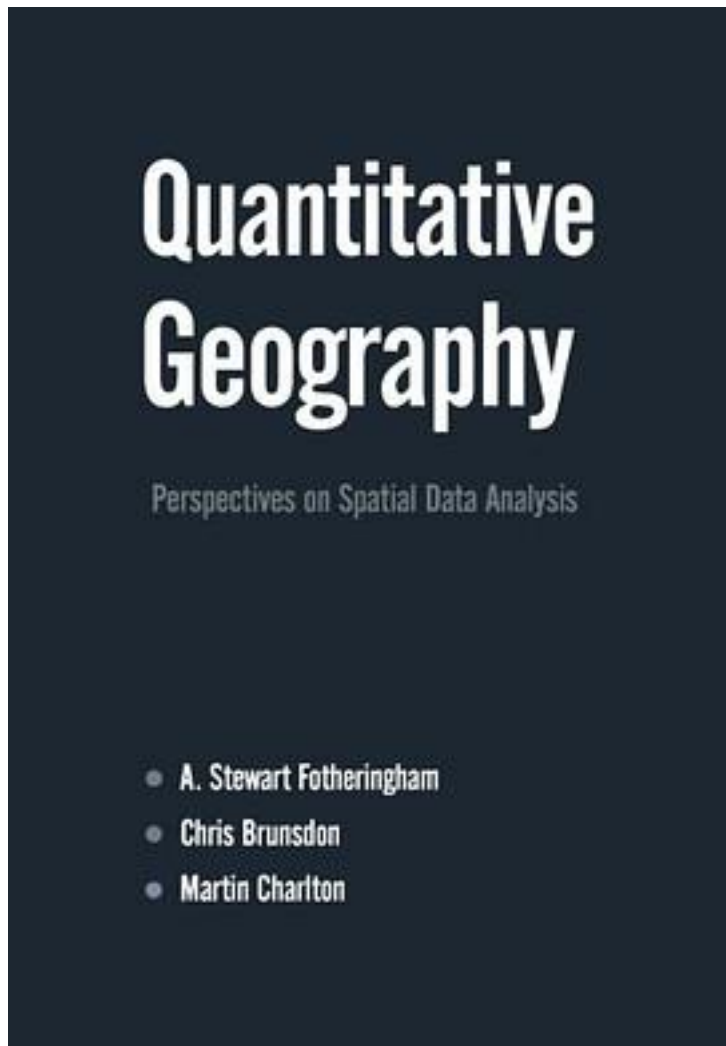# Quantitative Geography

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出版者:SAGE Publications Ltd

出版时间:2000-5-2

装帧:Paperback

isbn:9780761959489

Integrating a discussion of the application of quantitative methods with practical examples, this book explains the philosophy of the new quantitative methodologies and contrasts them with the methods associated with geography's 'Quantitative Revolution' of the 1960s. Key issues discussed include: the nature of modern quantitative geography; spatial data; geographical information systems; visualization; local analysis; point pattern analysis; spatial regression; and statistical inference. Concluding with a review of models used in spatial theory, the authors discuss the current challenges to spatial data analysis. Written to be accessible, to communicate the diversity and excitement of recent thinking, Quantitative Geography will be required reading for students and researchers in any discipline where quantitative methods are used to analyse spatial data. 'This is a veritable tour de force of everything that is exciting about quantitative geography and GIS. It is a timely, thorough and exciting account of the state of the art and science of spatial analysis' - Paul Longley, University of Bristol 'A highly innovative and up-to-date text.It is unique in its coverage of the many developments that have taken place in the field over the past few years. The book is one that is highly readable and stimulating for those with some background in the field, and its expositional style and many examples will make it stimulating to newcomers as well' - Peter Rogerson, State University of New York at Buffalo 'Brings the field thoroughly up to date, integrating modern methods of GIS with a comprehensive and easy-to-read overview of the most recent and powerful techniques of spatial analysis. The book will be valuable to students and researchers in any discipline that seeks to explore or explain phenomena in geographical context, and will make excellent reading for geographers, political scientists, criminologists, anthropologists, geologists, epidemiologists, ecologists, and many others.It offers a spirited challenge to critics of a scientific approach to social science, and demonstrates the value of its subject matter through abundant examples' - Michael Goodchild, National Center for Geographic Information and Analysis, University of California, Santa Barbara 'There is a view within some parts of academic geography that what used to be called "quantitative geography" is dead, having been subsumed within "geographical information systems" or else of no continuing interest. This book should correct this view. First, it shows that quantitative methods have remained an exciting area of development and, second, it shows that, if anything, they have more relevance to substantive problems of interest than they have ever had. Although not specifically about GIS, it is a book that should be read by everyone concerned with the analysis of geographical information' - David Unwin, Birkbeck College, University of London

作者介绍:

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标签

学习

外文

地理学

评论

期末的时候发现要自学一整个学科因为老师啥也没讲而且写出来的论文只肯打及格分简直懵逼到死。。这种讲定量方法的书从来不肯把怎么应用和怎么解释放到一本书里讲也是懵逼到死。。

每次读完都觉得以前自己搞得都是些什么玩意，简直垃圾…当然本书由于不包含案例，但含有大量公式，请文科生三思！主要章节在5～9章，囊括点分析，回归分析，地理模型，bayesian inference和空间交互模型

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书评

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