

Geographically Weighted Regression

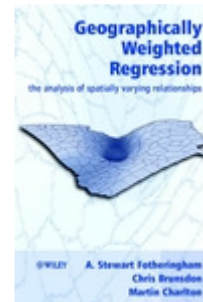
The Analysis of Spatially Varying Relationships

A. Stewart Fotheringham/University of Newcastle, UK

Chris Brunson/University of Newcastle, UK

Martin Charlton/University of Newcastle, UK

Geographical Weighted Regression (GWR) is a new modelling technique for local spatial analysis. This technique allows *local*, as opposed to *global* spatial models to be calibrated and interesting variations in relationships to be measured and mapped.



This is the first and only book on this technique, offering comprehensive coverage on this new 'hot' topic in spatial analysis.

- Provides step-by-step examples of how to use GWR with data sets on issues such as house price determinants, educational attainment levels and health variations.
- Contains a broad discussion of and basic concepts on GWR through to ideas on statistical inference for GWR models
- Uniquely features accompanying author-written software that allows users to undertake sophisticated and complex forms of GWR within a user-friendly, Windows-based, front end – for details visit www.ncl.ac.uk/geography/GWR

Professionals involved in any aspect of spatial data analysis such as those in GIS, governmental agencies, planning departments, environmental agencies, medical research groups and real estate will value this title; as well as researchers in a wide variety of disciplines wherever spatial data are analysed.

ORDER FORM

Please send me ___ copies of

0-471-49616-2 Geographically Weighted Regression £50.00

HOW TO ORDER

Phone your credit card order UK Freefone 0800 243407 Overseas +44 1243 779777

Fax your order form to: +44 (0) 1243 843296

Post your order form to: Customer Service, John Wiley & Sons Ltd, 1 Oldlands Way, Bognor Regis, West Sussex, PO22 9SA, UK

email: customer@wiley.co.uk Please include your postal delivery address.

DELIVERY

Please add the following to your order to cover delivery of your books*

UK customers add £3.00

European customers (both EU and non-EU destinations except the U.K.): Via surface add £4.50, Via air add £10.50.

Non-European export destinations (eg Middle East, Far East etc.): Via surface add \$10.00 (£6.60) Via air \$20.00 (£13.25).

* Delivery will be arranged by John Wiley & Sons Ltd on your behalf via Wiley Distribution Services Ltd. Alternatively you may collect your order by prior arrangement. We can also quote for delivery by courier

(Please email cs-books@wiley.co.uk for details).

HOW TO PAY (Please tick one box only)

Cheque/Payment £_____ enclosed

Payable to John Wiley & Sons Ltd

Please charge my credit/charge card

Mastercard Visa American Express

Diners Club JCB

Card Number / / / / / / / / / / / / / / / /

Expiry Date / / / /

Signature of cardholder _____

Date _____

order not valid unless signed

SEND MY ORDER TO

Title & Name _____

Job Title _____

Department _____

Company/University _____

Address _____

Post/Zip Code _____ Country _____

Tel _____ Fax _____

Email _____

Please give credit card address if different from delivery address.

Purchase order enclosed

Please send me/my company an invoice for prepayment

EU Member states please include your VAT number:

Your Personal Data

The information you have provided will be used by John Wiley & Sons Ltd to fulfil your request. In addition, it may be used to:

Keep you informed of titles and offers of interest to you from Wiley companies worldwide.

Allow reputable 3rd party companies to contact you.

If you do not wish your data to be used in this way, please 'opt out' by ticking where appropriate. If at any time you wish to stop receiving information please contact Debbie Watling (dwatling@wiley.co.uk) at John Wiley & Sons Ltd, Baffins Lane, Chichester, PO19 1UD England.

Email Alerting Service

We offer an information service via Email. If you would like to receive information and offers from John Wiley companies worldwide via Email, simply provide your Email Address.

My Email address is: _____

CONTENTS:

Local Statistics and Local Models for Spatial Data

Geographically Weighted Regression: the Basics

Extensions to the Basic GWR Model

Statistical Inference and Geographically Weighted Regression

GWR and Spatial Autocorrelation

Scale Issues and Geographically Weighted Regression

Geographically Weighted Local Statistics

Extensions of the 'Geographically Weighted' Concept

Software for Geographically Weighted Regression

Summary and Future Research

For further details of this and all related Wiley titles, please visit:

www.wileyeurope.com
or
www.wiley.com