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Edited by N Balakrishnan and CR Rao

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Advances in Remote Sensing and GIS Analysis

Edited by Peter M Atkinson and Nicholas J Tate

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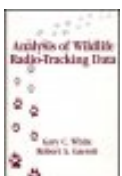
Analysis and Management of Animal Populations

Byron K Williams, Michael J Conroy and James D Nichols

The goal of this important volume is to link management, evaluation, and conservation to modeling, estimation, and decision-making methods. Four major sections review these

817 pages | Figs, tabs | Academic Press
Hbk | 2001 | 0127544062 | #128108 |
£78.00 **£45.99** approx. \$92/€63

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Analysis of Wildlife Radio-Tracking Data

Gary C White and Robert A Garrott

With the advances in miniaturization of electronic components, wildlife biologists now routinely monitor the movements of free-ranging animals with radio-tracking devices.

396 pages | 3 b/w photos figures | Academic Press
Hbk | 1990 | 0127467254 | #007510 |
£58.99 **£33.99** approx. \$68/€47

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Applied Chaos Theory: A Paradigm for Complexity

AB Cambel

246 pages | Illus | Academic Press
Hbk | 1993 | 0121559408 | #035204 |
£43.99 **£25.99** approx. \$52/€36

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Applied GIS and Spatial Analysis

Edited by Graham Clarke and John Stillwell

The first case study driven book to concentrate on commercially sponsored applications of GIS and quantitative geography research, providing a range of global applications

406 pages | Tabs, maps | Wiley
Hbk | 2003 | 0470844094 | #128265 |
£85.00 **£49.99** approx. \$100/€68

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Atomic Spectroscopy in Elemental Analysis

Edited by Michael Cullen

310 pages | Figs, tabs | Blackwell
Hbk | 2003 | 1841273333 | #140524 |
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Basic Statistical Methods and Models for the Sciences

Judah Rosenblatt

Designed to be used in a first course for graduate or upper-level undergraduate students, Basic Statistical Methods and Models builds a practical foundation in the use

282 pages | Figs, tabs | CRC Press
Hbk | 2002 | 158488147X | #128286 |
£33.99 **£19.99** approx. \$40/€28

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Bayesian Methods in Finite Population Sampling

Mary Ghosh and Glen Meeden

Argues that Bayesian ideas should play a more significant role in both the theory and practice of finite population sampling.

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£54.99 **£31.99** approx. \$64/€44

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Bioinformatics

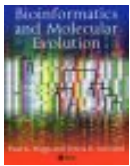
A Practical Guide to the Analysis of Genes and Proteins

AD Baxevanis and BFF Ouellette

This fully revised Third Edition of a world-renowned classic provides a practical guide covering the full scope of key concepts in bioinformatics, from databases to predictive

488 pages | 100 col illus, 25 col tabs | Wiley
Hbk | 2004 | 0471478784 | #149240 |
£47.95 **£27.99** approx. \$56/€38

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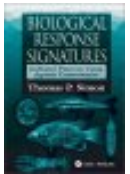
Bioinformatics and Molecular Evolution

Paul G Higgs and Teresa K Attwood

Provides comprehensive coverage of bioinformatics, including sequence analysis, biological databases, pattern recognition, and applications to genomics, microarrays and

365 pages | Figs | Blackwell
Pbk | 2004 | 1405106832 | #147915 |
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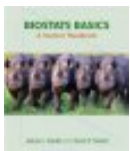
Biological Response Signatures

Indicator Patterns Using Aquatic Communities

Edited by Thomas P Simon

576 pages | Figs, tabs | CRC Press
Hbk | 2002 | 0849309050 | #135336 |
£97.00 **£56.99** approx. \$114/€78

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Biostats Basics: A Student Handbook

JL Gould and GF Gould

Provides an easy and practical reference to the statistical tests needed by researchers in ecology, evolution, and animal behaviour. Information is also provided on

422 pages | Figs, tabs | WH Freeman
Spiralbound | 2001 | 0716734168 |
#129322 | £24.99 **£14.99** approx. \$30/
€21

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Branching Processes in Biology

M Kimmel and DE Axelrod

Biological examples of Branching Processes are introduced from molecular and cellular biology as well as from the fields of human evolution and medicine and discussed in the

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CRC Standard Probability and Statistics Tables and Formulae

Daniel Zwillinger and Stephen Kokoska

Whether you are a statistician, engineer, or businessperson, you need statistics. You want to be able to easily reference tables, find formulas, and know how to use them so

568 pages | Chapman & Hall (CRC Press)
Hbk | 1999 | 1584880597 | #159414 |
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Chance in Biology

Using Probability to Explore Nature

Mark Denny and Steven Gaines

"This is a thoroughly delightful and scholarly tour through the theory and application of probability and statistics in biology. The reader will learn much about

291 pages | Figs, tabs | Princeton UP
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£30.95 **£17.99** approx. \$36/€25

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Experimental Nonlinear Dynamics

JM Cushing, Robert F Costantino, Brian Dennis, Robert A Desharnais et al

From WM Schaffer's foreword: ... these investigators [the authors] produced unequivocal evidence for complex

225 pages | Figs, tabs | Academic Press
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£50.99 **£29.99** approx. \$60/€41

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Classification Methods for Remotely Sensed Data

Paul Mather and Brandt Tso

332 pages | Col plates, b/w plates, figs, tabs | Taylor & Francis
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Classification and Regression Trees

Leo Breiman et al

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Colour of Inland and Coastal Waters

A Methodology for its Interpretation

D Pozdnyakov and H Grabi

Concise description of a comprehensive methodology of water colour interpretation for remote sensing of optically complex waters.

300 pages | 75 illus | Springer
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Community Participation and Geographic Information Systems

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383 pages | B/w photos, figs, tabs | Taylor & Francis
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Computational Statistics Handbook with MATLAB

WL Martinez and AR Martinez

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Hbk | 2002 | 1584882298 | #170592 |
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Computer-based Environmental Management

Ralf Seppelt

This book provides professionals in environmental research and management with the information they need with respect to computer modelling and an understanding of the

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£80.00 **£46.99** approx. \$94/€64

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Concise Handbook of Experimental Methods for the Behavioral and Biological Sciences

Jay E Gould

The handbook is organized into three parts. Part One covers the philosophy of science, forms of scientific research, steps of the scientific method, variables in research

430 pages | Figs, tabs | CRC Press
Pbk | 2001 | 0849311047 | #128285 |
£62.99 **£36.99** approx. \$74/€51

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Cytochemical Staining Methods for Electron Microscopy

P Lewis

322 pages | Elsevier
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DNA Microarrays

Edited by U Nuber

Introduces the reader to the different types of DNA microarrays and their various applications. This book also describes several data analysis methods. It is written for

13 colour illus, 50 b/w line drawings | Taylor & Francis
Pbk | 2005 | 0415358663 | #164589 |
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Data Analysis

A Bayesian Tutorial

Devinderjit Sivia and John Skilling

Statistics lectures have been a source of much bewilderment and frustration for generations of students. This book attempts to remedy the situation by expounding a

256 pages | b/w line drawings | OUP
Hbk | 2006 | 0198568312 | #157190 |
£41.99 **£27.99** approx. \$56/€38

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Pbk | 2006 | 0198568320 | #157189 |
£23.99 approx. \$48/€33

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Data Analysis and Signal Processing in Chromatography

A Felinger

428 pages | Figs | Elsevier
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Data Driven Statistical Methods

Peter Sprent

Provides an insight into the developments in statistical methodology made possible by computing power. Examples highlight the connections between the new techniques as well

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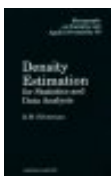


Data, Statistics, and Decision Models with Excel

DL Harnett and JF Horrell

605 pages | Figs | Wiley
Pbk | 1998 | 0471133981 | #120591 |
£80.50 **£46.99** approx. \$94/€64

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Density Estimation for Statistics and Data Analysis

BW Silverman

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(CRC Press)
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Describing Species

Practical Taxonomic Procedure for Biologists

Judith E Winston

There are still millions of undescribed species. New species are often discovered during biological or paleontological studies: yet there is no one source a student or

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Columbia UP
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Design and Analysis of Experiments

Douglas C Montgomery

Thorough guide to statistical methods.

684 pages | Figs, tabs | Wiley
Hbk | 2004 | 047148735X | #172034 |
£83.95 **£48.99** approx. \$98/€67

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Design and Analysis of Experiments

S Ghosh and CR Rao

The purpose of this volume of the Handbook of Statistics is to provide the reader with the state-of-the-art of statistical design and methods of analysis that are available,

1248 pages | Figs, tabs | Elsevier
Hbk | 1996 | 0444820612 | #052487 |
£137.00 **£79.99** approx. \$160/€109

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The Design and Implementation of Geographic Information Systems

John E Harmon and Steven J Anderson

Presents strategies for application development, interface design, and enabling Web-based access, and includes numerous case studies and examples from the private and

264 pages | Tabs, figs | Wiley
Hbk | 2003 | 0471204889 | #136654 |
£50.00 **£28.99** approx. \$58/€40

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Developing Spatial Data Infrastructures

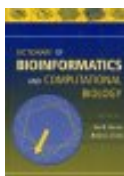
From Concept to Reality

Ian Williamson, Abbas Rajabifard and Mary-Ellen F Feeney

Expert perspectives on SDI theory and practiceThe spatial data infrastructure (SDI) concept continues to evolve and become an increasingly important element of the

338 pages | 75 line drawings, 50 b&w photographs, 25 tables | CRC Press
Hbk | 2003 | 041530265X | #172576 |
£68.99 **£39.99** approx. \$80/€55

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Dictionary of Bioinformatics and Computational Biology

Edited by JM Hancock and MJ Zvelebil

Recent developments in molecular biology, genomics, proteomics, and other areas have produced a wealth of experimental data on sequences and three-dimensional structures of

636 pages | Figs, tabs | Wiley
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£65.95 **£37.99** approx. \$76/€52

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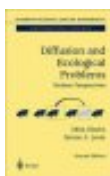


Differential Equations and Mathematical Biology

DS Jones and BD Sleeman

556 pages | illus | CRC Press
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£31.99 **£18.99** approx. \$38/€26

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Diffusion and Ecological Problems

Modern Perspectives

A Okubo and SA Levin

467 pages | Figs, tabs | Springer
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Yves Egels and Michel Kasser

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A Dozen Eggs: Time Lapse Microscopy of Normal Development

Edited by R Fink

Sinauer
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Dynamic Models in Biology

Miklos Farkas

General introduction to modern mathematical methods used in modelling dynamical phenomena of populations. Methods outlined can be applied in solving and understanding

187 pages | Figs | Academic Press
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£54.99 **£31.99** approx. \$64/€44

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The Ecological Detective

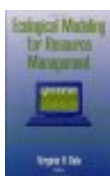
Confronting Models With Data

Ray Hilborn and Marc Mangel

The modern ecologist usually works in both the field and laboratory, uses statistics and computers, and often works with ecological concepts that are model-based, if not

315 pages | 67 figs, 27 tabs | Princeton UP
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Ecological Modelling for Resource Management

Edited by Virginia H Dale

Comprehensive overview of ecological modelling and resource management aiming to close the gap between the state of the art in ecological modeling and the state of the

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Elements of Cartography

AH Robinson, JL Morrison, PC Muehrcke, SC Guptill and AJ Kimerling
Recognized as a classic resource in cartography, this text continues to integrate the latest modern technology with traditional cartographic principles.

690 pages | Col & b/w figs | Wiley
Hbk | 1994 | 0471555797 | #053454 |
£70.50 **£40.99** approx. \$82/€56

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Elements of Mathematical Ecology

Mark Kot
Provides an introduction to classical and modern mathematical models, methods, and issues in population ecology. Part one contains simple, unstructured population models

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£85.00 **£49.99** approx. \$100/€68

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Elsevier's Dictionary of Geographical Information Systems

English-German-French-Russian
B Delijska

350 pages | - | Elsevier
Hbk | 2002 | 0444509917 | #129603 |
£105.00 **£60.99** approx. \$122/€83

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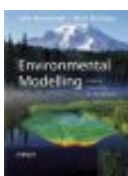


Encyclopedia of Environmetrics

Abdel El Shaarawi and Walter Piegorsch
Comprehensive overview of environmetric research and its applications. Divided into 12 sections, it brings together over 600 detailed articles which include an explanatory

2800 pages | Figs | Wiley
Hbk | 2001 | 0471899976 | #123349 |
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€1463

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Environmental Modelling

Finding Simplicity in Complexity

Edited by John Wainwright and Mark Mulligan
Addresses the development, testing and application of such models, which apply across traditional boundaries, and demonstrate how interactions across these boundaries can be

408 pages | Figs, tabs | Wiley
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Environmental Modelling with GIS and Remote Sensing

Edited by Andrew Skidmore
Details the applications of remote sensing and GIS for environmental modelling and assessment.

268 pages | 25 b/w plates, 50 figs, 25 tabs | Taylor & Francis
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£33.99 **£19.99** approx. \$40/€28

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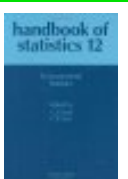


Environmental Monitoring and Characterization

Janick F Artiola, Ian L Pepper and Mark Brusseau
Covers sample collection methods, monitoring terrestrial, aquatic and air environments, and relevant chemical, physical and biological processes and contaminants. The book

410 pages | Col photos, illus, figs, tabs | Academic Press
Hbk | 2004 | 0120644770 | #143763 |
£46.99 **£26.99** approx. \$54/€37

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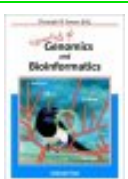


Environmental Statistics

Edited by GP Patil and CR Rao
Environmental statistics is in a take-off stage both for reasons of societal challenge and statistical opportunity. Environmental statistics is increasingly demanding

948 pages | Tabs, figs, graphs | Elsevier
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£138.00 **£80.99** approx. \$162/€110

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Essentials of Genomics and Bioinformatics

Edited by Christoph W Sensen

428 pages | diagrams | Wiley
Pbk | 2002 | 3527305416 | #132968 |
£60.00 **£34.99** approx. \$70/€48

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Exploring Geographic Information Systems

Nicholas Chrisman
Exploration of GIS that expands the discussion beyond the normal input-processing-output sequence. Second edition includes database structure and DBMS.

298 pages | Figs, tabs | Wiley
Pbk | 2001 | 0471427314 | #124224 |
£32.95 **£18.99** approx. \$38/€26

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A First Course in Stochastic Processes

S Karlin and HM Taylor

557 pages | Figs, tabs | Academic Press
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Fluorescence Microscopy of Living Cells in Culture, Part B

Quantitative Fluorescence Microscopy - Imaging and Spectroscopy

Edited by D Lansing Taylor

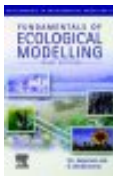
504 pages | B/w photos, figs | Academic Press

Hbk | 1989 | 0125641303 | #020873 |
£108.40 approx. \$216/€147

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Spiralbound | 1989 | 012684755X |
#026177 | £56.95 **£32.99** approx. \$66/
€45

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Fundamentals of Ecological Modelling

SE Jorgensen and G Bendoricchio

The text has been thoroughly revised for the new edition. An overview of the field is provided, as well as guidelines to help the researcher develop her own models.

530 pages | Figs, tabs | Elsevier
Hbk | 2001 | 0080440150 | #127270 |
£127.00 approx. \$253/€173

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Pbk | 2001 | 0080440282 | #127271 |
£59.95 **£34.99** approx. \$70/€48

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Fundamentals of Light Microscopy and Electronic Imaging

D Murphy

368 pages | B/w photos, illus, figs, tabs | Wiley

Hbk | 2001 | 047125391X | #135276 |
£55.50 **£31.99** approx. \$64/€44

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Fundamentals of Spatial Information Systems

R Laurini and D Thompson

690 pages | Illus, figs, tabs | Academic Press

Hbk | 1992 | 0124383807 | #033954 |
£66.99 **£38.99** approx. \$78/€53

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GIS Basics

Stephen Wise

218 pages | 50 figs, 20 tabs | Taylor & Francis

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£60.99 approx. \$122/€83

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Pbk | 2002 | 0415246512 | #129943 |
£25.99 **£14.99** approx. \$30/€21

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GIS Data Sources

Drew Decker

Offers a comprehensive , straightforward reporting on GIS data sources - what they are, how to find them, and how to determine the right source for a given project.

193 pages | - | Wiley

Hbk | 2001 | 0471355054 | #128266 |
£65.00 **£37.99** approx. \$76/€52

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GIS Organisations and People

A Socio-Technical Approach

Derek Reeve and James Petch

214 pages | Figs | Taylor & Francis

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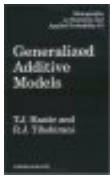
GIS and Multicriteria Decision Analysis

Jacek Malczewski

392 pages | Figs, tabs | Wiley

Hbk | 1999 | 0471329444 | #094181 |
£80.00 **£46.99** approx. \$94/€64

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Generalized Additive Models

TJ Hastie and RJ Tibshirani

335 pages | Figs, tabs | Chapman & Hall (CRC Press)

Hbk | 1990 | 0412343908 | #082716 | £52.99 **£30.99** approx. \$62/€42

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Generalized Linear Models

P McCullagh and JA Nelder

Provides a definitive and unified treatment of methods for the analysis of diverse types of data commonly met in agricultural, biological, health and social sciences.

511 pages | Figs, tabs | Chapman & Hall (CRC Press)

Hbk | 1989 | 0412317605 | #066761 | £56.99 **£32.99** approx. \$66/€45

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Geographic Information Systems

An Introduction

Tor Bernhardsen

Practical, theory-driven overview of GIS that is supported with clear coverage of basic techniques. This treatment enables readers to understand the broad aspects of GIS

428 pages | B/w illus, figs, tabs, maps | Wiley

Hbk | 2002 | 0471419680 | #127745 | £47.50 **£27.99** approx. \$56/€38

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Geographic Information Systems for Geoscientists

Modelling with GIS

Graeme F Bonham-Carter

Describes GIS and its underlying principles, and gives examples from the geological sciences, placing emphasis on the analysis and modelling of spatial data and

398 pages | Figs, tabs, maps | Pergamon Elsevier

Hbk | 1994 | 0080418678 | #032867 | **£72.00** approx. \$144/€98

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Pbk | 1994 | 0080424201 | #049836 | £41.95 **£24.50** approx. \$49/€34

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Geographical Data

Characteristics and Sources

Nigel Walford

Focuses on the principal sources of geographical data and provides a comprehensive overview of their characteristics and analytical capabilities.

274 pages | Tabs, maps | Wiley

Hbk | 2002 | 0471970859 | #128030 | £100.00 **£57.99** approx. \$116/€79

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Geoinformation

Remote Sensing, Photogrammetry and Geographical Information Systems

Gottfried Konecny

Surveying and mapping has recently undergone a transition from discipline-oriented technologies, such as geodesy, surveying, photogrammetry and cartography, to the

248 pages | Col photos, b/w photos, illus, figs, tabs, maps | Routledge

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Geometric Morphometrics for Biologists

Miriam Zelditch, Donald Swiderski, David H Sheets and William Fink

Introductory textbook, written for graduate students and upper division undergraduates, covering both theory of shape analysis and methods of multivariate analysis. It is

443 pages | 100 illus | Academic Press

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Geostatistical Simulations

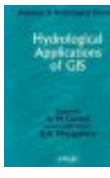
Models and Algorithms

C Lantuejoul

255 pages | Figs, tabs | Springer

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Presents the concepts of imaging spectrometry by discussing the underlying physics and the analytical image processing techniques. The second part of the book presents in

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Integrated Geospatial Technologies

A Guide to GPS, GIS and Data Logging

Jeff Thurston, Thomas K Poiker and J Patrick Moore

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266 pages | Figs, tabs | Wiley
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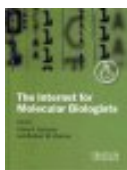
International GIS Dictionary

Edited by Rachael McDonnell and Karen Kemp

This comprehensive geographic information resource provides authoritative definitions for the most commonly used GIS and remote sensing terms and abbreviations. Many of the

111 pages | B/w illus | Wiley
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The Internet for Molecular Biologists

A Practical Approach

Edited by Clare E Sansom and Robert M Horton

Unlike most books that discuss online molecular biology databases which have a bioinformatics bent and some emphasis on algorithms, this volume caters to bench

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Hbk | 1995 | 0412993910 | #043287 |
£44.99 **£25.99** approx. \$52/€36

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Introduction to Design and Analysis

A Student's Handbook

Geoffrey Keppel, William H Saufley and Howard Tokunaga

626 pages | 56 illus, tabs | WH Freeman
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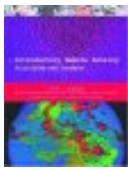
An Introduction to the Bootstrap

B Efron and RJ Tibshirani

An overview of the bootstrap and related methods for assessing statistical accuracy presented by the inventor of the bootstrap and an active researcher in the field.

436 pages | Figs | Chapman & Hall (CRC Press)
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figs, tabs, maps | Routledge
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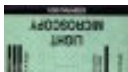
A Spatially Explicit, Dynamic Approach

Edited by M Ruth and B Hannon

The authors demonstrate the entire process of spatial modeling, from the conceptual design, through formal implementation and analysis, to the interpretation and

330 pages | B/w photos, figs | Springer
Hbk | 2003 | 0387008357 | #142546 |
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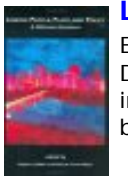
Light Microscopy

CP Rubbi

Contains all the key experimental facts regarding both the equipment and specimen preparation aspects of light microscopy that a researcher needs.

109 pages | Figs, tabs | Wiley
Pbk | 1994 | 0471942707 | #037278 |
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Linking People, Place and Policy: A GIScience Approach

Edited by Stephen J Walsh and Kelley A Crews-Meyer

Describes a breadth of research associated with the study of human-environment interactions, with particular emphasis on land use and land cover dynamics. This book

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Karin Frank et al

Meta-X is a user-friendly computer program that aids users in the performance of a metapopulation viability analysis i.e to assess the extinction risk of (meta) populations

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Analysis of Phylogeny and Character Evolution, Version 4

David R Maddison and Wayne P Maddison

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CD-ROM and 429 page Manual in PDF
Format | Sinauer
CD | 2001 | 0878934707 | #118007 |
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Map Projection Transformation

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Qihe Yang, John P Snyder and Waldo R Tobler

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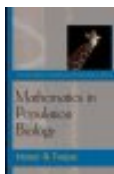


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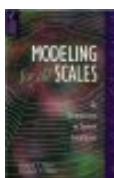
Modeling Dynamic Biological Systems

Edited by Bruce Hannon and Ruth Matthias

Applies methods of computer modelling to real-world phenomena in a wide range of topics from laboratory biology and ecology. The book includes sections on physical and

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Howard Odum and Elizabeth Odum

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David Collett

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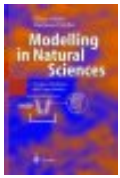


Modelling Scale in Geographic Information Science

Edited by Nicholas J Tate and Peter M Atkinson

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A Handbook for Field Biologists

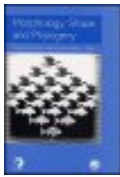
Caryl Elzinga, Dan Salzer, James Willoughby and James Gibbs

Overview of population monitoring, aiming aims to be an accessible introduction to field techniques for measuring important attributes of animal and plant populations. It also

360 pages | Illus, figs, tabs | Blackwell Science

Spiralbound | 2001 | 063204442X |
#116093 | £35.99 **£20.99** approx. \$42/
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Edited by Norman Macleod and Peter Forey

Provides a much needed summary of the interdisciplinary work between biologists and mathematicians who study shape and form of organisms and those who work on evolutionary

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£79.99 **£46.99** approx. \$94/€64

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Jonathon Raper

Focuses on the ways in which GIS could be made 'multidimensional', based on the modelling limitations of current 2D GIS.

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Discusses different areas of multivariate environmental statistics and provide new problems for future research and instruction.

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Ruth Bernstein

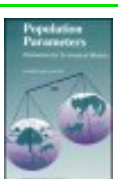
Laboratory manual exploring, by means of computer simulations, the key areas of population dynamics through time. Using simply presented exercises, it teaches the

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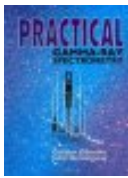
Practical GIS Analysis

David L Verbyla

Practical guide for solving geo-spatial problems which is independent of specific GIS software and hardware. Covers how GIS tools work, and how you they can be used to solve

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Radio Tracking and Animal Populations

Edited by Millspaugh and Marzluff

Succinct synthesis of emerging technologies and their application to the empirical and theoretical problems of animal population assessment. The book is divided into sections

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Hbk | 2001 | 0124977812 | #118385 |
£53.99 **£30.99** approx. \$62/€42

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Remote Sensing Imagery for Natural Resources Monitoring

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David S Wilkie and John T Finn

A practical introduction to the use of remote sensing data, this book focuses on the benefits, limitations, and pitfalls involved in the use of this important tool,

295 pages | 8 pp col insert, 1 photo, 94
figs | Columbia UP
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£25.50 **£14.99** approx. \$30/€21

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Remote Sensing and Urban Analysis

Edited by Jean-Paul Donnay, Michael John Barnsley and Paul A Longley

Outlines a number of methodologies used in the production and analysis of urban remote sensing data.

268 pages | b&w illus | Taylor & Francis
Hbk | 2001 | 0748408606 | #099317 |
£68.99 **£39.99** approx. \$80/€55

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Remote Sensing for Monitoring the Changing Environment of Europe

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Proceedings of a symposium held in Eger, Hungary in 1992.

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Balkema
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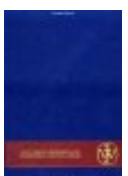
Robust Inference

Edited by GS Maddala and CR Rao

This reference work covers the many aspects of Robust Inference. Much of what is contained in the chapters, written by leading experts in the field, has not been part of

716 pages | Figs, tabs | Elsevier
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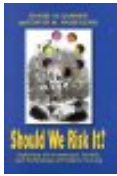


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S Karlin

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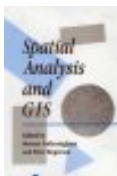
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C Gu

Nonparametric function estimation with stochastic data, otherwise known as smoothing, has been studied by several generations of statisticians. Assisted by the recent

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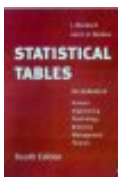
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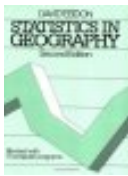
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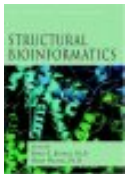
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