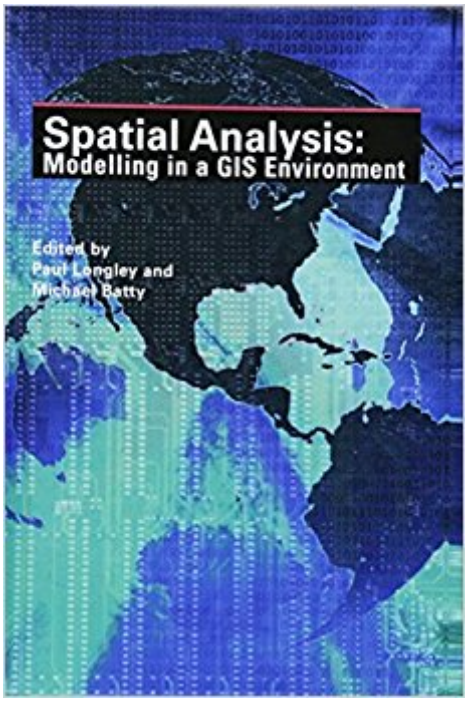
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Spatial Analysis: Modelling In A GIS Environment



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Synopsis

Spatial Analysis: Modelling in a GIS Environment Edited by Paul Longley and Michael Batty Digital data and information are used increasingly by academics, professionals, local authorities, and government departments. Powerful new technologies, such as geographic information systems (GIS), are being developed to analyse such data, and GIS technologies are rapidly becoming part of the emergent world digital infrastructure. This book shows how computer methods of analysis and modelling, built around GIS, can be used to identify ways in which our cities and regions might be better planned and understood. The contributors to this book are all actively involved in research using geographic information systems. This book will be valuable reading for: * Geographers, researchers, and regional analysts * Population theorists and regional economists with interests in large-scale demographic and employment data * Planners and policy-makers who wish to use GIS to improve their decision making * Business analysts who wish to explore markets using the most recent advances in digital spatial data technology * All those interested in geodemographics Paul Longley is Professor of Geography at the Department of Geography, University of Bristol, United Kingdom. Michael Batty is Professor of Spatial Analysis and Planning at the University College London. United Kingdom.

Book Information

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Customer Reviews

This book addresses spatial analysis with an emphasis on the integration of different spatial analysis functions within GIS. It focuses on developing advanced GIS functions in order to achieve

the zenith in spatial analysis functions for problem solving, prediction and forecasting. All of the models and applications in this book stress spatial systems of particular relevance to human geographers and spatial policy analysts. Emphasizes spatial analysis applications with a focus on problem solving in practical cases.

Further reading from GeoInformation International Intelligent GIS: Location Decisions and Strategic Planning Mark Birkin, Lecturer, School of Geography, University of Leeds, UK and Director of Research and Development, GMAP Ltd Graham Clarke, Lecturer, School of Geography, University of Leeds, UK Martin Clarke, Professor of Geographical Modelling, School of Geography, University of Leeds, UK and Managing Director of GMAP Ltd Alan Wilson, Vice Chancellor, University of Leeds, UK GIS for Business and Service Planning Edited by Paul Longley, Professor of Geography, University of Bristol, UK Graham Clarke, Lecturer, School of Geography, University of Leeds, UK Bringing Geographical Information Systems into Business David Grimshaw, Senior Lecturer, School of Computer Studies, University of Leeds, UK International GIS Dictionary Rachael McDonnell, Lecturer in the School of Geography, University of Oxford, UK Karen Kemp, Assistant Director, National Center for Geographic Information and Analysis, University of California, Santa Barbara, USA Getting to Know ArcViewÃ Â® Environmental Systems Research Institute Inc. USA Understanding GIS: The ARC/INFOÃ Â® Method Environmental Systems Research Institute Inc. USA Arc Macro Language: Developing ARC/INFOÃ Â® Menus and Macro with AML™ Environmental Systems Research Institute Inc. USA Transactions in GIS Journal Edited by John R Wilson, Professor of Geography and Director of MSU Geographic Information and Analysis Center, Montana State University, USA A. Stewart Fotheringham, Profossor of Quantitative Geography, Department of Geography, Newcastle upon Tyne, UK Pip Forer, Professor of Geography, Department of Geography, University of Auckland, New Zealand

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