BIBLIOGRAPHY

Ackerman, W.V. (1998) 'Socioeconomic correlates of increasing crime rates in smaller communities', Professional Geographer, 50: 372-87.

- Allen, J.P. and Turner, E. (1996) 'Spatial patterns of immigrant assimilation', *Professional Geographer*, 48: 140–55.
- Andrews, D.F. and Herzberg, A.M. (1985) Data: A Collection of Problems from Many Fields for the Student and Research Worker. New York, NY: Springer.
- Anselin, L. (1995) 'Local indicators of spatial association LISA', Geographical Analysis, 27: 93–115.
- Anselin, L. (1996) 'The Moran Scatterplot as an ESDA tool to assess local instability in spatial association', in M. Fischer, H. Scholten, and D. Unwin (eds), Spatial Analytical Perspectives on GIS in Environmental and Socio-Economic Sciences. London: Taylor & Francis. pp. 111–25.
- Anselin, L. (2005) 'Exploring spatial data with GeoDa: A workbook', Center for Spatially Integrated Social Science at http://www.csiss.org/clearinghouse/GeoDa/geodaworkbook. pdf [accessed 15 July 2019].
- Anselin, L., Syabri, I., and Kho, Y. (2006) 'GeoDa: An introduction to spatial data analysis', Geographical Analysis, 38 (1): 5-22.
- Bachi, R. (1963) 'Standard distance measures and related methods for spatial analysis', Papers of the Regional Science Association, 10: 83–132.
- Bai, S.-B., Wang, J., Lu, G.-N., Zhou, P.-G, Hou, S.-S., and Xu, S.-N. (2010) 'GIS-based logistic regression for landslide susceptibility mapping of the Zhongxian segment in the Three Gorges area, China', Geomorphology, 115 (1–2): 23–31.
- Bailey, A. and Gatrell, A. (1995) Interactive Spatial Data Analysis. Harlow: Longman.
- Beckmann, P. (1971) A History of Pi. New York, NY: St. Martin's Press.
- Besag, J. and Newell, J. (1991) 'The detection of clusters in rare diseases', Journal of the Royal Statistical Society Series A, 154: 143–55.
- Bortkiewicz, L.J. (1898) Das Gesetz der kleinen Zahlen [The Law of Small Numbers]. Leipzig: B.G. Teubner.
- Bostrom, N. (2000) 'Cars in the next lane really do go faster', *Plus* (December 1). Available at www.pass.maths.org.uk/issue17/features/traffic/index.html [accessed 24 June 2019].

- Brunsdon, C., Fotheringham, A.S., and Charlton, M. (1996) 'Geographically weighted regression: A method for exploring spatial nonstationarity', *Geographical Analysis*, 28: 281–98.
- Brunsdon, C., Fotheringham, A.S., and Charlton, M. (1999) 'Some notes on parametric significance tests for geographically weighted regression', *Journal of Regional Science*, 39: 497–524.
- Buffon, G. (1733) 'Editor's note concerning a lecture given 1733 by Mr. Le Clerc de Buffon to the Royal Academy of Sciences in Paris', Histoire de l'Acad. Roy. des Sci.: 43-45.
- Buffon, G. (1777) 'Essai d'arithmétique morale', Histoire naturelle, générale er particulière, Supplément, 4: 46–123.
- Chun.Y. and Griffith, D.A. (2013) Spatial Statistics and Geostatistics: Theory and Applications for Geographic Information Science and Technology. Thousand Oaks, CA: Sage.
- City of Milwaukee (2019) https://data.milwaukee.gov/dataset/property-sales-data [accessed 27 June 2019].
- Clarke, A.E. and Holly, B. (1996) 'The organization of production in high technology industries: An empirical assessment', *Professional Geographer*, 48: 127–39.
- Clarke, R.D. (1946) 'An application of the Poisson distribution', Journal of the Institute of Actuaries, 72 (3): 481.
- Cliff, A., and Ord, J.K. (1975) 'The comparison of means when samples consist of spatially autocorrelated observations', *Environment and Planning*, A, 7: 725–34.
- Clifford, P. and Richardson, S. (1985) 'Testing the association between two spatial processes', Statistics and Decisions, Supplement No. 2: 155-60.
- Cohen, J. (1995) How Many People can the Earth Support? New York, NY: W.W. Norton and Co.
- Cornish, S.L. (1997) 'Strategies for the acquisition of market intelligence and implications for the transferability of information inputs', *Annals of the Association of American Geographers*, 87: 451–70.
- Cressie, N. (1993) Statistical Analysis of Spatial Data. New York, NY: Wiley.
- Cressie, N. and Wikle, C.K. (2011) Statistics for Spatio-Temporal Data. New York, NY: Wiley.
- Cringoli, G., Taddei, R., Rinaldi, L., Veneziano, V., Musella, V., Cascone, C., Sibilio, G., and Malone, J.B. (2004) 'Use of remote sensing and geographical information systems to identify environmental features that influence the distribution of paramphistomosis in sheep from the southern Italian Apennines', *Veterinary Parasitology*, 122 (1): 15–26.
- Curtiss, J. and McIntosh, R. (1950) 'The interrelations of certain analytic and synthetic phytosociological characters', *Ecology*, 31: 434–55.
- Dagel, K.C. (1997) 'Defining drought in marginal areas: The role of perception', *Professional Geographer*, 49: 192–202.
- Davies Withers, S. (2002) 'Quantitative methods: Bayesian inference, Bayesian thinking', Progress in Human Geography, 26: 553–66.

- Dawson, C.B., and Riggs, T.D. (2004) 'Highway relativity', College Mathematics Journal 35: 246-50.
- deSmith, M.J., Goodchild, M.F., and Longley, P.A. (2009) Geospatial Analysis: A Comprehensive Guide to Principles, Techniques, and Software Tools. Leicester, UK: Troubador. Full text available at http://www.spatialanalysisonline.com/HTML [accessed 16 July 2019].
- Dunhill, A.M. (2011) 'Using remote sensing and a geographic information system to quantify rock exposure area in England and Wales: Implications for paleodiversity studies', Geology, 39: 111–14.
- Duque, J.C., Church, R.L., and Middleton, R.S. (2011) 'The max p-regions problem', Geographical Analysis, 43: 104–26.
- Duque, J.C., Anselin, L., and Rey, S.J. (2012) 'The p-regions problem', Journal of Regional Science, 52: 397-419.
- Easterlin, R. (1980) Birth and Fortune: The Impact of Numbers on Personal Welfare. New York, NY: Basic Books.
- Eilon, S., Watson-Gandy, C.D.T., and Christofides, N. (1971) Distribution Management: Mathematical Modeling and Practical Analysis. London: Griffin.
- Fischer, M. and Getis, A. (2009) Handbook of Applied Spatial Analysis: Software Tools, Methods, and Applications. New York, NY: Springer.
- Fisher, R.A. and Yates, F. (1974) Statistical Tables for Biological, Agricultural, and Medical Research (6th edition). London: Longman.
- Fotheringham, A.S. and Rogerson, P. (1993) 'GIS and spatial analytical problems', International Journal of Geographical Information Systems, 7: 3–19.
- Fotheringham, A.S. and Rogerson, P. (2008) Handbook of Spatial Analysis. London: Sage.
- Fotheringham, A.S. and Wong, D. (1991) 'The modifiable area unit problem in multivariate statistical analysis', *Environment and Planning A*, 23: 1025–44.
- Fotheringham, A.S., Charlton, M.E., and Brunsdon, C. (1998) 'Geographically weighted regression: A natural evolution of the expansion method for spatial data analysis', *Environment and Planning A*, 30: 1905–27.
- Fotheringham, A.S., Brunsdon, C., and Charlton, M.E. (2000) Quantitative Geography: Perspectives on Spatial Data Analysis. London: Sage.
- Fotheringham, A.S., Brunsdon, C., and Charlton, M.E. (2002) Geographically Weighted Regression: The Analysis of Spatially Varying Relationships. New York, NY: Wiley.
- Gardner, M. (1976) 'On the fabric of inductive logic and some probability paradoxes', Scientific American, 3, 119-24.
- Gao, X., Asami, Y., and Ching, C.-J.F. (2006) 'An empirical evaluation of spatial regression models', Computers and Geosciences, 32: 1040-51.
- Gehlke, C. and Biehl, K. (1934) 'Certain effects of grouping upon the size of the correlation coefficient in census tract material', *Journal of the American Statistical Association*, 29: 169–70.

- GeoDa Spatial statistical software available at https://spatial.uchicago.edu/software [accessed 16 July 2019].
- Gott, R. (1993) 'Implications of the Copernican principle for our future prospects', *Nature*, 363: 315–19.
- Griffith, D.A. (1978) 'A spatially adjusted ANOVA model', Geographical Analysis, 10: 296-301.
- Griffith, D.A. (1987) Spatial Autocorrelation: A Primer. Washington, DC: Association of American Geographers.
- Griffith, D.A. (1996) 'Computational simplifications for space—time forecasting within GIS: The neighbourhood spatial forecasting model', in P. Longley and M. Batty (eds) *Spatial Analysis: Modelling in a GIS Environment*. Cambridge, UK: Geoinformation International. pp. 247–60.
- Griffith, D.A., Doyle, P.G., Wheeler, D.C., and Johnson, D.L. (1998) 'A tale of two swaths: Urban childhood blood-lead levels across Syracuse, New York', *Annals of the Association of American Geographers*, 88: 640–65.
- Hadi, A.S. and Ling, R.F. (1998) 'Some cautionary notes on the use of principal components regression', *American Statistician*, 52 (1): 15–19.
- Haining, R. (1990a) Spatial Data Analysis in the Social and Environmental Sciences. Cambridge, UK: Cambridge University Press.
- Haining, R. (1990b) 'The use of added variable plots in regression modelling with spatial data', *Professional Geographer*, 42: 336–45.
- Haining, R. (2003) Spatial Data Analysis: Theory and Practice. Cambridge, UK: Cambridge University Press.
- Hemmasi, M. and Prorok, C. (2002) 'Women's migration and quality of life in Turkey', Geoforum, 33: 399-411.
- Hendryx, M., Fedorko, E., and Anesetti-Rothermel, A. (2010) 'A geographical information system-based analysis of cancer mortality and population exposure to coal mining activities in West Virginia, United States of America', Geospatial Health, 4: 243–56.
- IJmker, J., Stauch, G., Hartmann, K., Diekmann, B., Dietze, E., Opitz, S., Wunnemann, B., and Lehmkuhl, F. (2012) 'Environmental conditions in the Donggi Cona lake catchment, NE Tibetan Plateau, based on factor analysis of geochemical data', *Journal of Asian Earth Sciences*, 44: 176–88.
- Karlin, S. and Taylor, H.M. (1975) A First Course in Stochastic Processes. New York, NY: Academic Press.
- Keylock, C.J. and Dorling, D. (2004) 'What kind of quantitative methods for what kind of geography?' *Area*, 36: 358–66.
- Kitawaga, E.M. and Hauser, P.M. (1973) Differential Mortality in the United States. Cambridge, MA: Harvard University Press.
- Krumbein, W.C. (1954) 'Applications of statistical methods to sedimentary rocks', Journal of the American Statistical Association, 49: 51–66.
- Krumbein, W.C. and Graybill, F.A. (1965) An Introduction to Statistical Methods in Geography. New York, NY: McGraw-Hill.

- Laplace, P.-S. (1812) Theorie Analytique des Probabiliites. Paris: Veuve Courcier.
- Ligmann-Zielinska, A. and Jankowski, P. (2012) 'Impact of proximity-adjusted preferences on rank-order stability in geographical multicriteria decision analysis', *Journal of Geographical Systems*, 14: 167–87.
- Liu, C.W., Lin, K.H., and Kuo, Y.M. (2003) 'Application of factor analysis in the assessment of ground water quality in a blackfoot disease area in Taiwan', *Science of the Total Environment*, 313 (1–3): 77–89.
- Lloyd, C. and Shuttleworth, I. (2005) 'Analyzing commuting using local regression techniques', Environment and Planning A, 37: 81–103.
- Longley, P., Brooks, S.M., McDonnell, R., and Macmillan, B. (1998) Geocomputation: A Primer. Chichester, UK: Wiley.
- MacDonald, G.M., Szeicz, J.M., Claricoates, J., and Dale, K.A. (1998) 'Response of the central Canadian treeline to recent climatic changes', *Annals of the Association of American Geographers*, 88: 183–208.
- Mallows, C. (1998) 'The zeroth problem', American Statistician, 52 (1): 1-9.
- Mardia, K.V. and Jupp, P. (1999) Directional Statistics. New York, NY: Wiley.
- McGrew, J.C.J. and Monroe, C.B. (2000) Introduction to Statistical Problem Solving in Geography. Boston, MA: McGraw-Hill.
- Meehl, P. (1990) 'Why summaries of research on psychological theories are often uninterpretable', Psychological Reports, 66 (Monograph Supplement 1-V66): 195-244.
- Moore, D.K., Jerrett, M., Mack, W.J., and Künzli, N. (2007) 'A land use regression model for predicting ambient fine particulate matter across Los Angeles, CA', Journal of Environmental Monitoring, 9: 246-252.
- Moran, P.A.P. (1948) 'The interpretation of statistical maps', Journal of the Royal Statistical Society Series B, 10: 245–51.
- Moran, P.A.P. (1950) 'Notes on continuous stochastic phenomena', Biometrika, 37: 17-23.
- Mugford, S.T., Mallon, E.B., and Franks, N.R. (2001) 'The accuracy of Buffon's needle: A rule of thumb used by ants to estimate area', Behavioral Ecology, 12 (6): 655-58.
- Murtagh, F. (1985) 'A survey of algorithms for contiguity-constrained clustering and related problems', *The Computer Journal*, 28: 82-8.
- Myers, D., Lee, S.W., and Choi, S.S. (1997) 'Constraints of housing age and migration on residential mobility', *Professional Geographer*, 49: 14–28.
- Nelson, P.W. (1997) 'Migration, sources of income, and community change in the Pacific Northwest', *Professional Geographer*, 49: 418–30.
- O'Loughlin, J., Ward, M.D., Lofdahl, C.L., Cohen, J.S., Brown, D.S., Reilly, D., Gleditsch, K.S., and Shin, M. (1998) 'The diffusion of democracy, 1946–1994', Annals of the Association of American Geographers, 88: 545–74.
- O'Reilly, K. and Webster, G.R. (1998) 'A sociodemographic and partisan analysis of voting in three anti-gay rights referenda in Oregon', *Professional Geographer*, 50: 498-515.

- Ormrod, R.K. and Cole, D.B. (1996) 'The vote on Colorado's Amendment Two', Professional Geographer, 48: 14–27.
- Oxford English Dictionary, online definition of 'statistics' at www.oed.com/view/ Entry/189322? Subscription only.
- Pearson, E.S. and Hartley, H.O. (eds) (1966) Biometrika Tables for Statisticians, vol. 1. Cambridge, UK: Cambridge University Press.
- Plane, D. and Rogerson, P. (1991) 'Tracking the baby boom, the baby bust, and the echo generations: How age composition regulates US migration', *Professional Geographer*, 43: 416–39.
- Plane, D. and Rogerson, P. (1994) The Geographical Analysis of Population: With Applications to Planning and Business. New York, NY: Wiley.
- Poeppl, R.E, Keiler, M., von Elverfeldt, K., Zweimueller, I., and Glade, T. (2013) 'The influence of riparian vegetation cover on diffuse lateral sediment connectivity and biogeomorphic processes in a medium-sized catchment, Austria', Geografiska Annaler Series A Physical Geography, 94 (4): 51129.
- Poon, J.P.H., Eldredge, B., and Yeung, D. (2004) 'Rank size distribution of international financial centers', *International Regional Science Review*, 27: 411–30.
- Redelmeier, D.A. and Tibshirani, R.J. (2000) 'Are those other drivers really going faster?' Chance, 13 (3): 8–14. Available at http://people.brandeis.edu/~moshep/Projects/DoTheyReallyMoveFaster/133.redelmeier.pdf.
- Rey, S. and Montouri, B. (1999) 'US regional income convergence', Regional Studies, 33: 146-56.
- Robinson, W. (1950) 'Ecological correlation and the behavior of individuals', American Sociological Review, 15: 351–7.
- Rogers, A. (1975) Matrix Population Models. Thousand Oaks, CA: Sage.
- Rogerson, P. (1987) 'Changes in U.S. national mobility levels', *Professional Geographer*, 39: 344–51.
- Rogerson, P. and Plane, D. (1998) 'The dynamics of neighborhood composition', Environment and Planning A, 30: 1461-72.
- Rogerson, P., Weng, R., and Lin, G. (1993) 'The spatial separation between parents and their adult children', Annals of the Association of American Geographers, 83: 656-71.
- Sachs, L. (1984) Applied Statistics: A Handbook of Techniques. New York, NY: Springer Verlag.
- Sasson, C., Cudnik, M.T., Nassel, A., Semple, H., Magid, D.J., Sayre, M., Keseg, D., Haukoos, J.S., and Warden, C.R. (2012) 'Identifying high-risk geographic areas for cardiac arrest using three methods for cluster analysis', *Academic Emergency Medicine*, 19 (2): 139–46.
- Schabenberger, O. and Gotway, C.A. (2005) Statistical Methods for Spatial Data Analysis. Boca Raton, FL: Chapman and Hall/CRC.
- Scheffé, H. (1959) The Analysis of Variance. New York, NY: Wiley.

- Shearmur, R., Apparicio, P., Lizion, P., and Polese, M. (2007) 'Space, time, and local employment growth: An application of spatial regression analysis', *Growth and Change*, 38: 696–722.
- Slocum, T. (1990) 'The use of quantitative methods in major geographical journals, 1956–1986', Professional Geographer, 42: 84–94.
- Staeheli, L. and Clarke, S.E. (2003) 'The new politics of citizenship: Structuring participation by household, work and identity', *Urban Geography*, 24: 103–26.
- Stewart, J.Q. and Warntz, W. (1958) 'Physics of population distribution', Journal of Regional Science, 1: 99–123.
- Standing, L., Sproule, R., and Khouzam, N. (1991) 'Empirical statistics: IV. Illustrating Meehl's sixth law of soft psychology: Everything correlates with everything', *Psychological Reports*, 69: 123–6.
- Stouffer, S. (1940) 'Intervening opportunities: A theory relating mobility and distance', American Sociological Review, 5: 845–67.
- Sun, R., Chen, L., and Fu B. (2011) 'Predicting monthly precipitation with multivariate regression methods using geographic and topographic information', *Physical Geography*, 32 (3): 269–85.
- Takhteyev, Y., Gruzd, A., and Wellman, B. (2012) 'Geography of Twitter networks', Social Networks, 34 (1): 73–81.
- Tannery, O. and Henry C. (1894) Oeuvres de Fermat. Volume II. pp. 288–314. Paris. cited at https://www.york.ac.uk/depts/maths/histstat/pascal.pdf.
- Tu, J. (2011) 'Spatially varying relationships between land use and water quality across an urbanization gradient explored by geographically weighted regression', *Applied Geography*, 31: 376–92.
- Tukey, J.W. (1972) 'Some graphic and semigraphic displays', In T.A. Bancroft (ed.) Statistical Papers in Honor of George W. Snedecor. Ames, IA: Iowa State University Press. pp. 293–316.
- US Census Bureau (2011) Mean center of population for the United States: 1790 to 2010. https://www2.census.gov/geo/pdfs/reference/cenpop2010/centerpop_mean2010.pdf [accessed 27 June 2019].
- Velleman, P.F. and Hoaglin, D.G. (1981) Applications, Basics, and Computing of Exploratory Data Analysis. Belmont, CA: Wadsworth.
- Waller, L.A. and Gotway, C.A. (2004) Applied Statistics for Public Health Data. New York, NY: Wiley.
- Ward, M.D. and Gleditsch, K.S. (2008) Spatial Regression Models. Thousand Oaks, CA: Sage. Williams, K.R.S. and Parker, K.C. (1997) 'Trends in interdiurnal temperature variation for the central United States, 1945–1985', Professional Geographer, 49: 342–55.
- Wyllie, D.S. and Smith, G.C. (1996) 'Effects of extroversion on the routine spatial behavior of middle adolescents', *Professional Geographer*, 48: 166–80.