Spatial Epidemiology: Methods and Applications

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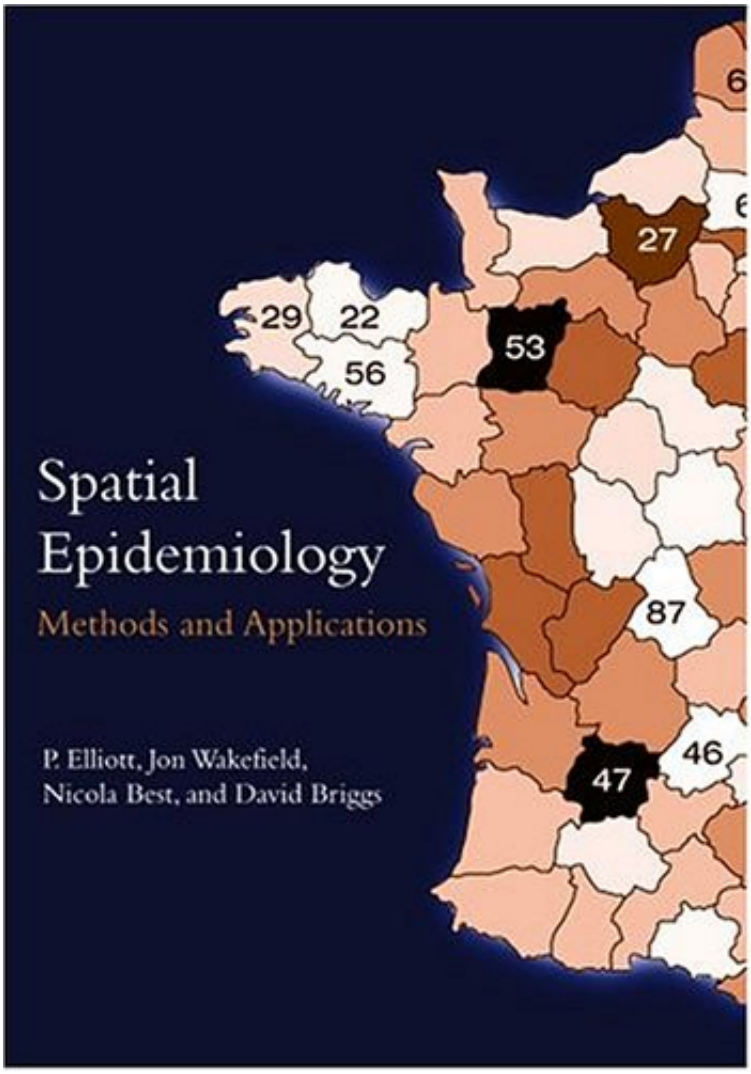

#1133708 in Books 2001-12-15Original language:EnglishPDF # 1 6.30 x 1.10 x 9.10l, 1.83 #File Name: 0198515324475 pages | File size: 52.Mb

From Oxford University Press : Spatial Epidemiology: Methods and Applications before purchasing it in order to gage whether or not it would be worth my time, and all praised Spatial Epidemiology: Methods and Applications:

16 of 16 people found the following review helpful. Great New Spatial Methods Book for EpidemiologyBy Dionne Law"Spatial Epidemiology" mixes practical application with theory to provide a critical review of methods, challenges, issues, strengths, and limitations of spatial analysis in epidemiology. Subsections of the book progress from types of data, to statistical methods, to disease mapping and clustering, then end with exposures and links to health. Each subsection includes at least one chapter presenting spatial analytical theory, one chapter providing an overview of spatial analytical methods, one chapter reviewing a particular spatial analytical method in depth, a chapter

applying a method, and one specialty chapter. Authors have included equations, comprehensive examples from both chronic and infectious diseases, and extensive references to other chapters and other works for each method presented. Earlier chapters provide a thorough background discussion of data issues that will be particularily useful to novices in the field. Statistical chapters assume intermediate or more advanced experience with spatial analysis, however, provide references to background and seminal works that will allow novices to the field to optimize their learning experience. There are several chapters devoted to cluster analysis, Bayesian analysis, and modeling which are particularily useful.Overall, this is a very useful book for researchers at any level of experience with spatial analysis. Although technical terms are used liberally, the overall text is easy to read, clear and concise, serving well as both a teaching text and a reference book.Other useful features:List of abbreviations - very helpful for acronyms; Color maps; Comprehensive index; References - each chapter provides references to other works that provide more detail or background on the method under discussion

This is a new paperback edition of the well received text Spatial Epidemiology: Methods and Applications. It is an easy to read, clear and concise exploration of the field of geographical variations in diseases. Especially with respect to variations in environmental exposures at the small-area scale this book gives an authoriative account of current practice and developments. The recent and rapid expansion of the field looks set to continue in line with growing public, governmental and media concern about environmental and health issues, and the scientific need to understand and explain the effects of environmental pollutants on health.Of interest to epidemiologists, public health pratitioners, statistcians, geographers, environmental scientists and others concerned with understanding the geographical distribution of disease and the effects of environmental exposures on human health. It will be a valuable source for undergraduate and postgraduate courses in epidemiology, medicial geography, biostatistics, environmental health and environmental science as well as a useful source of reference for health policy makers, health economists, regulators and others in the field of environmental health.

from previous edition: "Spatial Epidemiology mixes practical application with theory....a very useful book for researchers at any level of experience with spatial analysis.. ..the overall text is easy to read, clear concise, serving well as both a teaching text and reference book."--Dionne Law, Chapel Hill on .comAbout the AuthorPaul Elliott is a Professor of Epidemiology and Public Health Medicine, Imperial College School of Medicine. Jon Wakefield, Nicola Best, and David Briggs are with in the Small Area Health Statistics Unit, Imperial College School of Medicine.