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Advanced Distance Sampling

Estimating Abundance of Biological Populations

ST Buckland, DR Anderson, KP Burnham, JL Laake, DL Borchers and L Thomas

This advanced text focuses on the uses of distance sampling to estimate the density and abundance of biological populations. It addresses new methodologies, new technologies

434 pages | numerous line drawings | OUP

Hbk | 2004 | 0198507836 | #152855 |

£65.00 **£37.99** approx. \$55/€43

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Pbk | 2007 | 0199225877 | #164779 |

£24.95 approx. \$36/€28

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Advances in Reliability

Edited by N Balakrishnan and CR Rao

The area of Reliability has become a very important and active area of research.

This is clearly evident from the large body of literature that has been developed in the form of

886 pages | Figs, tabs | Elsevier

Hbk | 2001 | 0444500782 | #120887 |

£122.00 **£71.99** approx. \$104/€81

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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 |

£82.00 **£47.99** approx. \$69/€54

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Analysis of Longitudinal Data

Peter J Diggle, Patrick J Heagerty, Kung-Yee Liang and Scott L Zeger

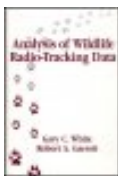
The first edition of Analysis for Longitudinal Data has become a classic. Describing the statistical models and methods for the analysis of longitudinal data, it covers both the

379 pages | diagrams | OUP

Hbk | 2002 | 0198524846 | #156247 |

£55.00 **£32.99** approx. \$48/€37

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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 |

£61.99 **£36.99** approx. \$54/€42

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Analyzing Environmental Data

Walter W Piegorsch and J Bailer

The field of environmental statistics is growing rapidly due to the explosion in automated data collection systems, computing power, interactive, linkable software,

496 pages | Figs, tabs | Wiley

Hbk | 2005 | 0470848367 | #149244 |

£44.99 **£26.99** approx. \$39/€31

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Ant Colony Optimization

Marco Dorigo and Thomas Stutzle

The attempt to develop algorithms inspired by one aspect of ant behaviour, the ability to find what computer scientists would call shortest paths, has become the field of Ant

328 pages | 72 illus | MIT Press

Hbk | 2004 | 0262042193 | #144827 |

£27.95 **£16.99** approx. \$25/€20

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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. \$72/€56

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Applied Longitudinal Data Analysis

Modeling Change and Event Occurrence

Judith D Singer and John B Willett

Change is constant in everyday life. Infants crawl and then walk, children learn to read and write, teenagers mature in myriad ways, the elderly become frail and forgetful. In

644 pages | Figs, tabs | OUP
Hbk | 2003 | 0195152964 | #143384 |
£39.99 **£23.99** approx. \$35/€27

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Applying and Interpreting Statistics: A Comprehensive Guide

G McPherson

This book describes the basis, application, and interpretation of statistics, and presents a wide range of univariate and multivariate statistical methodology. In its

692 pages | Springer
Hbk | 2001 | 0387951105 | #166441 |
£71.00 **£41.99** approx. \$61/€47

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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.

289 pages | Tabs | CRC Press
Hbk | 1997 | 0412987716 | #043284 |
£63.99 **£37.99** approx. \$55/€43

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Bioinformatics

The Machine Learning Approach

Pierre Baldi and Soren Brunak

An unprecedented wealth of data is being generated by genome sequencing projects and other experimental efforts to determine the structure and function of biological

351 pages | 11 col plates, figs | MIT Press
Hbk | 2001 | 026202506X | #124295 |
£41.95 **£24.99** approx. \$36/€28

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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 |
£60.50 **£35.99** approx. \$52/€41

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Bioinformatics and Functional Genomics

Jonathan Pevsner

Provides a broad-based introduction to bioinformatics by following three real-world examples throughout the book: retinol-binding protein, breast cancer, and a calcium

753 pages | Figs, tabs | Wiley
Pbk | 2003 | 0471210048 | #132999 |
£73.50 **£42.99** approx. \$62/€49

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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 |
£37.50 **£21.99** approx. \$32/€25

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Biological Response Signatures

Indicator Patterns Using Aquatic Communities

Edited by Thomas P Simon

The use of environmental assessment procedures within monitoring frameworks demands that there be some relevancy to the decisions that management agencies make using biological

576 pages | Figs, tabs | CRC Press
Hbk | 2002 | 0849309050 | #135336 |
£98.00 **£57.99** approx. \$84/€65

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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 | £27.99 **£16.99** approx. \$25/
€20

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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

230 pages | 54 figs | Springer
Hbk | 2001 | 038795340X | #133377 |
£49.99 **£29.99** approx. \$44/€34

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CRC Handbook of Census Methods for Terrestrial Vertebrates

Edited by David E Davis

Learn how to start a census program for terrestrial vertebrates with this handbook. Whether the information you need is for managing a population, surveying environmental

397 pages | Figs | CRC Press
Hbk | 1982 | 0849329701 | #018021 |
£256.00 **£149.99** approx. \$216/€168

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Cause and Correlation in Biology

A User's Guide to Path Analysis, Structural Equations and Causal Inference

Bill Shipley

Presents a series of statistical methods that can test, and potentially discover, cause-effect relationships between variables in situations in which it is not possible

317 pages | 110 line diagrams, 22 tables | CUP
Pbk | 2002 | 0521529212 | #131711 |
£35.00 **£20.99** approx. \$31/€24

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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
Pbk | 2002 | 0691094942 | #133397 |
£39.95 **£23.99** approx. \$35/€27

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Classification Methods for Remotely Sensed Data

Paul Mather and Brandt Tso

Remote sensing is an integral part of geography, GIS and cartography, used by academics in the field and professionals in all sorts of occupations. The 1990s saw the

332 pages | Col plates, b/w plates, figs, tabs | Taylor & Francis
Pbk | 2001 | 0415259096 | #126538 |
£42.99 **£25.99** approx. \$38/€30

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Coastal and Marine Geo-Information Systems

Applying the Technology to the Environment

David G Green and Stephen D King

Comprises a collection of 40 chapters by experts dealing with the applications of GIS, remote sensing, cartography, visualisation and GPS to coastal and marine environments

596 pages | Figs, tabs, maps | Springer
Hbk | 2003 | 0792356861 | #138527 |
£146.50 **£85.99** approx. \$124/€97

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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
Hbk | 2003 | 3540002006 | #137885 |
£103.00 **£60.99** approx. \$88/€69

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Computational Genomics

Current Methods

Edited by Nikola Stojanovic

Outlines the major issues and techniques that have emerged in genomics and bioinformatics over the last few years. It is aimed at the advanced reader and presents

200 pages | Taylor & Francis
Hbk | 2007 | 1904933300 | #168110 |
£94.50 **£39.99** approx. \$58/€45

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Computer Applications in Geography

PM Mather

Deals with statistics, digital cartography, remote sensing, geographical information systems and simulation models.

270 pages | Figs, tabs | Wiley
Pbk | 1991 | 0471926159 | #053404 |
£85.00 **£49.99** approx. \$72/€56

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Computer Processing of Remotely-Sensed Images

An Introduction

Paul M Mather

Remotely-sensed images of the Earth's surface provide a valuable source of information about the geographical distribution and properties of natural and cultural features.

324 pages | Figs, tabs, maps | Wiley
Pbk | 2005 | 0470849193 | #159651 |
£37.50 **£21.99** approx. \$32/€25

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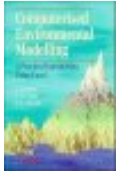
Computer Visualization

Graphics Techniques for Scientific and Engineering Analysis

Edited by RS Gallagher

322 pages | Figs | CRC Press
Hbk | 1995 | 0849390508 | #046012 |
£103.00 **£60.99** approx. \$88/€69

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Computerised Environmental Modelling: A Practical Introduction Using Excel

J Hardisty, DM Taylor and SE Metcalfe

Based on an existing undergraduate course, this is an introduction to the subject which has no need for specific language training.

241 pages | Figs | Wiley
Pbk | 1993 | 047193822X | #027913 |
£60.00 **£35.99** approx. \$52/€41

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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 |
£69.99 **£40.99** approx. \$59/€46

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Cytochemical Staining Methods for Electron Microscopy

P Lewis

322 pages | Elsevier
Pbk | 1992 | 0444893873 | #031172 |
£46.99 **£27.99** approx. \$41/€32

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DNA Microarrays

Edited by Ulrike A 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

299 pages | 13 colour illus, 50 b&w line drawings | Taylor & Francis
Pbk | 2005 | 0415358663 | #164589 |
£42.00 **£24.99** approx. \$36/€28

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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

406 pages | Figs, tabs | CRC Press
Hbk | 1998 | 041279540X | #086913 |
£63.99 **£37.99** approx. \$55/€43

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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

518 pages | 14 b/w photos, 38 illus | Columbia UP
Hbk | 1999 | 0231068247 | #101717 |
£52.95 approx. \$76/€60

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Pbk | 2000 | 0231068255 | #110248 |
£34.50 **£19.99** approx. \$29/€23

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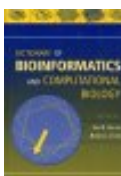
Design and Analysis of Experiments

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. \$115/€90

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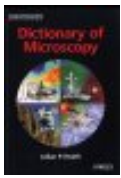
Dictionary of Bioinformatics and Computational Biology

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
Hbk | 2004 | 0471436224 | #152630 |
£83.50 **£48.99** approx. \$71/€55

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Dictionary of Microscopy

JP Heath

Providing concise definitions of over 2,500 terms used in the fields of light microscopy, electron microscopy, scanning probe microscopy, x-ray microscopy and related

358 pages | colour photos | Wiley
Pbk | 2005 | 0470011998 | #165438 |
£32.50 **£18.99** approx. \$28/€22

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Digital Photogrammetry

Yves Egels and Michel Kasser

Photogrammetry is the use of photography for surveying primarily and is used for the production of maps from aerial photographs. Along with remote sensing, it represents the

351 pages | 20 b/w photos, 100 line
illus, 10 tabs | Taylor & Francis
Hbk | 2001 | 0748409440 | #121062 |
£74.99 approx. \$108/€84

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Pbk | 2001 | 0748409459 | #121063 |
£43.99 **£25.99** approx. \$38/€30

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A Dozen Eggs: Time Lapse Microscopy of Normal Development

Edited by R Fink

One of the most exciting aspects of developmental biology is that embryonic morphogenesis is dynamic. This series of video sequences, filmed in research

Sinauer

Video | 1991 | 0878931813 | #049951 |
£63.49 **£37.94** approx. \$55/€43

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Dynamic Modeling for Marine Conservation

Edited by M Ruth and J Lindholm

The effects of disturbed ecosystems, from devastating algal blooms to the loss of whale populations, have demonstrated the vulnerability of the oceans' biodiversity.

449 pages | Figs, tabs | Springer
Hbk | 2002 | 0387953175 | #124967 |
£55.99 **£32.99** approx. \$48/€37

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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

Pbk | 1997 | 0691034974 | #065329 |
£39.95 **£23.99** approx. \$35/€27

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Ecological Experiments: Purpose, Design and Execution

Nelson G Hairston

Stresses the importance to ecology of field experiments where variables are manipulated in order to collect data on specific hypotheses, as opposed to the more passive

384 pages | 48 tables, 72 illus | CUP
Pbk | 1990 | 0521346924 | #006909 |
£38.00 **£22.99** approx. \$33/€26

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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

328 pages | Figs, tabs | Springer
Hbk | 2003 | 0387954937 | #136511 |
£47.99 **£27.99** approx. \$41/€32

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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 |
£93.50 **£54.99** approx. \$79/€62

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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

453 pages | Figs, tabs | CUP
Hbk | 2001 | 052180213X | #118941 |
£90.00 **£52.99** approx. \$77/€60

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Pbk | 2001 | 0521001501 | #118945 |
£39.99 approx. \$58/€45

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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 |
£1875.00 **£1093.99** approx. \$1570/
€1225

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Environmental Modelling

An Introduction

Jo Smith and Peter Smith

The global environment is a complex mix of interlinked processes, about which observation can tell us a great deal. But how can we use current observation to model

180 pages | Figs, tabs | OUP
Pbk | 2007 | 0199272069 | #160376 |
£26.99 **£14.99** approx. \$22/€17

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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
Pbk | 2003 | 0471496189 | #127742 |
£34.95 **£20.99** approx. \$31/€24

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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 |
£48.99 **£28.99** approx. \$42/€33

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Environmental Remote Sensing from Regional to Global Scales

Edited by G Foody and P Curran

A benchmark work on the issues of scale and their implications for environmental remote sensing.

250 pages | Col illus | Wiley
Hbk | 1994 | 0471944343 | #025140 |
£200.00 **£116.99** approx. \$168/€131

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Environmental Statistics

Methods and Applications

Vic Barnett

Provides broad coverage of the methodology used in the statistical investigation of environmental issues.

293 pages | Figs, tabs | Wiley
Hbk | 2004 | 0471489719 | #145887 |
£65.00 **£37.99** approx. \$55/€43

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Essentials of Genomics and Bioinformatics

Edited by Christoph W Sensen

This title provides an overview of the rapidly evolving field of genomics with coverage of nucleic acid technologies, proteomics and bioinformatics. It includes chapters on

428 pages | diagrams | Wiley
Pbk | 2002 | 3527305416 | #132968 |
£70.00 **£40.99** approx. \$59/€46

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Expert Systems and Geographic Information Systems for Impact Assessment

Agustin Rodriguez-Bachiller and John Glasson

This book is aimed at professionals working with Environmental Impact Assessment, GIS and expert-systems professionals and students in these areas.

384 pages | 50 illus, 15 b/w photos | Taylor & Francis
Hbk | 2003 | 0415307244 | #141724 |
£53.99 approx. \$78/€61

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Pbk | 2003 | 0415307252 | #141725 |
£29.99 **£17.99** approx. \$26/€21

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FISH

Barbara Beatty, Sabine Mai and Jeremy Squire

Covers both the theory and application of all the commonly used FISH (Fluorescence In Situ Hybridization) procedures for both the clinical and research service laboratory.

336 pages | Figs, tabs | OUP
Pbk | 2002 | 0199638845 | #129816 |
£65.00 **£37.99** approx. \$55/€43

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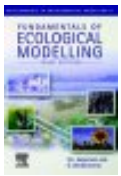
Flow Cytometry for Biotechnology

Larry A Sklar

Flow cytometry is a sensitive and quantitative platform for the measurement of particle fluorescence. In flow cytometry, the particles in a sample flow in single file through a

401 pages | illus | OUP
Hbk | 2005 | 0195183142 | #178598 |
£85.00 **£49.99** approx. \$72/€56

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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 |
£161.00 approx. \$232/€181

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Pbk | 2001 | 0080440282 | #127271 |
£59.95 **£34.99** approx. \$51/€40

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Fundamentals of Light Microscopy and Electronic Imaging

D Murphy

This practical book presents the fundamentals of light microscopy, including the basics of microscope design, image formation, and camera function. Moreover, researchers will

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

Hbk | 2001 | 047125391X | #135276 |
£69.95 **£40.99** approx. \$59/€46

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Fundamentals of Spatial Information Systems

R Laurini and D Thompson

The study and application of spatial information systems have been developed primarily from the use of computers in the geosciences. These systems have the principle functions

690 pages | Illus, figs, tabs | Academic Press

Hbk | 1992 | 0124383807 | #033954 |
£69.99 **£40.99** approx. \$59/€46

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GIS, Environmental Modelling and Engineering

Allan Brimicombe

Focuses on the modelling, rather than on data collection or visualisation and aims to develop critical users of both GIS and environmental models.

312 pages | Illus, 75 figs, 20 tabs | Taylor & Francis

Hbk | 2003 | 0415259223 | #140506 |
£68.99 approx. \$100/€78

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Pbk | 2003 | 0415259231 | #140507 |
£34.99 **£20.99** approx. \$31/€24

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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 |
£105.00 **£61.99** approx. \$89/€70

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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

Hbk | 2004 | 0127784608 | #147375 |
£48.99 **£28.99** approx. \$42/€33

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Guide to Analysis of DNA Microarray Data

S Knudsen

Written for biologists and medical researchers who don't have any special training in data analysis and statistics, "Guide to Analysis of DNA Microarray Data, Second Edition"

126 pages | Illus | Wiley

Pbk | 2004 | 0471656046 | #154323 |
£36.95 **£21.99** approx. \$32/€25

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Hydrological Applications of GIS

Edited by Angela M Gurnell and David R Montgomery

Over the last two decades the dramatic increase in the computer power available to the hydrologist has led to significant developments in the way that hydrological research

176 pages | Illus, figs, tabs | Wiley

Pbk | 2000 | 0471898767 | #108197 |
£105.00 **£61.99** approx. \$89/€70

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Individual-based Modeling and Ecology

Volker Grimm and Steven F Railsback

Individual-based models are an exciting and widely used new tool for ecology. These computational models allow scientists to explore the mechanisms through which population

428 pages | 12 halftones, 34 line illus, 3 tables | Princeton UP

Hbk | 2005 | 0691096651 | #154445 |
£75.00 **£43.99** approx. \$64/€50

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Pbk | 2005 | 069109666X | #154446 |
£39.95 **£23.99** approx. \$35/€27

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Instrumental Element and Multi-Element Analysis of Plant Samples

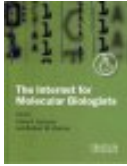
Methods and Applications

Bernd Markert

Presents the key advances that have taken place in a wide range of instrumentation, such as improvements in detection limits, reproducibility and accuracy.

296 pages | Figs, tabs | Wiley
Hbk | 1996 | 0471958654 | #064986 |
£130.00 **£75.99** approx. \$110/€86

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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

249 pages | Figs, tabs | OUP
Hbk | 2004 | 019963887X | #146284 |
£80.00 approx. \$115/€90

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Pbk | 2004 | 0199638888 | #146283 |
£50.00 **£29.99** approx. \$44/€34

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Introduction to Design and Analysis

A Student's Handbook

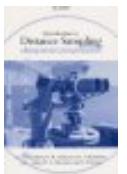
Geoffrey Keppel, William H Saufley and Howard Tokunaga

This text provides undergraduate students with a practical introduction to the design and analysis of experiments, particularly in the social and behavioral sciences. Its

626 pages | Figs, tabs, illus | WH
Freeman

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Introduction to Distance Sampling

Estimating Abundance of Biological Populations

ST Buckland, DR Anderson, KP Burnham, JL Laake, DL Borchers and L Thomas

Updates the 1993 book 'Distance Sampling', which was the first, and until now only book devoted to the topic. The book is aimed at quantitative biologists, wildlife

432 pages | B/w photos, figs, tabs | OUP
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£37.99 **£22.99** approx. \$33/€26

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Introduction to Time Series Analysis and Forecasting

With Applications of SAS and SPSS

Robert Yaffee

Providing a clear explanation of the fundamental theory of time series analysis and forecasting, this book couples theory with applications of two popular statistical

528 pages | Figs, tabs | Academic Press
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£62.99 **£36.99** approx. \$54/€42

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Landscape Simulation Modelling:

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
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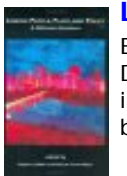
Light Microscopy

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 |
£45.00 **£26.99** approx. \$39/€31

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Linking People, Place and Policy: A GI Science 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

348 pages | Tabs, figs | Kluwer
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£79.00 **£46.99** approx. \$68/€53

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Analysis of Phylogeny and Character Evolution, Version 4

David R Maddison and Wayne P Maddison

Computer program that provides theory and tools for the graphic and interactive analysis of molecular and morphological data, phylogeny, and character evolution.

CD-ROM and 429 page Manual in PDF
Format | Sinauer
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£124.30 **£73.59** approx. \$106/€83

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Managing Geographic Information System Projects

WE Huxhold and G Levinsohn

Seeks to teach students and professionals in land administration and management to solve successfully the issues involved in designing, implementing, and maintaining GIS within

258 pages | 39 line drawings | OUP
Hbk | 1994 | 0195078691 | #035132 |
£48.00 **£28.99** approx. \$42/€33

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A Manual for Wildlife Radio Tagging

RE Kenward

Biologists use animal radio tags for two main purposes: to locate and study animals in the field, and to transmit information about the physiology or behaviour of wild or

222 pages | B/w photos, illus, figs | Academic Press
Hbk | 2000 | 0124042422 | #090285 | £56.99 **£33.99** approx. \$49/€39

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Model Building, Analysis and Interpretation

O Diekmann and JAP Heesterbeek

Provides systematic coverage of the mathematical theory of modelling epidemics in populations, with a clear and coherent discussion of the issues, concepts and phenomena.

303 pages | Figs | Wiley
Pbk | 2000 | 0471492418 | #107089 | £65.00 **£37.99** approx. \$55/€43

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Mathematics in Population Biology

Horst R Thieme

Overview and selected sample of the results and ideas formed from the formulation, analysis, and re-evaluation of mathematical models in population biology. Organized by

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Hbk | 2003 | 0691092907 | #137556 | £82.50 **£48.99** approx. \$71/€55

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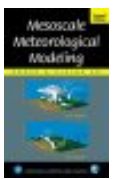
Measurements for Terrestrial Vegetation

CD Bonham

Introduces the four commonly-used measures of vegetation and their associated units and integrates them into a practical statistical variability point of view.

338 pages | Figs, tabs | Wiley
Hbk | 1989 | 0471048801 | #006027 | £149.00 **£86.99** approx. \$125/€98

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Roger A Pielke

The second edition of Mesoscale Meteorological Modeling is a fully revised resource for researchers and practitioners in the growing field of meteorological modeling at the

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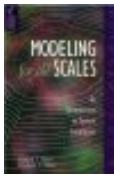
Milestones in Systematics

David M Williams and Peter Forey

Covering historical analyses of the evolution of systematics in the last 100 years, this book covers areas such as the development of the phenetic and cladistic methods of

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Howard Odum and Elizabeth Odum

Introduces various types of modeling and details different modeling simulation software, providing "ready to run" models that span the range of scales for which models have been

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Edited by A Amaro, D Reed and P Soares

Contents include: Forest reality and modelling strategies; Mathematical approaches and reasoning; Estimation processes; Models, validation and decision under uncertainty;

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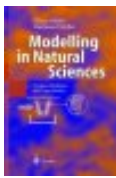
Modelling Scale in Geographic Information Science

Edited by Nicholas J Tate and Peter M Atkinson

This text is concerned with the subject of spatial scale in the context of geographical research using GIS (Geographical Information Systems) and provides an overview of the

277 pages | Figs | Wiley
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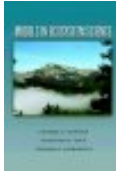
Design, Validation and Case Studies

Tibor Müller and Harmund Müller

Defines modelling in its broadest sense, developing the basic concepts from the twin perspectives of systems analysis and mapping. The first half of the book teaches

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Models in Ecosystem Science

Edited by Charles D Canham, Jonathan J Cole and William K Lauenroth

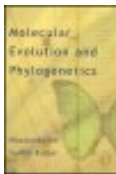
An overview of the status and role of modeling in ecosystem science, including perspectives on the long running debate over the appropriate level of complexity in

476 pages | Figs, tabs | Princeton UP
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Molecular Evolution and Phylogenetics

Masatoshi Nei and Sudhir Kumar

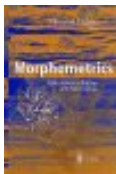
Presents statistical methods that are useful in the study of molecular evolution, and illustrates how to use them in actual data analysis. It is appropriate for graduate

333 pages | Figs, tabs | OUP
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Multidimensional Geographic Information Science

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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Multivariate Environmental Statistics

Edited by GP Patil and CR Fao

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

608 pages | Elsevier
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£137.00 **£79.99** approx. \$115/€90

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Monica Wachowicz

There has been an increasing demand in GIS for systems that support historical data: time-series data as well as mobility information. From a modelling perspective, there

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Taylor & Francis
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T Bossomaier and D Green

The World Wide Web presents many new, exciting prospects for geographic information systems, but also numerous technical, practical and organizational challenges. Users no

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Francis

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Edited by N Balakrishnan and CR Rao

Major theoretical advances were made in this area of research, and in the course of these developments order statistics has also found important applications in many

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W Kemp

This introduction to the application of spectroscopic techniques in organic chemistry presupposes very little foreknowledge in the reader and begins at a level suitable for

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V Barnett and T Lewis

From its initial publication this book has been the standard text on the subject. Since then, there has been a continuing high level of activity, and work has developed in all

530 pages | Wiley
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David Blow

Outline of Crystallography for Biologists is intended for researchers and students in the biological sciences who require an insight into the methods of X-ray crystallography

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D Curtis Jamison

Curtis Jamison's innovative text introduces basic elements of computer science and software engineering in an abbreviated format, building up to a bioinformatics users'

191 pages | - | Wiley
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Phylogenetics

Charles Semple and Mike Steel

This graduate-level book, based on the authors lectures at the University of Canterbury, New Zealand, focuses on the mathematical aspects of phylogenetics. It brings together

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This book provides a detailed introduction to the principles of Doppler and polarimetric radar, focusing in particular on their use in the analysis of weather systems. The

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Population Ecology

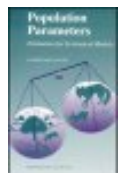
An Introduction to Computer Simulations

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

159 pages | Tabs | Wiley
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Estimation for Ecological Models

Hamish McCallum

Brings together a diverse and scattered literature, to provide clear guidance on how to estimate parameters for models of animal populations. It is not a recipe book of

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Science
Pbk | 1999 | 0865427402 | #099132 |
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Power Analysis for Experimental Research

A Practical Guide for Biological, Medical and Social Sciences

R Barker Bausell and Li Yu-Fang

Provides practising researchers with step-by-step instructions for conducting power/sample size analyses, assuming only basic prior knowledge of summary statistics

363 pages | 6 illus, 38 figs, 189 tables | CUP
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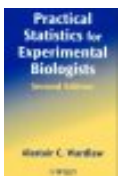


Practical Neural Network Recipes in C++

Timothy Masters

493 pages | Figs | Academic Press
Pbk | 1993 | 0124790402 | #093271 |
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Practical Statistics for Experimental Biologists

Alastair C Wardlaw

Provides biologists with a user-friendly, non-technical introduction to the basics of statistics and includes applications and case studies for use in the laboratory.

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Progress in Environmental Remote Sensing Research and Applications

Proceedings of the 15th EARSeL Symposium, Basel, Switzerland, 4-6 September 1995

Edited by E Parlow

The main themes covered in the symposium on which this book is based were: land applications and environmental monitoring; data calibration, preprocessing and

484 pages | Col plates, b/w photos, figs, tabs | Balkema
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Radioisotopes in Biology

RJ Slater

A comprehensive laboratory manual and reference for using radioactivity safely and effectively in the bioscience laboratory.

307 pages | Figs, tabs | OUP
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Re-Presenting GIS

Edited by David J Unwin

Brings together in one volume the concepts and concerns of both schools of thought and looks at GIS from a theoretical and practical perspective.

224 pages | Wiley
Hbk | 2005 | 0470848472 | #136661 |
£75.00 **£43.99** approx. \$64/€50

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Remote Sensing Imagery for Natural Resources Monitoring

A Guide for First-Time Users

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
Pbk | 1996 | 023107929X | #053294 |
£31.95 **£18.99** approx. \$28/€22

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Remote Sensing for Environmental Data in Albania: A Strategy for Integrated Management

Edited by Manfred F Buchroithner

A comprehensive source book for anybody interested in the potential of remote sensing and GIS technology for the Eastern Europe countries in transition, and less developed

242 pages | Figs, tabs | Kluwer
Hbk | 2000 | 0792365275 | #164704 |
£80.50 approx. \$116/€91

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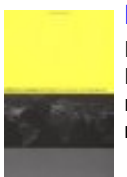
Remote Sensing for Monitoring the Changing Environment of Europe

Edited by P Winkler

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

304 pages | Col plates, figs, tabs | Balkema
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Edited by V Mesev

Remotely Sensed Cities examines how the world's urban areas can be located, measured and analysed using information from the latest airborne and satellite remote sensors,

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Hbk | 2003 | 0415260450 | #159640 |
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Edited by Erica Jen

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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
Hbk | 1997 | 0444821724 | #120882 |
£122.00 **£71.99** approx. \$104/€81

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Sampling Design and Statistical Methods for Environmental Biologists

RH Green

Reviews the principles of inference, sampling and statistical design, and hypothesis formulation, all with special reference to ecological data. Includes an impact study

258 pages | Figs, tabs. | Wiley
Hbk | 1979 | 0471039012 | #014085 |
£106.00 **£61.99** approx. \$89/€70

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Sampling and Statistical Methods for Behavioural Ecologists

Jonathan Bart, Michael A Fligner and William I Notz

Written by a biologist and two statisticians, this book provides a rigorous discussion together with worked examples of statistical concepts and methods that are generally not

330 pages | 38 figs, 11 tabs | CUP
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A Text for Biologists, Materials Scientists and Geologists

Joseph I Goldstein et al

This text provides students as well as practitioners (engineers, technicians, physical and biological scientists, clinicians, and technical managers) with a comprehensive

818 pages | Illus, figs | Kluwer
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£58.00 **£29.99** approx. \$44/€34

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S Karlin

This Second Course continues the development of the theory and applications of stochastic processes as promised in the preface of A First Course. We emphasize a

542 pages | Illus | Academic Press
Hbk | 1981 | 0123986508 | #149971 |
£61.99 **£36.99** approx. \$54/€42

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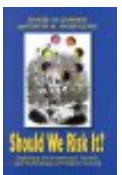
Sensors and Environmental Applications of Remote Sensing

Edited by J Askne

Conference Proceedings. These papers reflect the great strides that are being made towards the everyday use of satellite-derived data.

500 pages | Balkema
Hbk | 1995 | 9054105240 | #041220 |
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Exploring Environmental, Health and Technological Problem Solving

Daniel M Kammen and David M Hassenzahl

Introduces basic and more advanced methods in a clear, evenhanded, and thought-provoking manner with specific reference to: order-of-magnitude estimation, dose-response

404 pages | 82 figs, 77 tabs | Princeton UP

Pbk | 2001 | 0691074577 | #118355 |
£24.95 **£14.99** approx. \$22/€17

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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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A Guide for Ecologists

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The spatial and temporal dimensions of ecological phenomena have always been inherent in the conceptual framework of ecology, but only recently have they been incorporated

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£43.99 approx. \$64/€50

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R Haining

This book describes methods available for the analysis of spatial data. These include data description, map interpolation, and exploratory and explanatory analyses. The book

431 pages | 125 figs, 2 tabs | CUP
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£25.99 **£15.99** approx. \$23/€18

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Spatial Modelling of the Terrestrial Environment

Edited by Richard Kelly

Experts in the field contribute to this book which expressly covers the application of remote sensing data for modelling terrestrial processes. Covers a broad range of topics

320 pages | Figs, tabs | Wiley
Hbk | 2004 | 0470843489 | #136653 |
£85.00 **£49.99** approx. \$72/€56

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Statistical Aspects of Health and the Environment

Edited by Vic Barnett, K Feridum Turkman and Alfred Stein

Proceedings of the 4th SPRUCE Conference (Statistics in Public Resources, Utilities and in the Care of the Environment) which presents current statistical thinking on aspects

404 pages | Figs, tabs, maps | Wiley
Hbk | 1998 | 0471976458 | #085683 |
£195.00 **£113.99** approx. \$164/€128

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Statistical Computing

An Introduction to Data Analysis Using S-Plus

Michael J Crawley

Offers extensive coverage of many basic and more advanced statistical methods, concentrating on graphical inspection, and features step-by-step instructions to help

761 pages | Figs, tabs | Wiley
Hbk | 2002 | 0471560405 | #137043 |
£70.00 **£40.99** approx. \$59/€46

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Statistical Experimental Design and Interpretation

An Introduction with Agricultural Examples

Frances M Seeney and Claire A Collins

Provides a discussion of the types of statistical tests available, and an indication of how to interpret the results of these tests.

274 pages | Figs, tabs | Wiley
Hbk | 1999 | 0471960063 | #083066 |
£150.00 **£87.99** approx. \$127/€99

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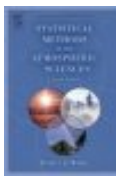
Statistical Methods in Finance

Edited by GS Maddala and CR Rao

A comprehensive reference work for teaching at graduate level and research in empirical finance. The chapters cover a wide range of statistical and probabilistic methods

750 pages | Figs, tabs | Elsevier
Hbk | 1996 | 0444819649 | #120881 |
£124.00 **£72.99** approx. \$105/€82

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Statistical Methods in the Atmospheric Sciences

Daniel S Wilks

This revised text introduces and explains the statistical methods used to describe, analyze, test and forecast atmospheric data. It will be useful to scientists, students,

592 pages | Figs, tabs | Academic Press
Hbk | 1995 | 0127519653 | #041298 |
£59.99 approx. \$87/€68

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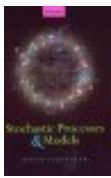
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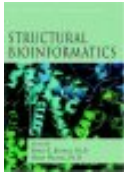
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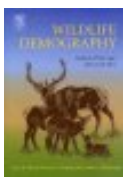
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