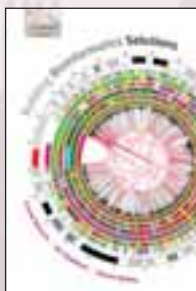


NEW FOR 2008

Building Bioinformatics Solutions

with Perl, R and MySQL

Conrad Bessant, Cranfield University, UK, Ian Shadforth, LifeScan Scotland Ltd., and Darren Oakley, The Wellcome Trust Sanger Institute



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Dirk U. Pfeiffer, Royal Veterinary College, UK, Timothy P. Robinson, Food and Agricultural Organisation of the United Nations, Italy, Mark Stevenson, Massey University, New Zealand, Kim B. Stevens, Royal Veterinary College, UK, David J. Rogers, Oxford University, UK, and Archie C.A. Clements, University of Queensland, Australia



This book provides a user-friendly introduction and guide to the application of spatial analysis and geographical information systems (GIS) in epidemiology—the study of the incidence and distribution of diseases. Used appropriately, spatial analytical methods in conjunction with GIS and remotely sensed data can provide significant insights into the biological patterns and processes that underlie disease transmission.

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Murray Aitkin, University of Melbourne, Australia, Brian Francis, Lancaster University, UK, John Hinde, University of Ireland, Galway, and Ross Darnell, CSIRO Mathematical and Information Sciences, Australia

R is now the most widely used statistical package/language in university statistics departments and many research organisations. Its great advantages are that for many years it has been the leading-edge statistical package/language and that it can be freely downloaded from the R web site. This text provides a comprehensive treatment of the theory of statistical modelling in R with an emphasis on applications to practical problems and an expanded discussion of statistical theory. A wide range of case studies is provided, using the normal, binomial, Poisson, multinomial, gamma, exponential and Weibull distributions, making this book ideal for graduates and research students in applied statistics and a wide range of quantitative disciplines.

Oxford Statistical Science Series No. 35
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Pierluigi Frisco, Herriot Watt University, UK

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Edited by Carsten Wiuf, and Claus L. Andersen, both at the University of Aarhus, Denmark

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