

# Geographically Weighted Regression: A Reader

## **Classic Citations**

A.S. Fotheringham, C. Brunsdon and M.E. Charlton. 2002. Geographically Weighted Regression: The Analysis of Spatially Varying Relationships Chichester: Wiley, UK. (Price = \$95.00).

A.S. Fotheringham, M.E. Charlton and C. Brunsdon. 1997. Measuring spatial variations in relationships with geographically weighted regression. Pp 60-82 (Chapter 4) in Recent developments in Spatial Analysis M.M. Fischer and A. Getis [Eds.] London, UK: Springer-Verlag.

C. Brunsdon, A.S. Fotheringham and M.E. Charlton. 1996. Geographically weighted regression: a method for exploring spatial non-stationarity. Geographical Analysis 28(4), 281-298.

## **Recent publications**

C. Brunsdon, A.S. Fotheringham, M. Charlton. 2002. Geographically weighted summary statistics: a framework for localized exploratory data analysis. Computers, Environment and Urban Systems 26, 501-524.

Y. Huang and Y. Leung. 2002. Analysing regional industrialization in Jiangsu province using geographically weighted regression. Journal of Geographical Systems 4, 233-249.

A, Paez, T. Uchida and K. Miyamoto. 2002. A general framework for estimation and inference of geographically weighted regression models: 1. Location-specific kernel bandwidth and a test for locational heterogeneity. Environment and Planning A 34, 733-754.

A, Paez, T. Uchida and K. Miyamoto. 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, 883-904.

## **Other publications**

Brunsdon, C., Aitkin, M., Fotheringham, A.S., and Charlton, M.E., A comparison of random coefficient modelling and geographically weighted regression for spatially non-stationary regression problems. Geographical and Environmental Modelling 3(1), 47-62

Brunsdon, C., Fotheringham, A.S., and Charlton, M.E., 1999, Some notes on parametric significance tests for geographically weighted regression. Journal of Regional Science 39(3), 497-524

Fotheringham, A.S., Brunsdon, C., and Charlton, M.E., 1998, Geographically weighted regression: a natural evolution of the expansion method for spatial data analysis Environment and Planning A 30(11), 1905-1927

Brunsdon, C., Fotheringham, A.S., and Charlton, M.E., 1998, Geographically weighted regression - modelling spatial non-stationarity Journal of the Royal Statistical Society, Series D-The Statistician 47(3), 431-443

Brunsdon, C., Fotheringham, A.S., and Charlton, M.E., 1998, Spatial nonstationarity and autoregressive models. Environment and Planning A 30(6), 957-993

Chris Brunsdon, A. Stewart Fotheringham and M.E. Charlton, 1997, "Geographical Instability in Linear Regression Modelling - A Preliminary Investigation" pp 149-158 in New Techniques and Technologies for Statistics II IOS Press: Amsterdam/Oxford/Washington

M.E. Charlton, A. Stewart Fotheringham and C. Brunsdon, 1997. The Geography of Relationships: An Investigation of Spatial Non-Stationarity. Chapter 2, pp 23-47 in Spatial Analysis of Biodemographic Data J-P. Bocquet-Appel, D. Courgeau and D. Pumain (eds.) John Libbey Eurotext: Montrouge.

A. Stewart Fotheringham, M.E. Charlton and C. Brunsdon, 1997, Two Techniques for Exploring Non-stationarity in Geographical Data. Geographical Systems 4: 59-82.

A. Stewart Fotheringham, 1997. Trends in Quantitative Methods I: Stressing the Local. Progress in Human Geography 21: 88-96.