropolitan gradient: a geographically weighted regression tells you more. *Letters in Spatial and Resource Sciences*, pp.1-22.
<https://link.springer.com/article/10.1007/s12076-018-00221-x>

He, J., Huang, X. and Xi, G., 2018. Measuring Urban Metrics of Creativity Using a Grid-Based Geographically Weighted Regression Model. *Journal of Urban Planning and Development*, 144(2), p.05018008.
<https://ascelibrary.org/doi/abs/10.1061/%28ASCE%29UP.1943-5444.0000450>

Molenaar, D., 2018. Determinants of Household Water Use in the City of Kalamazoo, Michigan: The Role of Climate and Socioeconomic Factors.
https://scholarworks.wmich.edu/masters_theses/3409/

Yücer, E. and Erener, A., 2018. Examining Urbanization Dynamics in Turkey Using DMSP–OLS and Socio-Economic Data. *Journal of the Indian Society of Remote Sensing*, 46(7), pp.1159-1169.
<https://link.springer.com/article/10.1007/s12524-018-0785-z>

Yu, H., Zhao, Y., Fu, Y. and Li, L., 2018. Spatiotemporal Variance Assessment of Urban Rainstorm Waterlogging Affected by Impervious Surface Expansion: A Case Study of Guangzhou, China. *Sustainability*, 10(10), p.3761.
<https://www.mdpi.com/2071-1050/10/10/3761>

Kidanu, S.T., Anderson, N.L. and Rogers, J.D., 2018. Using Gis-based Spatial Analysis To Determine Factors Influencing the Formation of Sinkholes in Greene County, Missouri. *Environmental & Engineering Geoscience*, 24(3), pp.251-261.
<https://pubs.geoscienceworld.org/aeg/eeg/article-abstract/24/3/251/543542>

- Zhang, T., Chen, S.S. and Li, G., 2018. Exploring the relationships between urban form metrics and the vegetation biomass loss under urban expansion in China. *Environment and Planning B: Urban Analytics and City Science*, p.2399808318816993.
https://journals.sagepub.com/doi/abs/10.1177/2399808318816993?casa_token=b5gDQs2VaMAAAA:y66MtYUQ9sxJ1aa541QcV5nCRqwuGzvYCGejrXAX2bwORyJAsmp7k9WtyLSaOya_yBWDh-CI9hfP
- Krehl, A., 2018. Urban subcentres in German city regions: Identification, understanding, comparison. *Papers in Regional Science*, 97, pp.S79-S104.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/pirs.12235>
- Jang, S. and Kim, J., 2018. Remediating food policy invisibility with spatial intersectionality: A case study in the Detroit metropolitan area. *Journal of Public Policy & Marketing*, 37(1), pp.167-187.
<http://journals.ama.org/doi/abs/10.1509/jppm.16.194>
- Azhdari, A., Sasani, M.A. and Soltani, A., 2018. Exploring the relationship between spatial driving forces of urban expansion and socioeconomic segregation: The case of Shiraz. *Habitat International*, 81, pp.33-44.
<https://www.sciencedirect.com/science/article/pii/S019739751830078X>
- Mishra, S.V., 2018. Urban deprivation in a global south city-a neighborhood scale study of Kolkata, India. *Habitat International*, 80, pp.1-10.
<https://www.sciencedirect.com/science/article/pii/S0197397518303825>
- Kim, J. and Nicholls, S., 2018. Access for all? Beach access and equity in the Detroit metropolitan area. *Journal of Environmental Planning and Management*, 61(7), pp.1137-1161.
https://www.tandfonline.com/doi/abs/10.1080/09640568.2017.1335187?casa_token=XcMR5CRhVPQAAAAA:hyPk5Vg3ZMG1bbQUq_Ozn1B3BPahluP9csS72lonYUtOd_ZIUfN2bHKAXt6fGLbGaoqMSCWXB0bu
- Pandey, B., Joshi, P.K., Singh, T.P. and Joshi, A., 2019. Modelling Spatial Patterns of Urban Growth in Pune Metropolitan Region, India. In *Applications and Challenges of Geospatial Technology* (pp. 181-203). Springer, Cham.
https://link.springer.com/chapter/10.1007/978-3-319-99882-4_11
- Rosenlieb, E.G., McAndrews, C., Marshall, W.E. and Troy, A., 2018. Urban development patterns and exposure to hazardous and protective traffic environments. *Journal of Transport Geography*, 66, pp.125-134.
<https://www.sciencedirect.com/science/article/abs/pii/S0966692316306925>
- Sémécurbe, F., Tannier, C. and Roux, S.G., 2018. Applying two fractal methods to characterise the local and global deviations from scale invariance of built patterns throughout mainland France. *Journal of Geographical Systems*, pp.1-23.
<https://link.springer.com/article/10.1007/s10109-018-0286-1>

Sémécurbe, F., Tannier, C. and Roux, S.G., 2018. Exploring the deviations from scale-invariance of spatial distributions of buildings using a Geographically Weighted Fractal Analysis. An application to twenty French middle-size metropolitan areas.

<https://hal.archives-ouvertes.fr/hal-01708747/>

Pan, J. and Hu, Y., 2016. Measurement for coordinated development of "four modernizations" and its efficiency of prefecture level cities or above in China. *寒旱区科学 (英文版)*, (2016 年 02), pp.163-176.

<https://www.airitilibrary.com/Publication/alDetailedMesh?docid=hhqkx-e201602008>

Zhang, P., Lin, H., Chitty, N. and Cao, K., 2016. Beijing temples and their social matrix—A GIS reconstruction of the 1912–1937 social scape. *Annals of GIS*, 22(2), pp.129-140.

<https://www.tandfonline.com/doi/abs/10.1080/19475683.2016.1158735>

Faisal, K. and Shaker, A., 2017. Improving the Accuracy of Urban Environmental Quality Assessment Using Geographically-Weighted Regression Techniques. *Sensors*, 17(3), p.528.

<https://www.mdpi.com/1424-8220/17/3/528>

Chang, H.S. and Chen, T.L., 2016. Examine Sustainable Urban Space based on Compact City Concept. *Global Journal of Human-Social Science Research*.

<https://socialscienceresearch.org/index.php/GJHSS/article/view/1746>

Gao, Y., Zhang, C., He, Q. and Liu, Y., 2017. Urban Ecological Security Simulation and Prediction Using an Improved Cellular Automata (CA) Approach—A Case Study for the City of Wuhan in China. *International journal of environmental research and public health*, 14(6), p.643.

<https://www.mdpi.com/1660-4601/14/6/643/htm>

Huang, Y., Yuan, M. and Lu, Y., 2017. Spatially varying relationships between surface urban heat islands and driving factors across cities in China. *Environment and Planning B: Urban Analytics and City Science*, p.2399808317716935.

https://journals.sagepub.com/doi/abs/10.1177/2399808317716935?casa_token=2jfkVDpXpOIAAAAA%3AqVsEm_FA82JCmWJx8Xmr1c1JMFDY81TrKkhyt6LW4_NTIHiNK-5aTgh35DDUBFuehHtL5IGtKo3Y

Declat-Barreto, J., Knowlton, K., Jenerette, G.D. and Buyantuev, A., 2016. Effects of urban vegetation on mitigating exposure of vulnerable populations to excessive heat in Cleveland, Ohio. *Weather, Climate, and Society*, 8(4), pp.507-524.

<https://journals.ametsoc.org/doi/abs/10.1175/WCAS-D-15-0026.1>

Chun, H., Chi, S. and Hwang, B.G., 2017. A spatial disaster assessment model of social resilience based on geographically weighted regression. *Sustainability*, 9(12), p.2222.

<https://www.mdpi.com/2071-1050/9/12/2222>

- Pu, Z., Li, Z., Ash, J., Zhu, W. and Wang, Y., 2017. Evaluation of spatial heterogeneity in the sensitivity of on-street parking occupancy to price change. *Transportation Research Part C: Emerging Technologies*, 77, pp.67-79.
<https://www.sciencedirect.com/science/article/pii/S0968090X17300153>
- Mirbagheri, B. and Alimohammadi, A., 2017. Improving urban cellular automata performance by integrating global and geographically weighted logistic regression models. *Transactions in GIS*, 21(6), pp.1280-1297.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/tgis.12278>
- Zhang, L., Wei, Y.D. and Meng, R., 2017. Spatiotemporal dynamics and spatial determinants of urban growth in Suzhou, China. *Sustainability*, 9(3), p.393.
<https://www.mdpi.com/2071-1050/9/3/393/htm>
- Hijazi, I.H., Koenig, R., Schneider, S., Li, X., Bielik, M., Schmit, G.N.J. and Donath, D., 2016. Geostatistical analysis for the study of relationships between the emotional responses of urban walkers to urban spaces. *International Journal of E-Planning Research (IJEPR)*, 5(1), pp.1-19.
<https://www.igi-global.com/article/geostatistical-analysis-for-the-study-of-relationships-between-the-emotional-responses-of-urban-walkers-to-urban-spaces/144770>
- Feuillet, T., Salze, P., Charreire, H., Menai, M., Enaux, C., Perchoux, C., Hess, F., Kesse-Guyot, E., Hercberg, S., Simon, C. and Weber, C., 2016. Built environment in local relation with walking: Why here and not there?. *Journal of Transport & Health*, 3(4), pp.500-512.
<https://www.sciencedirect.com/science/article/pii/S2214140515007045>
- Li, H., Peng, J., Yanxu, L. and Yi'na, H., 2017. Urbanization impact on landscape patterns in Beijing City, China: a spatial heterogeneity perspective. *Ecological Indicators*, 82, pp.50-60.
<https://www.sciencedirect.com/science/article/pii/S1470160X17303758>
- Christensen, P. and McCord, G.C., 2016. Geographic determinants of China's urbanization. *Regional Science and Urban Economics*, 59, pp.90-102.
<https://www.sciencedirect.com/science/article/pii/S0166046216300266>
- Locke, D.H., Landry, S.M., Grove, J.M. and Roy Chowdhury, R., 2016. What's scale got to do with it? Models for urban tree canopy. *Journal of Urban Ecology*, 2(1).
<https://academic.oup.com/jue/article/2/1/juw006/2875730>
- Chang, H.S. and Chen, T.L., 2015. Decision Making on Allocating Urban Green Spaces Based upon Spatially-Varying Relationships between Urban Green Spaces and Urban Compaction Degree.
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.899.4690&rep=rep1&type=pdf>
- Long, Y. and Shen, Z., 2015. Spatially heterogeneous impact of urban form on human mobility: Evidence from analysis of TAZ and individual scales in Beijing. In *Geospatial Analysis to Support Urban Planning in Beijing* (pp. 133-153). Springer, Cham.
https://link.springer.com/chapter/10.1007/978-3-319-19342-7_7

Chang, H.S. and Chen, T.L., 2015. Decision making on allocating urban green spaces based upon spatially-varying relationships between urban green spaces and urban compaction degree. *Sustainability*, 7(10), pp.13399-13415.

<https://www.mdpi.com/2071-1050/7/10/13399/htm>

Lewandowska-Gwarda, K., 2014. Spatial analysis of foreign migration in Poland in 2012 using geographically weighted regression. *Comparative Economic Research*, 17(4), pp.137-154.

<https://content.sciendo.com/view/journals/cer/17/4/article-p137.xml>

Villarraga, H.G., Sabater, A. and Módenes, J.A., 2014. Modelling the spatial nature of household residential mobility within municipalities in Colombia. *Applied spatial analysis and policy*, 7(3), pp.203-223.

<https://link.springer.com/article/10.1007/s12061-014-9101-7>

Hong, I., 2015. Spatial analysis of location-based social networks in seoul, korea. *Journal of Geographic Information System*, 7(03), p.259.

https://www.researchgate.net/profile/Ilyoung_Hong2/publication/277881605_Spatial_Analysis_of_Location-Based_Social_Networks_in_Seoul_Korea/links/567bb16808aebccc4dfdd5b7.pdf

Cai, D. and Chen, Y.M., 2013. Study on Spatial Characteristic in Micro Level of Rural-Urban Construction Land Expansion Based on the GWR Model-A Case Study in Tonglu County of Zhejiang Province. In *Applied Mechanics and Materials* (Vol. 423, pp. 1398-1404). Trans Tech Publications.

<https://www.scientific.net/AMM.423-426.1398>

Abiden, M.Z.Z., Arshad, S.H.M., Jaafar, J., Latif, Z.A. and Abidin, S.Z., 2013, March. Comparative study on stochastic and deterministic approaches in urban growth model. In *Signal Processing and its Applications (CSPA), 2013 IEEE 9th International Colloquium on* (pp. 319-323). IEEE.

<https://ieeexplore.ieee.org/abstract/document/6530064>

Jun, B.W., 2011. Exploring the Spatial Relationships between Environmental Equity and Urban Quality of Life. *Journal of The Korean Association of Geographic Information Studies*, 14(3), pp.223-235.

<http://www.koreascience.or.kr/article/JAKO201121761944323.page>

Wu, W., 2012. Spatial variations in amenity values: new evidence from Beijing, China.

<http://eprints.lse.ac.uk/58536/>

Fuller, T. and Gatrell, J.D., 2009. Situating Urban Environmental Risk: Using GIScience to Understand Risk in a Midwestern City. In *Planning and Socioeconomic Applications*(pp. 109-124). Springer, Dordrecht.

https://link.springer.com/chapter/10.1007/978-1-4020-9642-6_8

- Shaker, R.R., 2010. INVESTIGATING LAND COVER AND URBAN PATTERN IMPACTS ON WATERSHED INTEGRITY: A GWR AND ANN APPROACH. *Applied Geography Conferences*, 33, pp.24-36.
https://www.researchgate.net/profile/Richard_Shaker/publication/278784180_Investigating_Land_Cover_and_Urban_Pattern_Impacts_on_Watershed_Integrity_A_GWR_and_ANN_Approach/links/558596b808aeb0cdaddf6488.pdf
- Haasch, J.M., 2010. *Statistical Models used to Identify new Urban Development in Cuyahoga County, Ohio: A Methodological Comparison* (Doctoral dissertation, University of Akron).
https://etd.ohiolink.edu/pg_10?0::NO:10:P10_ACCESSION_NUM:akron1290663731
- Crespo, R. and Grêt-Regamey, A., 2012. Spatially explicit inverse modeling for urban planning. *Applied geography*, 34, pp.47-56.
<https://www.sciencedirect.com/science/article/pii/S014362281100186X>
- Levers, C., Brückner, M. and Lakes, T., 2010, May. Social segregation in urban areas—an exploratory data analysis using geographically weighted regression analysis. In *13th AGILE International Conference on Geographic Information Science* (Vol. 2010).
http://agile.dsi.uminho.pt/pen/PosterAbstracts_PDF%5C136_DOC.pdf
- Partridge, M.D., Rickman, D.S., Ali, K. and Olfert, M.R., 2007. The landscape of urban influence on US county job growth. *Review of agricultural economics*, 29(3), pp.381-389.
<https://academic.oup.com/aep/article-abstract/29/3/381/7614>
- Ghosh, D. and Manson, S.M., 2008. Robust principal component analysis and geographically weighted regression: Urbanization in the Twin cities Metropolitan area of Minnesota. *Journal of the Urban and Regional Information Systems Association/URISA*, 20(1), p.15.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3693392/>
- Shariff, N.M., Gairola, S. and Talib, A., 2010. Modelling urban land use change using geographically weighted regression and the implications for sustainable environmental planning.
<https://scholarsarchive.byu.edu/iemssconference/2010/all/285/>
- Cai, J., Huang, B. and Song, Y., 2017. Using multi-source geospatial big data to identify the structure of polycentric cities. *Remote Sensing of Environment*, 202, pp.210-221.
<https://www.sciencedirect.com/science/article/abs/pii/S0034425717302985>
- Pravitasari, A.E., Saizen, I., Tsutsumida, N., Rustiadi, E. and Pribadi, D.O., 2015. Local spatially dependent driving forces of urban expansion in an emerging asian megacity: the case of greater Jakarta (Jabodetabek).
<https://repository.kulib.kyoto-u.ac.jp/dspace/handle/2433/210474>
- Noresah, M.S. and Ruslan, R., 2009, July. Modelling urban spatial structure using Geographically Weighted Regression. In *18th World IMACS congress and MODSIM09 international congress on modelling and simulation, The Australian National University Canberra, ACT*.

<https://pdfs.semanticscholar.org/f131/e24da4184a48313bd591ca7f2e276a7a2997.pdf>

Smith, J.W. and Floyd, M.F., 2013. The urban growth machine, central place theory and access to open space. *City, Culture and Society*, 4(2), pp.87-98.

<https://www.sciencedirect.com/science/article/pii/S1877916613000374>

Xiao, R., Su, S., Wang, J., Zhang, Z., Jiang, D. and Wu, J., 2013. Local spatial modeling of paddy soil landscape patterns in response to urbanization across the urban agglomeration around Hangzhou Bay, China. *Applied Geography*, 39, pp.158-171.

<https://www.sciencedirect.com/science/article/pii/S014362281300026X>

Pearsall, H. and Christman, Z., 2012. Tree-lined lanes or vacant lots? Evaluating non-stationarity between urban greenness and socio-economic conditions in Philadelphia, Pennsylvania, USA at multiple scales. *Applied Geography*, 35(1-2), pp.257-264.

<https://www.sciencedirect.com/science/article/pii/S0143622812000793>

Partridge, M.D., Rickman, D.S., Ali, K. and Olfert, M.R., 2008. The geographic diversity of US nonmetropolitan growth dynamics: A geographically weighted regression approach. *Land economics*, 84(2), pp.241-266.

<http://le.uwpress.org/content/84/2/241.short>

Gao, J. and Li, S., 2011. Detecting spatially non-stationary and scale-dependent relationships between urban landscape fragmentation and related factors using geographically weighted regression. *Applied Geography*, 31(1), pp.292-302.

<https://www.sciencedirect.com/science/article/pii/S0143622810000676>

Yu, D.L., 2006. Spatially varying development mechanisms in the Greater Beijing Area: a geographically weighted regression investigation. *The Annals of Regional Science*, 40(1), pp.173-190.

<https://link.springer.com/article/10.1007/s00168-005-0038-2>

Longley, P.A. and Tobón, C., 2004. Spatial dependence and heterogeneity in patterns of hardship: an intra-urban analysis. *Annals of the Association of American Geographers*, 94(3), pp.503-519.

<https://www.tandfonline.com/doi/abs/10.1111/j.1467-8306.2004.00411.x>

Malczewski, J. and Poetz, A., 2005. Residential burglaries and neighborhood socioeconomic context in London, Ontario: global and local regression analysis. *The Professional Geographer*, 57(4), pp.516-529.

<https://www.tandfonline.com/doi/abs/10.1111/j.1467-9272.2005.00496.x>

Su, Y.F., Foody, G.M. and Cheng, K.S., 2012. Spatial non-stationarity in the relationships between land cover and surface temperature in an urban heat island and its impacts on thermally sensitive populations. *Landscape and Urban Planning*, 107(2), pp.172-180.

<https://www.sciencedirect.com/science/article/pii/S0169204612001867>

- Shafizadeh-Moghadam, H. and Helbich, M., 2015. Spatiotemporal variability of urban growth factors: A global and local perspective on the megacity of Mumbai. *International Journal of Applied Earth Observation and Geoinformation*, 35, pp.187-198.
<https://www.sciencedirect.com/science/article/pii/S0303243414001779>
- Tu, J., 2013. Spatial variations in the relationships between land use and water quality across an urbanization gradient in the watersheds of northern Georgia, USA. *Environmental management*, 51(1), pp.1-17.
<https://link.springer.com/article/10.1007/s00267-011-9738-9>
- Su, S., Li, D., Xiao, R. and Zhang, Y., 2014. Spatially non-stationary response of ecosystem service value changes to urbanization in Shanghai, China. *Ecological Indicators*, 45, pp.332-339.
<https://www.sciencedirect.com/science/article/pii/S1470160X14001824>
- Yu, D., Shi, P., Liu, Y. and Xun, B., 2013. Detecting land use-water quality relationships from the viewpoint of ecological restoration in an urban area. *Ecological Engineering*, 53, pp.205-216.
<https://www.sciencedirect.com/science/article/pii/S0925857412004004>
- Ivajnsič, D., Kaligarič, M. and Žiberna, I., 2014. Geographically weighted regression of the urban heat island of a small city. *Applied Geography*, 53, pp.341-353.
<https://www.sciencedirect.com/science/article/pii/S0143622814001441>
- Longley, P. and Tobón, C., 2003. Spatial dependence and heterogeneity in patterns of urban deprivation.
<https://www.econstor.eu/handle/10419/116000>
- Szymanowski, M. and Kryza, M., 2012. Local regression models for spatial interpolation of urban heat island—an example from Wrocław, SW Poland. *Theoretical and applied climatology*, 108(1-2), pp.53-71.
<https://link.springer.com/article/10.1007/s00704-011-0517-6>
- Lloyd, C.D., 2010. Exploring population spatial concentrations in Northern Ireland by community background and other characteristics: an application of geographically weighted spatial statistics. *International Journal of Geographical Information Science*, 24(8), pp.1193-1221.
https://www.tandfonline.com/doi/abs/10.1080/13658810903321321?casa_token=__yFqRoiV4fwAAAAA:50--nGUiAnQcVL4NTuF2dRnf7QG4T-_70KbkI56WAXsGK3IuufRD5RGFUpxkzMgMlnSY6LiBKRIe
- Nilsson, P., 2014. Natural amenities in urban space—A geographically weighted regression approach. *Landscape and Urban Planning*, 121, pp.45-54.
<https://www.sciencedirect.com/science/article/pii/S0169204613001783>
- Li, H., Wei, Y.H.D. and Huang, Z., 2014. Urban land expansion and spatial dynamics in globalizing Shanghai. *Sustainability*, 6(12), pp.8856-8875.
<https://www.mdpi.com/2071-1050/6/12/8856>

Jin, C., Xu, J. and Huang, Z., 2019. Spatiotemporal analysis of regional tourism development: A semiparametric Geographically Weighted Regression model approach. *Habitat International*, 87, pp.1-10.

<https://doi.org/10.1016/j.habitatint.2019.03.011>

Shi, G., Shan, J., Ding, L., Ye, P., Li, Y. and Jiang, N., 2019. Urban road network expansion and its driving variables: a case study of Nanjing City. *International journal of environmental research and public health*, 16(13), p.2318.

<https://doi.org/10.3390/ijerph16132318>

Soroori, E., Mohammadzadeh Moghaddam, A. and Salehi, M., 2020. Modeling spatial nonstationary and overdispersed crash data: Development and comparative analysis of global and geographically weighted regression models applied to macrolevel injury crash data. *Journal of Transportation Safety & Security*, pp.1-25.

<https://doi.org/10.1080/19439962.2020.1712671>

Chen, H.C., Han, Q. and de Vries, B., 2020. Urban morphology indicator analyzes for urban energy modeling. *Sustainable Cities and Society*, 52, p.101863.

<https://doi.org/10.1016/j.scs.2019.101863>

Shaker, R.R., Altman, Y., Deng, C., Vaz, E. and Forsythe, K.W., 2019. Investigating urban heat island through spatial analysis of New York City streetscapes. *Journal of cleaner production*, 233, pp.972-992.

<https://doi.org/10.1016/j.jclepro.2019.05.389>

Park, Y. and Guldmann, J.M., 2020. Understanding disparities in community green accessibility under alternative green measures: A metropolitan-wide analysis of Columbus, Ohio, and Atlanta, Georgia. *Landscape and Urban Planning*, 200, p.103806.

<https://doi.org/10.1016/j.landurbplan.2020.103806>

Borthakur, M., Saikia, A. and Sharma, K., 2020. Swelter in the city: Urban greenery and its effects on temperature in Guwahati, India. *Singapore Journal of Tropical Geography*, 41(3), pp.341-366.

<https://doi.org/10.1111/sjtg.12328>

Li, L., Zha, Y. and Zhang, J., 2020. Spatially non-stationary effect of underlying driving factors on surface urban heat islands in global major cities. *International Journal of Applied Earth Observation and Geoinformation*, 90, p.102131.

<https://doi.org/10.1016/j.jag.2020.102131>

Wang, X., Zhou, T., Tao, F. and Zang, F., 2019. Correlation Analysis between UBD and LST in Hefei, China, Using LuoJia1-01 Night-Time Light Imagery. *Applied Sciences*, 9(23), p.5224.

<https://doi.org/10.3390/app9235224>

Gao, C., Feng, Y., Tong, X., Lei, Z., Chen, S. and Zhai, S., 2020. Modeling urban growth using spatially heterogeneous cellular automata models: Comparison of spatial lag, spatial error and GWR. *Computers, Environment and Urban Systems*, 81, p.101459.

<https://doi.org/10.1016/j.compenvurbsys.2020.101459>

Li, M., Zhang, G., Liu, Y., Cao, Y. and Zhou, C., 2019. Determinants of urban expansion and spatial heterogeneity in China. *International Journal of Environmental Research and Public Health*, 16(19), p.3706.

<https://doi.org/10.3390/ijerph16193706>

Ivajnsič, D. and Žiberna, I., 2019. The effect of weather patterns on winter small city urban heat islands. *Meteorological Applications*, 26(2), pp.195-203.

<https://doi.org/10.1002/met.1752>

Li, S., Zhou, C., Wang, S., Gao, S. and Liu, Z., 2019. Spatial heterogeneity in the determinants of urban form: an analysis of Chinese cities with a GWR approach. *Sustainability*, 11(2), p.479.

<https://doi.org/10.3390/su11020479>

Rizwan, M., Wan, W. and Gwiazdzinski, L., 2020. Visualization, Spatiotemporal Patterns, and Directional Analysis of Urban Activities Using Geolocation Data Extracted from LBSN. *ISPRS International Journal of Geo-Information*, 9(2), p.137.

<https://doi.org/10.3390/ijgi9020137>

Xie, Z., Ye, X., Zheng, Z., Li, D., Sun, L., Li, R. and Benya, S., 2019. Modeling polycentric urbanization using multisource big geospatial data. *Remote Sensing*, 11(3), p.310.

<https://doi.org/10.3390/rs11030310>

Krikigianni, E., Tsiakos, C. and Chalkias, C., 2019. Estimating the relationship between touristic activities and night light emissions. *European Journal of Remote Sensing*, 52(sup1), pp.233-246.

<https://doi.org/10.1080/22797254.2019.1582305>

Shen, J., Cheng, J., Huang, W. and Zeng, F., 2020. An Exploration of Spatial and Social Inequalities of Urban Sports Facilities in Nanning City, China. *Sustainability*, 12(11), p.4353.

<https://doi.org/10.3390/su12114353>

Zhang, Z., Xiao, Y., Luo, X. and Zhou, M., 2020. Urban human activity density spatiotemporal variations and the relationship with geographical factors: An exploratory Baidu heatmaps-based analysis of Wuhan, China. *Growth and Change*, 51(1), pp.505-529.

<https://doi.org/10.1111/grow.12341>

Lou, G., Chen, Q., He, K., Zhou, Y. and Shi, Z., 2019. Using Nighttime Light Data and POI Big Data to Detect the Urban Centers of Hangzhou. *Remote Sensing*, 11(15), p.1821.

<https://doi.org/10.3390/rs11151821>

Zhang, S., Zhang, W., Wang, Y., Zhao, X., Song, P., Tian, G. and Mayer, A.L., 2020. Comparing Human Activity Density and Green Space Supply Using the Baidu Heat Map in Zhengzhou, China. *Sustainability*, 12(17), p.7075.

<https://doi.org/10.3390/su12177075>

Steenberg, J.W., Robinson, P.J. and Duinker, P.N., 2019. A spatio-temporal analysis of the relationship between housing renovation, socioeconomic status, and urban forest ecosystems. *Environment and Planning B: Urban Analytics and City Science*, 46(6), pp.1115-1131.

<https://doi.org/10.1177/2399808317752927>

Pettit, C., Shi, Y., Han, H., Rittenbruch, M., Foth, M., Lieske, S., Van De Nouwelant, R., Mitchell, P., Leao, S., Christensen, B. and Jamal, M., 2020. A new toolkit for land value analysis and scenario planning. *Environment and Planning B: Urban Analytics and City Science*, p.2399808320924678.

<https://doi.org/10.1177/2399808320924678>

Zhang, J., He, X. and Yuan, X.D., 2020. Research on the relationship between Urban economic development level and urban spatial structure—A case study of two Chinese cities. *Plos one*, 15(7), p.e0235858.

<https://doi.org/10.1371/journal.pone.0235858>

Yücer, E. and Erener, A., 2020. Investigation of the effects of socio-economic indicators on the urban area by spatial and nonspatial techniques. *Arabian Journal of Geosciences*, 13(5), pp.1-11.

<https://link.springer.com/article/10.1007/s12517-020-5177-3>

Wang, H., Hu, Y., Tang, L. and Zhuo, Q., 2020. Distribution of Urban Blue and Green Space in Beijing and Its Influence Factors. *Sustainability*, 12(6), p.2252.

<https://doi.org/10.3390/su12062252>

Huang, B. and Wang, J., 2020. Big spatial data for urban and environmental sustainability. *Geospatial Information Science*, 23(2), pp.125-140.

<https://doi.org/10.1080/10095020.2020.1754138>

Huang, H. and Wei, Y.D., 2019. The Spatial–Temporal Hierarchy of Inequality in Urban China: A Prefectural City–Level Study. *The Professional Geographer*, 71(3), pp.391-407.

<https://doi.org/10.1080/00330124.2019.1578976>

Shan, J., Liu, Y., Kong, X., Liu, Y. and Wang, Y., 2020. Identifying City Shrinkage in Population and City Activity in the Middle Reaches of the Yangtze River, China. *Journal of Urban Planning and Development*, 146(3), p.04020027.

[https://ascelibrary.org/doi/full/10.1061/%28ASCE%29UP.1943-](https://ascelibrary.org/doi/full/10.1061/%28ASCE%29UP.1943-5444.0000593?casa_token=JexkJtfE2F4AAAAA%3A82wBRbRQutpQzcy4ONdsXpaPqaJzNU)

[5444.0000593?casa_token=JexkJtfE2F4AAAAA%3A82wBRbRQutpQzcy4ONdsXpaPqaJzNUE-sL-HPJYk7Z7W3rXesujB26yq1fiOOYCBfiVvFO8](https://ascelibrary.org/doi/full/10.1061/%28ASCE%29UP.1943-5444.0000593?casa_token=JexkJtfE2F4AAAAA%3A82wBRbRQutpQzcy4ONdsXpaPqaJzNUE-sL-HPJYk7Z7W3rXesujB26yq1fiOOYCBfiVvFO8)

Meng, Y., Xing, H., Yuan, Y., Wong, M.S. and Fan, K., 2020. Sensing urban poverty: From the perspective of human perception-based greenery and open-space landscapes. *Computers, Environment and Urban Systems*, 84, p.101544.

<https://doi.org/10.1016/j.compenvurbsys.2020.101544>

Guo, A., Yang, J., Sun, W., Xiao, X., Cecilia, J.X., Jin, C. and Li, X., 2020. Impact of urban morphology and landscape characteristics on spatiotemporal heterogeneity of land surface temperature. *Sustainable Cities and Society*, 63, p.102443.

<https://doi.org/10.1016/j.scs.2020.102443>

Lin, J., Wang, Q. and Li, X., 2021. Socioeconomic and spatial inequalities of street tree abundance, species diversity, and size structure in New York City. *Landscape and Urban Planning*, 206, p.103992.

<https://doi.org/10.1016/j.landurbplan.2020.103992>

Fu, R., Zhang, X., Yang, D., Cai, T. and Zhang, Y., 2021. The Relationship between Urban Vibrancy and Built Environment: An Empirical Study from an Emerging City in an Arid Region. *International Journal of Environmental Research and Public Health*, 18(2), p.525.

<https://doi.org/10.3390/ijerph18020525>

Wang, A., Zhang, A., Chan, E.H., Shi, W., Zhou, X. and Liu, Z., 2021. A Review of Human Mobility Research Based on Big Data and Its Implication for Smart City Development. *ISPRS International Journal of Geo-Information*, 10(1), p.13.

<https://doi.org/10.3390/ijgi10010013>

Cox, T. and Hurtubia, R., 2021. Latent segmentation of urban space through residential location choice. *Networks and Spatial Economics*, 21(1), pp.199-228.

<https://link.springer.com/article/10.1007/s11067-021-09520-1>

Chakraborty, A. and Li, X., 2021. Exploring the heterogeneity in relationship between heat exposure and land development in Mumbai, India: a framework to address urban vulnerability in developing megacities. *Journal of Environmental Planning and Management*, pp.1-17.

<https://doi.org/10.1080/09640568.2021.1884050>

Wang, A., Zhang, A., Chan, E.H., Shi, W., Zhou, X. and Liu, Z., 2021. A Review of Human Mobility Research Based on Big Data and Its Implication for Smart City Development. *ISPRS International Journal of Geo-Information*, 10(1), p.13.

<https://doi.org/10.3390/ijgi10010013>

Sun, H. and Zhen, F., 2021. Spatial Characteristics and Influencing Factors of Urban Resilience from the Perspective of Daily Activity: A Case Study of Nanjing, China. *Chinese Geographical Science*, 31(3), pp.387-399.

<https://link.springer.com/article/10.1007/s11769-021-1201-0>

Ye, Y. and Qiu, H., 2021. Environmental and social benefits, and their coupling coordination in urban wetland parks. *Urban Forestry & Urban Greening*, 60, p.127043.

<https://doi.org/10.1016/j.ufug.2021.127043>

Bagheri, B. and Shaykh-Baygloo, R., 2021. Spatial analysis of urban smart growth and its effects on housing price: The case of Isfahan, Iran. *Sustainable Cities and Society*, 68, p.102769.

<https://doi.org/10.1016/j.scs.2021.102769>

Bagheri, B. and Shaykh-Baygloo, R., 2021. Spatial analysis of urban smart growth and its effects on housing price: The case of Isfahan, Iran. *Sustainable Cities and Society*, 68, p.102769.

<https://doi.org/10.1016/j.scs.2021.102769>

Shoff, C., Yang, T.C. and Kim, S., 2021. Rural/Urban Differences in the Predictors of Opioid Prescribing Rates Among Medicare Part D Beneficiaries 65 Years of Age and Older. *The Journal of Rural Health*, 37(1), pp.5-15.

<https://onlinelibrary.wiley.com/doi/epdf/10.1111/jrh.12497>

Hernández, J.M., Bulchand-Gidumal, J. and Suárez-Vega, R., 2021. Using accommodation price determinants to segment tourist areas. *Journal of Destination Marketing & Management*, 21, p.100622.

<https://doi.org/10.1016/j.jdmm.2021.100622>

Palomino, J. and Sánchez, T., 2021. Where Are the Poor Located? A Spatial Heterogeneity Analysis of Monetary Poverty in Peru. *Economia*, 44(87), pp.89-114.

<https://doi.org/10.18800/economia.202101.006>

Zhang, L., Han, R. and Cao, H., 2021. Understanding Urban Land Growth through a Social-Spatial Perspective. *Land*, 10(4), p.348.

<https://doi.org/10.3390/land10040348>

Ye, Y. and Qiu, H., 2021. Using urban landscape pattern to understand and evaluate infectious disease risk. *Urban forestry & urban greening*, 62, p.127126.

<https://doi.org/10.1016/j.ufug.2021.127126>

Zhao, Y., Xie, D., Zhang, X. and Ma, S., 2021. Integrating Spatial Markov Chains and Geographically Weighted Regression-Based Cellular Automata to Simulate Urban Agglomeration Growth: A Case Study of the Guangdong–Hong Kong–Macao Greater Bay Area. *Land*, 10(6), p.633.

<https://doi.org/10.3390/land10060633>

Vegetation:

Sun, Y., Ao, Z., Jia, W., Chen, Y. and Xu, K., 2021. A geographically weighted deep neural network model for research on the spatial distribution of the down dead wood volume in Liangshui National Nature Reserve (China). *iForest-Biogeosciences and Forestry*, 14(4), p.353.

<https://doi.org/10.3832/ifor3705-014>

- Propastin, P., Kappas, M. and Erasmi, S., 2008. Application of Geographically Weighted Regression to Investigate the Impact of Scale on Prediction Uncertainty by Modelling Relationship between Vegetation and Climate. *IJSDIR*, 3, pp.73-94.
https://www.researchgate.net/profile/Pavel_Propastin/publication/26517479_Application_of_Geographically_Weighted_Regression_to_Investigate_the_Impact_of_Scale_on_Prediction_Uncertainty_by_Modelling_Relationship_between_Vegetation_and_Climate/links/0a85e5304752caf4d4000000/Application-of-Geographically-Weighted-Regression-to-Investigate-the-Impact-of-Scale-on-Prediction-Uncertainty-by-Modelling-Relationship-between-Vegetation-and-Climate.pdf
- Kupfer, J.A. and Farris, C.A., 2007. Incorporating spatial non-stationarity of regression coefficients into predictive vegetation models. *Landscape Ecology*, 22(6), pp.837-852.
<https://link.springer.com/article/10.1007/s10980-006-9058-2>
- Tooke, T.R., Klinkenberg, B. and Coops, N.C., 2010. A geographical approach to identifying vegetation-related environmental equity in Canadian cities. *Environment and Planning B: Planning and Design*, 37(6), pp.1040-1056.
<https://journals.sagepub.com/doi/abs/10.1068/b36044>
- Zhao, N., Yang, Y. and Zhou, X., 2010. Application of geographically weighted regression in estimating the effect of climate and site conditions on vegetation distribution in Haihe Catchment, China. *Plant Ecology*, 209(2), pp.349-359.
<https://link.springer.com/article/10.1007/s11258-010-9769-y>
- Kimsey Jr, M.J., Moore, J. and McDaniel, P., 2008. A geographically weighted regression analysis of Douglas-fir site index in north central Idaho. *Forest Science*, 54(3), pp.356-366.
<https://academic.oup.com/forestscience/article/54/3/356/4604418>
- de Gasper, A.L., Eisenlohr, P.V. and Salino, A., 2015. Climate-related variables and geographic distance affect fern species composition across a vegetation gradient in a shrinking hotspot. *Plant Ecology & Diversity*, 8(1), pp.25-35.
<https://www.tandfonline.com/doi/abs/10.1080/17550874.2013.843604>