

REFERENCES

- Anderson, T.W., (1958) *Introduction to Multivariate Statistical Analysis*, Wiley: New York.
- Anselin, L. (1988) *Spatial Econometrics*, Kluwer: Dordrecht
- Anselin, L. (1995) “Local measures of spatial association (LISA)”, *Geographical Analysis*, 27: 93-115.
- Anselin, L., Florax, R., 1995. “Small sample properties of tests for spatial dependence in regression models: some further results”, In: Anselin, L., Florax, R. (Eds.), *New Directions in Spatial Econometrics*, Springer Verlag, New York, pp. 21–74.
- Anselin, L. and S. Rey (1991) “Properties of Tests for Spatial Dependence in Linear Regression Models”, *Geographical Analysis*, 23: 112-131.
- Bailey, T.C. and A.C. Gatrell (1995) *Interactive Spatial Data Analysis*, Addison Wesley Longman Limited: Essex, England.
- Banerjee, S., B.P. Carlin, and A.E. Gelfand (2004) *Hierarchical Modeling and Analysis for Spatial Data*, New York: Chapman & Hall.
- Bartle, R.G. (1975) *The Elements of Real Analysis, Second Edition*, Wiley: New York.
- Billingsley, Patrick (1979) *Probability and Measure*, Wiley: New York.
- Breiman, L. (1969) *Probability and Stochastic Processes*, Houghton-Mifflin: Boston.
- Burnham, K.P. and D.R. Anderson (2002) *Model Selection and Multimodel Inference*, 2nd edition, Springer: New York.
- Buse, A. (1973) “Goodness-of-fit in generalized least squares estimation”, *The American Statistician*, 27: 106-108.
- Callan, D. (1998) “When is ‘Rank’ additive?”, *College Mathematics Journal*, 29: 145-147.
- Cheng, Y., T. Carson and M.B.M. Elgindi (2012) “A note on the proof of the Perron-Frobenius theorem”, *Applied Mathematics*, 3: 1697-1701.
- Clark, P.J. and F.C. Evans (1954) “Distance to nearest neighbor as a measure of spatial relationships in populations”, *Ecology*, 35: 445-453.

- Cliff, A. D. and J. K. Ord. (1969) "The problem of spatial autocorrelation." In *London Papers in Regional Science I, Studies in Regional Science*, 25–55, edited by A. J. Scott, London: Pion.
- Cliff, A.D. and J.K. Ord (1973) *Spatial Autocorrelation*, Pion: London.
- Cliff, A.D. and J.K. Ord (1981) *Spatial Processes: Models & Applications*, Pion: London.
- Conniffe, D. and J.E. Spencer (2001) "When moments of ratios are ratios of moments", *The Statistician*, 50: 161-168
- Cox, D.R. and V. Isham (1980) *Point Processes*, Chapman and Hall: London
- Cressie, N.A.C. (1985) "Fitting variogram models by weighted least squares", *Mathematical Geology*, 17:563-586.
- Cressie, N.A.C. (1990) "The origins of kriging", *Mathematical Geography*, 22: 239-252.
- Cressie, N.A.C. (1993) *Statistics for Spatial Data*, (Revised Edition) Wiley: New York.
- Cressie, N.A.C. and D.M. Hawkins (1980) "Robust estimation of the variogram, I", *Journal of the International Association for Mathematical Geology*, 12:115-125.
- Davidson, R. and J.G. MacKinnon (1993) *Estimation and Inference in Econometrics*, Oxford University Press: New York.
- Debreu, G. and I.N. Herstein (1953) "Nonnegative square matrices", *Econometrica*, 21: 597-607.
- Diggle, P., Gatrell, A.C., and Lovett, A.A. (1990) "Modelling the prevalence of cancer of the larynx in part of Lancashire: a new methodology for spatial epidemiology", in Thomas, R.W. (ed) *Spatial Epidemiology*, Pion: London.
- Diggle, P., Chetwynd, A., Haggkvist, R. and Morris, S. (1995) "Second-order analysis of space-time clustering", *Statistical Methods in Medical Research*, 4: 124-136.
- Diggle, P.J. (2003) *Statistical Analysis of Spatial Point Patterns, Second Edition*, Oxford University Press: London.
- Doreian, P. (1980) "Linear models with spatially distributed data", *Sociological Methods & Research*, 9: 29-60
- Franke, R. (1982) "Smooth interpolation of scattered data by local thin plate splines", *Computers & Mathematics with Applications*, 8: 273-281.

- Getis, A. and J.K. Ord (1992) "The Analysis of Spatial Association by Use Distance Statistics", *Geographical Analysis*, 24: 189-206.
- Goodchild, M.F. and N. Lam (1980) "Areal interpolation: A variant of the traditional spatial problem", *Geo-Processing*, 1: 297-312.
- Green, W.H. (2003) *Econometric Analysis*, 5th Edition, Prentice Hall: Upper Saddle River, New Jersey.
- Hillier, A.E., D.P. Culhane, T.E. Smith and C.D. Tomlin (2003) "Predicting Housing Abandonment with the Philadelphia Neighborhood Information System", *Journal of Urban Affairs*, 25: 91-105
- Horn, R.A, and C.R. Johnson (1985) *Matrix Analysis*, Cambridge University Press
- Johnson, N.L. and S. Kotz (1970) *Continuous Univariate Distributions 1*, Houghton-Mifflin: New York.
- Johnston, K., J. Ver Hof, K. Krivoruchko, and N. Lucas (2001) *Using ArcGIS Geostatistical Analyst*, ESRI.
- Kalman, D. (1996) "A Singularly Valuable Decomposition: The SVD of a Matrix", *College Mathematics Journal*, 27: 2-23.
- Karlin, S. and H.M. Taylor (1981) *A Second Course in Stochastic Processes*, Academic Press: New York.
- Kelejian, H.H. and Prucha, I.R. (2010) "Specification and estimation of spatial autoregressive models with autoregressive and heteroskedastic disturbances", *Journal of Econometrics*, 157: 53-67
- Kohlberg, E. and J.W. Pratt (1982) "The contraction-mapping approach to the Perron-Forbenius theory: Why Hilbert's metric?", *Mathematics of Operations Research*, 7: 198-210.
- Larsen, R.L. and M.L. Marx (2001) *Introduction to Mathematical Statistics and Its Applications, Third Edition*, Prentice-Hall: Upper saddle River, N.J.
- LeSage, J. and R.K. Pace (2009) *Introduction to Spatial Econometrics*, New York: Chapman & Hall:
- Lotwick, H.W. and B.W. Silverman (1982) "Models for analyzing spatial point processes of several types of points", *Journal of the Royal Statistical Society, B*, 44: 406-413

- Martellosio, F. (2012) “The correlation structure of spatial autoregressions”, *Econometric Theory*, 28: 1373–1391
- Meyer, C.D. (2001) *Matrix Analysis and Applied Linear Algebra*, SIAM:Philadelphia
- Mitáš, L. and H. Mitášová (1988) “General variational approach to the interpolation problem”, *Computers & Mathematics with Applications*, 16: 983-992.
- Moler, C. (2004) *Numerical Computing with Matlab*, SIAM: Philadelphia.
- Murphy, J. (2008) “Topological proofs of the Extreme and Intermediated Value Theorems”, Department of Mathematics, University of Chicago, online at: <http://www.math.uchicago.edu/~may/VIGRE/VIGRE2008/REUPapers/Murphy.pdf>
- Müller, W.G. (1999) “Least squares fitting from the variogram cloud”, *Statistics & Probability Letters*, 43:93-98.
- Ord, J.K. (1975) “Estimation methods for models of spatial interaction”, *Journal of the American Statistical Association*, 70: 120-126
- Ord, J.K. and A. Getis (1995) “Local Spatial Autocorrelation Statistics: Distributional Issues and an Application”, *Geographical Analysis*, 27: 286-306.
- Palais, B., R. Palais and R. Rodi (2009). “A disorienting look at Euler's theorem on the axis of a rotation”, *American Mathematical Monthly*, 116 : 892–909.
- Raftery, A.E. (1995) “Bayesian model selection in social research”, *Sociological Methodology*, 25: 111-163
- Ripley, B.D. (1976) “The second-order analysis of stationary point processes”, *Journal of Applied Probability*, 13: 255-266.
- Ripley, B.D. (1977) “Modelling spatial patterns”, *Journal of the Royal Statistical Society, series B*, 39: 172-192.
- Ripley, B.D. (1988) *Statistical Inference for Spatial Processes*, Cambridge University Press: Cambridge, England.
- Ripley, B.D. (1996) *Pattern Recognition and Neural Networks*, Cambridge University Press: Cambridge, England.
- Schabenberger, O. and C.A Gotway (2005) *Statistical Methods for Spatial Data Analysis*, :Boca Raton: Chapman & Hall/CRC
- Searle, S.R. (1971) *Linear Models*, New York: Wiley.

- Searle, S.R. (1982) *Matrix Algebra useful for Statistics*, New York:Wiley.
- Smith, T.E. (2004) “A scale-insensitive test of attraction and repulsion between spatial points patterns”, *Geographical Analysis*, 36:315-331.
- Steger, C. (1996) “On the calculation of moments of polygons”, *Technical Report FGBV-96-04*. Technical University of München, München, Germany.
<http://wwwradig.informatik.tu-muenchen.de/forschung/fgbv>.
- Sternberg, S. (2010) *Dynamical Systems*, Dover: New York.
- Stewart, G.W. (1993) “On the early history of the singular value decomposition”, *SIAM Review*, 35: 551-566.
- Strang, G. (1993) “The fundamental theorem of linear algebra”, *The American Mathematical Monthly*, 100: 848-855.
- Strang, G. (2009) *Introduction to Linear Algebra, 4th Ed.*, Wellesley-Cambridge Press (also downloadable online at http://www.2shared.com/document/HOkhgBnX/Introduction_to_Linear_Algebra.html).
- Strauss, D.J. (1975) “A model for clustering”, *Biometrika*, 62:467-475.
- Tiefelsdorf, M. (2000) *Modelling Spatial Processes*, Springer: Berlin
- Upton, G.G. and B. Fingleton (1985) *Spatial Data Analysis by Example*, Wiley: New York
- Waller, L.A. and C.A.Gotway.(2004) *Applied Spatial Statistics for Public Health Data*, Wiley: New York
- Whittle, P. (1954) “On stationary processes in the plane”, *Biometrika*, 41: 434-439.
- Zhang, X.F, J.C.H. Van Eijkeren, and A.W. Heemink (1995) “On the weighted least-squares method for fitting a semivariogram model”, *Computers & Geosciences*, 4: 605-608.