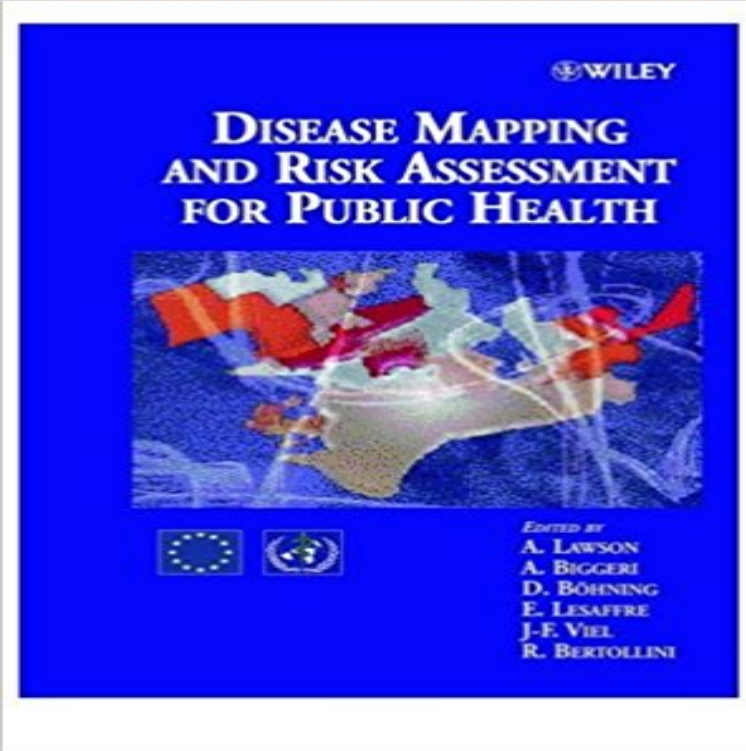


# Disease Mapping and Risk Assessment for Public Health



Offers an in-depth report on advanced statistical tools for public health disease surveillance, which is the result of a prestigious World Health Organisation (WHO) and EU Biomed programme initiative. Traditionally, the role of public health disease surveillance has been to identify and evaluate morbidity and mortality but increasingly, more sophisticated methods are being applied as the authorities extend their studies to include control and prevention of disease. This book brings together leading experts to discuss complex methodologies for the statistical evaluation of disease mapping and risk assessment. It includes a broad variety of statistical techniques and where appropriate, examples are included on topical issues such as the analysis of putative health hazards. For easy reference the text is presented in five distinct sections, each with an introductory review:

- \* Disease Mapping
- \* Clustering of Disease
- \* Ecological Analysis
- \* Risk Assessment for Putative Sources of Hazard
- \* Public Health Applications and Case Studies

Representative of the most pertinent issues within disease surveillance and mapping, this book will provide an accessible overview for statisticians and epidemiologists.

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(1)Department of Epidemiology and Public Health, Imperial College London, London, **The effect of spatial aggregation on performance when mapping a** Keywords: map, spatial, disease, incidence, relative risk, cluster, ecological analysis, clustering, health hazard assessment, and surveillance are all covered. of disease yields insight into etiology of the disease or, in a public health **DISEASE MAPPING AND RISK ASSESSMENT FOR PUBLIC HEALTH** In A. B. Lawson, D. Blohning, E. Lesaffre, A. Biggeri, J.-F. Viel, and R. Bertollini (Eds), Disease Mapping and Risk Assessment for Public Health, Chapter 6, pp. **Disease Mapping - Wiley Online Library** Mar 13, 2015 disease mapping in applications to Public Health and led to an edited volume Disease Mapping and Risk Assessment for Public Health. **ENVR765: Exposure mapping and risk assessment** Mar 13, 2014 Disease risk mapping Distance-based mapping Spatial data of public health, where understanding the epidemiology of

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