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**Biology** Page 2

**Complexity** Page 3

**Differential Equations** Page 3

**Environment** Page 3

**Linear Mathematics** Page 4

**Logic** Page 4

**Mathematics** Page 5

**Matrix Mathematics** Page 6

**Nutshell Series** Page 7

**Physics** Page 7

**Statistics** Page 8

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**System Modeling in Cellular Biology: From Concepts to Nuts and Bolts**

*Zoltan Szallasi, Jorg Stelling and Vipul Periwal*

This comprehensive introduction and overview of system modelling in biology makes the relevant background material from all pertinent fields accessible to researchers with different backgrounds. The emerging area of systems level modelling in cellular biology has lacked a critical and thorough overview. This book fills that gap. It is the first to provide the necessary critical comparison of concepts and approaches, with an emphasis on their possible applications. It presents key concepts and their theoretical background, including the concepts of robustness and modularity and their exploitation to study biological systems; the best-known modelling approaches, and their advantages and disadvantages; lessons from the application of mathematical models to the study of cellular biology; and available modelling tools and datasets, along with their computational limitations.

ABRIDGED CONTENTS: Part I: General Concepts / Part II: Modeling Approaches / Part III: Models and Reality / Part IV: Computational Modeling  
Pbk 464pp 9780262514224 A\$46.95 NZ\$63 2010.03 MIT Press

**Control Theory and Systems Biology**

*Pablo A Iglesias and Brian P Ingalls*

Issues of regulation and control are central to the study of biological and biochemical systems. Thus it is not surprising that the tools of feedback control theory - engineering techniques developed to design and analyse self-regulating systems - have proven useful in the study of these biological mechanisms. Such interdisciplinary work requires knowledge of the results, tools and techniques of another discipline, as well as an understanding of the culture of an unfamiliar research community. This volume attempts to bridge the gap between disciplines by presenting applications of systems and control theory to cell biology that range from surveys of established material to descriptions of new developments in the field.

Hbk 384pp 9780262013345 A\$74 NZ\$98 2009.11 MIT Press

**Learning and Inference in Computational Systems Biology**

*Neil D Lawrence, Mark Girolami, Magnus Rattray and Guido Sanguinetti*

This volume offers state-of-the-art perspectives from computational biology, statistics, modelling, and machine learning on new methodologies for learning and inference in biological networks. The chapters offer practical approaches to biological inference problems ranging from genome-wide inference of genetic regulation to pathway-specific studies. Both deterministic models (based on ordinary differential equations) and stochastic models (which anticipate the increasing availability of data from small populations of cells) are considered. Several chapters emphasise Bayesian inference, so the editors have included an introduction to the philosophy of the Bayesian approach and an overview of current work on Bayesian inference.

Taken together, the methods discussed by the experts in **Learning and Inference in Computational Systems Biology** provide a foundation upon which the next decade of research in systems biology can be built.

Hbk 400pp 9780262013864 A\$67 NZ\$88 2010.02 MIT Press

**Sex Allocation**

*Stuart West*

In this landmark book, Stuart West synthesises the vast literature on sex allocation, providing the conceptual framework the field has been lacking and demonstrating how sex-allocation studies can shed light on broader questions in evolutionary and behavioural biology. West clarifies fundamental misconceptions in the application of theory to empirical data. He examines the field's successes and failures, and describes the research areas where much important work is yet to be done. West reveals how a shared underlying theoretical framework unites findings of sex-ratio variation across a huge range of life forms, from malarial parasites and hermaphroditic worms to sex-changing fish and mammals. He shows how research on sex allocation has been central to many critical questions and controversies in evolutionary and behavioural biology, and he argues that sex-allocation research serves as a key testing ground for different theoretical approaches and can help resolve debates about social evolution, parent-offspring conflict, genomic conflict, and levels of selection.

Certain to become the defining book on the subject for the next generation of researchers, **Sex Allocation** explains why the study of sex allocation provides an ideal model system for advancing our understanding of the constraints on adaptation among all living things in the natural world.  
Pbk 482pp 9780691089645 A\$75 NZ\$99 2009.09 Princeton University Press

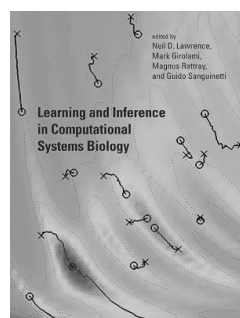
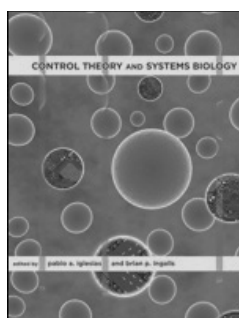
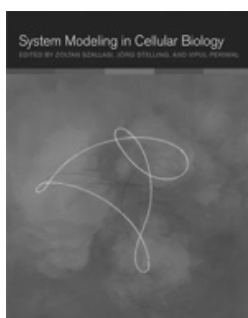
**Biomedical Signal Analysis: Methods and Applications**

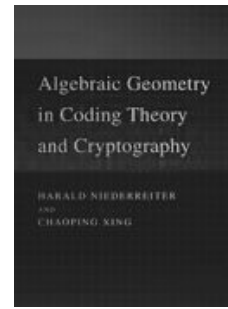
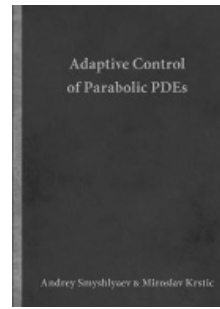
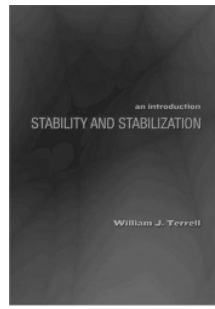
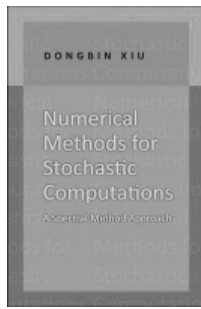
*Fabian J Theis and Anke Meyer-Base*

Many new and powerful instruments for detecting, storing, transmitting, analysing, and displaying images have been developed in recent years, allowing scientists and physicians to obtain quantitative measurements to support scientific hypotheses and medical diagnoses.

This book offers an overview of a range of proven and new methods, discussing both theoretical and practical aspects of biomedical signal analysis and interpretation. After an introduction to the topic and a survey of several processing and imaging techniques, the book describes a broad range of methods, including continuous and discrete Fourier transforms, independent component analysis (ICA), dependent component analysis, neural networks, and fuzzy logic methods.  
Hbk 420pp 9780262013284 A\$96 NZ\$127 2010.04 MIT Press

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## COMPLEXITY

### Numerical Methods for Stochastic Computations: A Spectral Method Approach

Dongbin Xiu

NEW

The first graduate-level textbook to focus on fundamental aspects of numerical methods for stochastic computations, this book describes the class of numerical methods based on generalised polynomial chaos (gPC).

These fast, efficient, and accurate methods are an extension of the classical spectral methods of high-dimensional random spaces. Designed to simulate complex systems subject to random inputs, these methods are widely used in many areas of computer science and engineering. The book introduces polynomial approximation theory and probability theory, describes the basic theory of gPC methods through numerical examples and rigorous development, details the procedure for converting stochastic equations into deterministic ones, using both the Galerkin and collocation approaches, and discusses the distinct differences and challenges arising from high-dimensional problems. The last section is devoted to the application of gPC methods to critical areas such as inverse problems and data assimilation.

**COURSE USE:** This book is suitable for graduate students in stochastic computations.

**ABRIDGED CONTENTS:** Preface / Chapter 1: Introduction / Chapter 2: Basic Concepts of Probability Theory / Chapter 3: Survey of Orthogonal Polynomials and Approximation Theory / Chapter 4: Formulation of Stochastic Systems / Chapter 5: Generalized Polynomial Chaos / Chapter 6: Stochastic Galerkin Method / Chapter 7: Stochastic Collocation Method / Chapter 8: Miscellaneous Topics and Applications / Appendix A: Some Important Orthogonal Polynomials in the Askey Scheme / Appendix B: The Truncated Gaussian Model / References / Index  
Hbk 152pp 9780691142128 A\$69 NZ\$91 2010.08 Princeton University Press

### Diversity and Complexity

Scott E Page

NEW

This book provides an introduction to the role of diversity in complex adaptive systems. A complex system (such as an economy or a tropical ecosystem) consists of interacting adaptive entities that produce dynamic patterns and structures. Diversity plays a different role in a complex system than it does in an equilibrium system, where it often merely produces variation around the mean for performance measures. In complex adaptive systems, diversity makes fundamental contributions to system performance.

Scott Page gives a concise primer on how diversity happens, how it is maintained, and how it affects complex systems. He explains how diversity underpins system level robustness, allowing for multiple responses to external shocks and internal adaptations; how it provides the seeds for large events by creating outliers that fuel tipping points; and how it drives novelty and innovation. Page looks at the different kinds of diversity - variations within and across types, and distinct community compositions and interaction structures - and covers the evolution of diversity within complex systems and the factors that determine the amount of maintained diversity within a system.

Hbk 96pp 9780691137674 A\$23.95 NZ\$29.95 2010.11 Princeton University Press

## DIFFERENTIAL EQUATIONS

### Adaptive Control of Parabolic PDEs

Andrey Smyshlyaev and Miroslav Krstic

This book introduces a comprehensive methodology for adaptive control design of parabolic partial differential equations with unknown functional parameters, including reaction-convection-diffusion systems ubiquitous in chemical, thermal, biomedical, aerospace, and energy systems. Andrey Smyshlyaev and Miroslav Krstic develop explicit feedback laws that do not require real-time solution of Riccati or other algebraic operator-valued equations. The book emphasises stabilisation by boundary control and using boundary sensing for unstable PDE systems with an infinite relative degree. The book also presents a rich collection of methods for system identification of PDEs, methods that employ Lyapunov, passivity, observer-based, swapping-based, gradient and least-squares tools and parameterisations, among others.

**COURSE USE:** This book is suitable for use in graduate courses on distributed parameter systems and adaptive control.

**ABRIDGED CONTENTS:** Preface / Chapter 1. Introduction / Part I: Nonadaptive Controllers / Chapter 2. State Feedback / Chapter 3. Closed-Form Controllers / Chapter 4. Observers / Chapter 5. Output Feedback / Chapter 6. Control of Complex-Valued PDEs / Part II: Adaptive Schemes / Chapter 7. Systemization of Approaches to Adaptive Boundaries Stabilization of PDEs / Chapter 8. Lyapunov-Based Designs / Chapter 9. Certainty Equivalence Design with Passive Identifiers / Chapter 10. Certainty Equivalence Design with Swapping Identifiers / Chapter 11. State Feedback for PDEs with Spatially Varying Coefficients / Chapter 12. Closed-Form Adaptive Output-Feedback Controllers / Chapter 13. Output Feedback for PDEs with Spatially Varying Coefficients / Chapter 14. Inverse Optimal Control / Appendix A / Appendix B / Appendix C / Appendix D / References / Index

Hbk 342pp 9780691142869 A\$88 NZ\$115 2010.06 Princeton University Press

## ENVIRONMENT

### The Global Carbon Cycle

David Archer

NEW

A central question of this book is whether the carbon cycle could once again act to amplify climate change in centuries to come, for example through melting permafrost peatlands and methane hydrates. In this one-of-a-kind primer, David Archer engages readers in clear and simple terms about the many ways the global carbon cycle is woven into our climate system. He begins with a concise overview of the subject, and then looks at the carbon cycle on three different time scales, describing how the cycle interacts with climate in very distinct ways in each. On million-year time scales, feedbacks in the carbon cycle stabilise Earth's climate and oxygen concentrations. Archer explains how on hundred-thousand-year glacial/interglacial time scales, the carbon cycle in the ocean amplifies climate change, and how, on the human time scale of decades, the carbon cycle has been dampening climate change by absorbing fossil-fuel carbon dioxide into the oceans and land biosphere.

Pbk 136pp 9780691144146 A\$38.95 NZ\$51.95 2010.11 Princeton University Press

## From Populations to Ecosystems: Theoretical Foundations for a New Ecological Synthesis

NEW

Michel Loreau

*From Populations to Ecosystems* points the way to a much-needed synthesis in ecology, one that offers a fuller understanding of ecosystem processes in the natural world.

The major subdisciplines of ecology (population ecology, community ecology, ecosystem ecology, and evolutionary ecology) have diverged increasingly in recent decades. What is critically needed today is an integrated, real-world approach to ecology that reflects the interdependency of biodiversity and ecosystem functioning.

*From Populations to Ecosystems* proposes an innovative theoretical synthesis that will enable us to advance our fundamental understanding of ecological systems and help us to respond to today's emerging global ecological crisis. Loreau describes the most recent theoretical advances that link the properties of individual populations to the aggregate properties of communities and the properties of functional groups or trophic levels to the functioning of whole ecosystems, placing special emphasis on the relationship between biodiversity and ecosystem functioning.

Pbk 328pp 9780691122700 A\$73 NZ\$96 2010.07 Princeton University Press

## Surveying Natural Populations: Quantitative Tools for Assessing Biodiversity 2ed

NEW

Lee-Ann C Hayek and Martin A Buzas

For more than a decade, *Surveying Natural Populations* has proven itself as a user-friendly primer to the essential survey methodologies of quantitative field ecology or paleoecology. The first half of *Surveying Natural Populations* teaches the fundamentals of ecological assessment. Employing a single data set throughout, initial chapters guide the uninitiated through such topics as estimating densities, relative abundance, occurrences, and determining adequate sample sizes.

The second half is extensively revised and includes four new chapters on the newest advances in biodiversity measurement. Through the use of information mathematics and decomposition, the relationship of myriad proposed diversity indices is examined mathematically and inappropriate measures are discarded. What remains is a simple, all-encompassing system called SHE analysis, in which species density, richness, information, and evenness are all explicitly related. This information is then integrated into a simple graphic. The plot, called a bio-diversitygram, provides the researcher with a descriptive and inferential tool to assess the biodiversity of any community.

Hbk 624pp 9780231146203 A\$138 NZ\$182 2010.07 Columbia University Press

## An Introduction to Methods and Models in Ecology, Evolution, and Conservation Biology

Stanton Braude and Bobbi S Low

This unique textbook introduces undergraduate students to quantitative models and methods in ecology, behavioural ecology, evolutionary biology, and conservation. It explores the core concepts shared by these related fields using tools and practical skills such as experimental design, generating phylogenies, basic statistical inference, and persuasive grant writing. And contributors use examples from their own cutting-edge research, providing diverse views to engage students and broaden their understanding.

**ANC** ANCILLARY MATERIAL: Restricted instructor's manual available

ABRIDGED CONTENTS: Section I: Evolutionary Biology / Section II: Demography and Population Ecology / Section III: Population Genetics / Section IV: Quantitative Ecological Tools / Section V: Synthetic Exercises and Writing Assignments  
Pbk 288pp 9780691127248 A\$48.95 NZ\$66 2010.01 Princeton University Press

## LINEAR MATHEMATICS

### Linear Systems Theory

NEW

Joao P Hespanha

In this textbook, Joao Hespanha covers the key topics of the field in a unique lecture-style format, making the book easy to use for instructors and students. He looks at system representation, stability, controllability and state feedback, observability and state estimation, and realisation theory.

He provides the background for advanced modern control design techniques and feedback linearisation, and examines advanced foundational topics such as multivariable poles and zeros, and LQG/LQR. The balanced chapters can each be covered in approximately two hours of lecture time, simplifying course planning and student review.

**ANC** ANCILLARY MATERIAL: Restricted instructor's manual available

ABRIDGED CONTENTS: Part I: System Representation / Part II: Stability / Part III: Controllability And State Feedback / Part IV: Observability And Output Feedback / Part V: Poles And Zeros Of MIMO Systems / Part VI: Lqr/Lqg Optimal Control  
Hbk 280pp 9780691140216 A\$94 NZ\$123 2010.07 Princeton University Press

## LOGIC

### Modal Logic for Open Minds

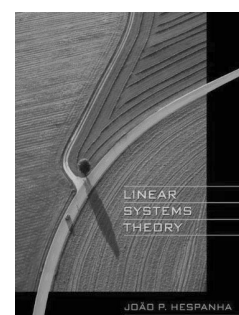
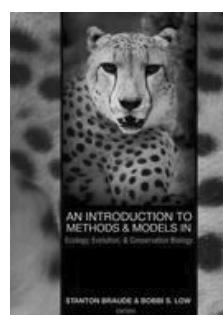
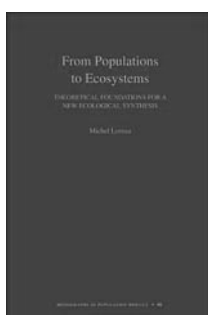
Johan van Benthem

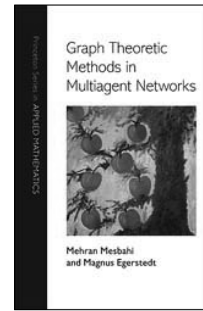
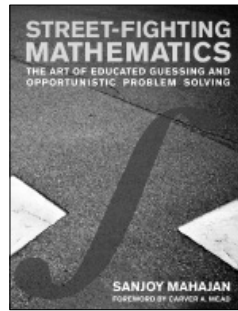
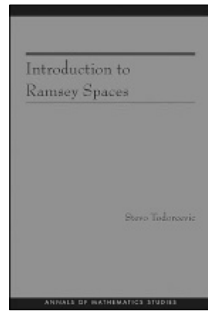
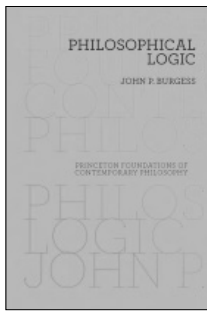
In *Modal Logic for Open Minds*, Johan van Benthem provides an introduction to the field of modal logic, outlining its major ideas and exploring the numerous ways in which various academic fields have adopted it. Van Benthem begins with the basic theories of modal logic, examining its relationship to language, semantics, bisimulation, and axiomatics and then covers more advanced topics, such as expressive power, computational complexity and intelligent agency.

COURSE USE: This book is suitable for undergraduate and graduate students in philosophy, computer science, symbolic systems, cognitive science, and linguistics.

Pbk 350pp 9781575865980 A\$49.95 NZ\$67 2010.04 University of Chicago Press

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## Philosophical Logic

John P Burgess

**Philosophical Logic** is a clear and concise critical survey of non-classical logics of philosophical interest written by one of the world's leading authorities on the subject.

After giving an overview of classical logic, John Burgess introduces five central branches of non-classical logic (temporal, modal, conditional, relevantistic, and intuitionistic), focusing on the sometimes problematic relationship between formal apparatus and intuitive motivation. Requiring minimal background and arranged to make the more technical material optional, the book offers a choice between an overview and in-depth study, and it balances the philosophical and technical aspects of the subject. **Philosophical Logic** addresses students new to logic, philosophers working in other areas, and specialists in logic, providing both a sophisticated introduction and a new synthesis.

Hbk 168pp 9780691137896 A\$34.95 NZ\$44.95 2009.07 Princeton University Press

## Street-Fighting Mathematics: The Art of Educated Guessing and Opportunistic Problem Solving

Sanjoy Mahajan

This engaging book is an antidote to the rigor mortis brought on by too much mathematical rigour, teaching us how to guess answers without needing a proof or an exact calculation.

In **Street-Fighting Mathematics**, Sanjoy Mahajan builds, sharpens, and demonstrates tools for educated guessing and opportunistic problem solving across diverse fields of knowledge from mathematics to management. Mahajan describes six tools: dimensional analysis, easy cases, lumping, picture proofs, successive approximation, and reasoning by analogy. Illustrating each tool with numerous examples, he carefully separates the tool - the general principle - from the particular application so that the reader can most easily grasp the tool itself to use on problems of particular interest.

**COURSE USE:** COURSE USE: This book will suit students ranging from first-year undergraduates to graduate students ready for careers in physics, mathematics, management, electrical engineering, computer science, and biology.

**ABRIDGED CONTENTS:** Foreword / Preface / 1. Dimensions / 2. Easy cases / 3. Lumping / 4. Pictorial proofs / 5. Taking out the big part / 6. Analogy / Bibliography / Index

Pbk 152pp 9780262514293 A\$39.95 NZ\$51.95 2010.03 MIT Press

## Graph Theoretic Methods in Multiagent Networks

Mehran Mesbahi and Magnus Egerstedt

This accessible book provides an introduction to the analysis and design of dynamic multiagent networks. The book's three sections look at foundations, multiagent networks, and networks as systems. The authors give an overview of important ideas from graph theory, followed by a detailed account of the agreement protocol and its various extensions, including the behaviour of the protocol over undirected, directed, switching, and random networks. They cover topics such as formation control, coverage, distributed estimation, social networks, and games over networks. And they explore intriguing aspects of viewing networks as systems, by making these networks amenable to control-theoretic analysis and automatic synthesis, by monitoring their dynamic evolution, and by examining higher-order interaction models in terms of simplicial complexes and their applications.

**ABRIDGED CONTENTS:** Preface / Notation / Part 1. Foundations / Chapter 1. Introduction / Chapter 2. Graph Theory / Chapter 3. The Agreement Protocol: Part I-The Static Case / Chapter 4. The Agreement Protocol: Part II-Lyapunov and LaSalle / Chapter 5. Probabilistic Analysis of Networks and Protocols / Part 2. Multiagent Networks / Chapter 6. Formation Control / Chapter 7. Mobile Robots / Chapter 8. Distributed Estimation / Chapter 9. Social Networks, Epidemics, and Games / Part 3. Networks as Systems / Chapter 10. Agreement with Inputs and Outputs / Chapter 11. Synthesis of Networks / Chapter 12. Dynamic Graph Processes / Chapter 13. Higher-order Networks / Appendix A. / A.1 Analysis / A.2 Matrix Theory / A.3 Control Theory / A.4 Probability / A.5 Optimization and Games / Bibliography / Index

Hbk 420pp 9780691140612 A\$81 NZ\$107 2010.08 Princeton University Press

## MATHEMATICS

### Introduction to Ramsey Spaces (AM-174)

Stevo Todorcevic

NEW

**Introduction to Ramsey Spaces** presents in a systematic way a method for building higher-dimensional Ramsey spaces from basic one-dimensional principles. It is the first book-length treatment of this area of Ramsey theory, and emphasises applications for related and surrounding fields of mathematics, such as set theory, combinatorics, real and functional analysis, and topology. In order to facilitate accessibility, the book gives the method in its axiomatic form with examples that cover many important parts of Ramsey theory both finite and infinite.

**COURSE USE:** COURSE USE: This book will be of use to graduate students working in mathematical subdisciplines requiring the mastery and practice of high-dimensional Ramsey theory.

Pbk 296pp 9780691145426 A\$72 NZ\$95 2010.07 Princeton University Press

### Understanding Mathematics 2ed

Keith Gregson

NEW

Mathematics is essential to the work of scientists, engineers, and a whole host of other professions, but it can be difficult for non-mathematicians to master. Gregson explains the fundamentals behind mathematical relationships and working with equations and teaches readers how to craft estimates. Using examples from the environmental and life sciences, individual chapters cover powers and logarithms, calculus, probability and statistics, and matrix algebra. Gregson also explains how to solve iterative problems, laying the groundwork to go from solving simple equations to calculating answers to real world problems.

Pbk 144pp 9780801897023 A\$39.95 NZ\$53.95 2010.07 Johns Hopkins University Press

## Probability, Markov Chains, Queues, and Simulation: The Mathematical Basis of Performance Modelling

William J Stewart

The textbook looks at the fundamentals of probability theory, from the basic concepts of set-based probability, through probability distributions, to bounds, limit theorems, and the laws of large numbers. Discrete and continuous-time Markov chains are analysed from a theoretical and computational point of view. Topics include the Chapman-Kolmogorov equations; irreducibility; the potential, fundamental, and reachability matrices; random walk problems; reversibility; renewal processes; and the numerical computation of stationary and transient distributions. Each chapter of the textbook concludes with an extensive set of exercises.

**COURSE USE:** This book is suitable for graduate and advanced undergraduate students in mathematics and statistics.

**ANC** ANCILLARY MATERIAL: Restricted instructor's manual available

ABRIDGED CONTENTS: Part I: Probability / Part II: Markov Chains / Part III: Queueing Models / Part IV: Simulation

Hbk 776pp 9780691140629 A\$134 NZ\$178 2009.07 Princeton University Press

## MATRIX MATHEMATICS

### Log-Gases and Random Matrices

Peter J Forrester

OZ NEW

This is the first textbook development of both nonsymmetric and symmetric Jack polynomial theory. Random matrix theory, both as an application and as a theory, has evolved rapidly over the past fifteen years. *Log-Gases and Random Matrices* gives a comprehensive account of these developments, emphasising log-gases as a physical picture and heuristic, as well as covering topics such as beta ensembles and Jack polynomials.

Peter Forrester develops not only the application and theory of Gaussian and circular ensembles of classical random matrix theory, but also of the Laguerre and Jacobi ensembles, and their beta extensions. Prominence is given to the computation of a multitude of Jacobians; the Selberg integral; Painleve transcendents; macroscopic electrostatics and asymptotic formulas; nonintersecting paths and models in statistical mechanics and applications of random matrix theory. The author provides hundreds of guided exercises and linked topics, making *Log-Gases and Random Matrices* a learning resource for students in the field.

ABRIDGED CONTENTS: Preface / Chapter 1. Gaussian matrix ensembles / Chapter 2. Circular ensembles / Chapter 3. Laguerre and Jacobi ensembles / Chapter 4. The Selberg integral / Chapter 5. Correlation functions at  $\beta = 2$  / Chapter 6. Correlation functions at  $\beta = 1$  and  $4$  / Chapter 7. Scaled limits at  $\beta = 1, 2$  and  $4$  / Chapter 8. Eigenvalue probabilities— Painleve systems approach / Chapter 9. Eigenvalue probabilities— Fredholm determinant approach / Chapter 10. Lattice paths and growth models / Chapter 11. The Calogero–Sutherland model / Chapter 12. Jack polynomials / Chapter 13. Correlations for general  $\beta$  / Chapter 14. Fluctuation formulas and universal behavior of correlations / Chapter 15. The two-dimensional one-component plasma / Bibliography / Index

Hbk 808pp 9780691128290 A\$162 NZ\$214 2010.07 Princeton University Press

## Matrix Mathematics: Theory, Facts and Formulas 2ed

Denis S Bernstein

When first published in 2005, *Matrix Mathematics* quickly became the essential reference book for users of matrices in all branches of engineering, science, and applied mathematics. In this fully updated and expanded edition, the author brings together the latest results on matrix theory to make this the most complete, current, and easy-to-use book on matrixes.

ABRIDGED CONTENTS: Chapter 1: Preliminaries / Chapter 2: Basic Matrix Properties / Chapter 3: Matrix Classes and Transformations / Chapter 4: Polynomial Matrices and Rational Transfer Functions / Chapter 5: Matrix Decompositions / Chapter 6: Generalized Inverses / Chapter 7: Kronecker and Schur Algebra / Chapter 8: Positive-Semidefinite Matrices / Chapter 9: Norms / Chapter 10: Functions of Matrices and Their Derivatives / Chapter 11: The Matrix Exponential and Stability Theory / Chapter 12: Linear Systems and Control Theory

Pbk 1184pp 9780691140391 A\$126 NZ\$169 2009.07 Princeton University Press

## Matrix Computations and Semiseparable Matrices: Volume 1 - Linear Systems

Raf Vandebril, Marc Van Barel and Nicola Mastronardi

In recent years several new classes of matrices have been discovered and their structure exploited to design fast and accurate algorithms. In this work, Raf Vandebril, Marc Van Barel, and Nicola Mastronardi present the first comprehensive overview of the mathematical and numerical properties of the family's newest member: semiseparable matrices.

The text is divided into three parts. The first provides some historical background and introduces concepts and definitions concerning structured rank matrices. The second offers some traditional methods for solving systems of equations involving the basic subclasses of these matrices. The third section discusses structured rank matrices in a broader context, presents algorithms for solving higher-order structured rank matrices, and examines hybrid variants such as block quasiseparable matrices. An accessible case study clearly demonstrates the general topic of each new concept discussed. Many of the routines featured are implemented in Matlab and can be downloaded from the Web for further exploration.

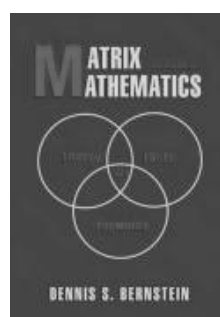
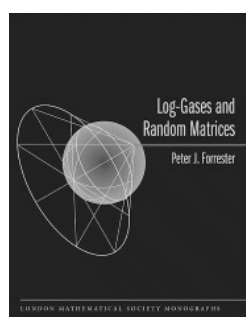
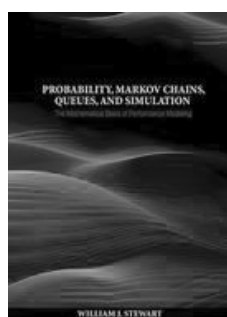
Hbk 584pp 9780801887147 A\$122 NZ\$162 2007.12 Johns Hopkins University Press

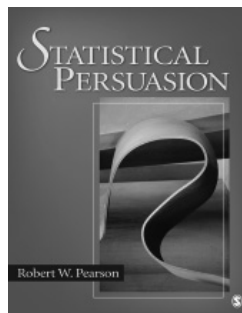
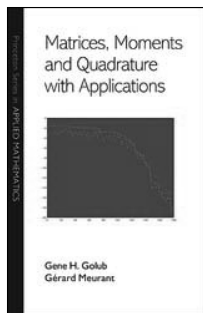
## Matrix Computations and Semiseparable Matrices: Volume 2 - Eigenvalue and Singular Value Methods

Raf Vandebril, Marc Van Barel, and Nicola Mastronardi

In volume 2 the authors discuss the theory of structured eigenvalue and singular value computations for semiseparable matrices. These matrices have hidden properties that allow the development of efficient methods and algorithms to accurately compute the matrix eigenvalues. This thorough analysis of semiseparable matrices explains their theoretical underpinnings and contains a wealth of information on implementing them in practice.

Hbk 520pp 9780801890529 A\$123 NZ\$159 2008.11 Johns Hopkins University Press





## Matrices, Moments, and Quadrature with Applications

Gene Golub and Gerard Meurant

NEW

This computationally oriented book describes and explains the mathematical relationships among matrices, moments, orthogonal polynomials, quadrature rules, and the Lanczos and conjugate gradient algorithms. The book bridges different mathematical areas to obtain algorithms to estimate bilinear forms involving two vectors and a function of the matrix. The first part of the book provides the necessary mathematical background and explains the theory. The second part describes the applications and gives numerical examples of the algorithms and techniques developed in the first part. This book will interest researchers in numerical linear algebra and matrix computations, as well as scientists and engineers working on problems involving computation of bilinear forms.

ABRIDGED CONTENTS: Part 1: Theory / Chapter 1: Introduction / Chapter 2: Orthogonal Polynomials / Chapter 3: Properties of Tridiagonal Matrices / Chapter 4: The Lanczos and Conjugate Gradient Algorithms / Chapter 5: Computation of the Jacobi Matrices / Chapter 6: Gauss Quadrature / Chapter 7: Bounds for Bilinear Forms / Chapter 8: Extensions to Nonsymmetric Matrices / Chapter 9: Solving Secular Equations / Part 2: Applications / Chapter 10: Examples of Gauss Quadrature Rules / Chapter 11: Bounds and Estimates for Elements of Functions of Matrices / Chapter 12: Estimates of Norms of Errors in the Conjugate Gradient Algorithm / Chapter 13: Least Squares Problems / Chapter 14: Total Least Squares / Chapter 15: Discrete Ill-Posed Problems  
Hbk 376pp 9780691143415 A\$103 NZ\$135 2010.07 Princeton University Press

## NUTSHELL SERIES

### Quantum Field Theory in a Nutshell 2ed

A Zee

Since it was first published, *Quantum Field Theory in a Nutshell* has quickly established itself as the most accessible and comprehensive introduction to this profound and deeply fascinating area of theoretical physics. Now in this fully revised and expanded edition, Zee covers the latest advances while providing a solid conceptual foundation for students to build on, making this the most up-to-date and modern textbook on quantum field theory available. This expanded edition features several additional chapters, as well as an entirely new section describing recent developments in quantum field theory such as gravitational waves, the helicity spinor formalism, on-shell gluon scattering, recursion relations for amplitudes with complex momenta, and the hidden connection between Yang-Mills theory and Einstein gravity.

ABRIDGED CONTENTS: Part I: Motivation and Foundation / Part II: Dirac and the Spinor / Part III: Renormalization and Gauge Invariance / Part IV: Symmetry and Symmetry Breaking / Part V: Field Theory and Collective Phenomena / Part VI: Field Theory and Condensed Matter / Part VII: Grand Unification / Part VIII: Gravity and Beyond  
Hbk 576pp 9780691140346 A\$107 NZ\$141 2010.02 Princeton University Press

## Condensed Matter in a Nutshell

Gerald D Mahan

NEW

*Condensed Matter in a Nutshell* is the most concise, accessible, and self-contained introduction to this exciting and cutting-edge area of modern physics. This premier textbook covers all the standard topics, including crystal structures, energy bands, phonons, optical properties, ferroelectricity, superconductivity, and magnetism. It includes in-depth discussions of transport theory, nanoscience, and semiconductors, and also features the latest experimental advances in this fast-developing field, such as high-temperature superconductivity, the quantum Hall effect, graphene, nanotubes, localisation, Hubbard models, density functional theory, phonon focusing, and Kapitza resistance.

ANC

ANCILLARY MATERIAL: Solutions Manual available to adopters

COURSE USE: This book is suitable as a complete resource for a two-semester graduate course in condensed matter and material physics.

Hbk 592pp 9780691140162 A\$122 NZ\$161 2010.10 Princeton University Press

## PHYSICS

### Physics and Technology for Future Presidents: An Introduction to the Essential Physics Every World Leader Needs to Know

Richard R Muller

How practical are alternative energy sources? Can satellites really read license plates from space? And how much should we fear a terrorist nuke? *Physics and Technology for Future Presidents* contains the essential physics that students need in order to understand today's core science and technology issues, and to become the next generation of world leaders. From the physics of energy to climate change, and from spy technology to quantum computers, this is the only textbook to focus on the modern physics affecting the decisions of political leaders and CEOs and, consequently, the lives of every citizen. Based on Richard Muller's renowned course at Berkeley, the book explores critical physics topics: energy and power, atoms and heat, gravity and space, nuclei and radioactivity, chain reactions and atomic bombs, electricity and magnetism, waves, light, invisible light, climate change, quantum physics, and relativity. Muller includes chapter summaries, essay and discussion questions, Internet research topics, and handy tips for instructors to make the classroom experience more rewarding; giving students the scientific fluency they need to become well-rounded leaders in a world driven by science and technology.

ANC

ANCILLARY MATERIAL: Solutions Manual available to adopters

ABRIDGED CONTENTS: Preface / Physics Is the Liberal Arts of High-Tech / An Ideal Student / Physics for the Future Leader / Chapter 1: Energy and Power and the Physics of Explosions / Chapter 2: Atoms and Heat / Chapter 3: Gravity, Force, and Space / Chapter 4: Nuclei and Radioactivity / Chapter 5: Chain Reactions, Nuclear Reactors, and Atomic Bombs / Chapter 6: Electricity and Magnetism / Chapter 7: Waves Including UFOs, Earthquakes, and Music / Chapter 8: Light / Chapter 9: Invisible Light / Chapter 10: Climate Change / Chapter 11: Quantum Physics / Chapter 12: Relativity / Chapter 13: The Universe / Epilogue (a poem) / Index

Hbk 532pp 9780691135045 A\$83 NZ\$109 2010.05 Princeton University Press

## How Did the First Stars and Galaxies Form?

Abraham Loeb

Though astrophysicists have developed a theoretical framework for understanding how the first stars and galaxies formed, only now are we able to begin testing those theories with actual observations of the very distant, early universe. This book covers all the basic concepts in cosmology, drawing on insights from an astronomer who has pioneered much of this research over the past two decades.

Abraham Loeb starts from first principles, tracing the theoretical foundations of cosmology and carefully explaining the physics behind them. Topics include the gravitational growth of perturbations in an expanding universe, the abundance and properties of dark matter halos and galaxies, reionisation, the observational methods used to detect the earliest galaxies and probe the diffuse gas between them - and much more. Cosmology seeks to solve the fundamental mystery of our cosmic origins. This book offers a succinct and accessible primer at a time when breathtaking technological advances promise a wealth of new observational data on the first stars and galaxies.

ABRIDGED CONTENTS: Preface / Chapter 1: Prologue: The Big Picture / Chapter 2: Standard Cosmological Model / Chapter 3: The First Gas Clouds / Chapter 4: The First Stars and Black Holes / Chapter 5: The Reionization of Cosmic Hydrogen by the First Galaxies / Chapter 6: Observing the First Galaxies / Chapter 7: Imaging the Diffuse Fog of Cosmic Hydrogen / Chapter 8: Epilogue: From Our Galaxy's Past to Its Future / Appendix: Useful Numbers / Notes / Recommended Further Reading / Glossary / Index Pbk 216pp 9780691145167 A\$39.95 NZ\$53.95 2010.06 Princeton University Press

## Statistical and Thermal Physics: With Computer Applications

Harvey Gould and Jan Tobochnik

NEW

This textbook carefully develops the main ideas and techniques of statistical and thermal physics. **Statistical and Thermal Physics** begins with a qualitative discussion of the relation between the macroscopic and microscopic worlds and incorporates computer simulations throughout the book to provide concrete examples of important conceptual ideas. Unlike many contemporary texts on thermal physics, this book presents thermodynamic reasoning as an independent way of thinking about macroscopic systems. Probability concepts and techniques are introduced, including topics that are useful for understanding how probability and statistics are used. Magnetism and the Ising model are considered in greater depth than in most undergraduate texts and ideal quantum gases are treated within a uniform framework.

COURSE USE: The book is suitable for upper-level undergraduate courses and undergraduates and beginning graduate students.

**ANC** ANCILLARY MATERIAL: Solutions Manual available to adopters

ABRIDGED CONTENTS: Preface / Chapter 1: From Microscopic to Macroscopic Behavior / Chapter 2: Thermodynamic Concepts and Processes / Chapter 3: Concepts of Probability / Chapter 4: The Methodology of Statistical Mechanics / Chapter 5: Magnetic Systems / Chapter 6: Many-Particle Systems / Chapter 7: The Chemical Potential and Phase Equilibria / Chapter 8: Classical Gases and Liquids / Chapter 9: Critical Phenomena: Landau Theory and the Renormalization Group Method / Appendix: Physical Constants and Mathematical Relations / Index Hbk 532pp 9780691137445 A\$119 NZ\$159 2010.08 Princeton University Press

## Exoplanet Atmospheres: Physical Processes

Sara Seager

NEW

Over the past twenty years, astronomers have identified hundreds of extrasolar planets and recent research in this burgeoning field has made it possible to observe and measure the atmospheres of these exoplanets. This is the first textbook to describe the basic physical processes (including radiative transfer, molecular absorption, and chemical processes) common to all planetary atmospheres, as well as the transit, eclipse, and thermal phase variation observations that are unique to exoplanets.

In each chapter Sara Seager offers a conceptual introduction with examples that combine the relevant physics equations with real data, and exercises. Topics range from foundational knowledge, such as the origin of atmospheric composition and planetary spectra, to more advanced concepts, such as solutions to the radiative transfer equation, polarisation, and molecular and condensate opacities. Since planets vary widely in their atmospheric properties, Seager emphasises the major physical processes that govern all planetary atmospheres. Moving from first principles to cutting-edge research, **Exoplanet Atmospheres** is an ideal resource for students and researchers in astronomy and earth sciences, one that will help prepare them for the next generation of planetary science.

Pbk 256pp 9780691146454 A\$71 NZ\$94 2010.08 Princeton University Press

## STATISTICS

## Practical Statistics: A Quick and Easy Guide to SPSS, STATA, and Other Statistical Software

David Kremelberg

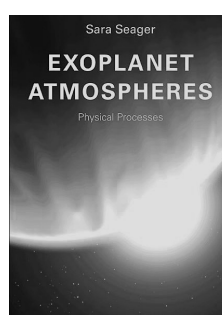
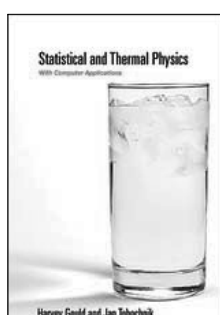
This book provides readers with step-by-step guidance on running a wide variety of statistical analyses in SPSS, Stata, and other programs. Author David Kremelberg begins his user-friendly text by covering charts and graphs through regression, time-series analysis, and factor analysis.

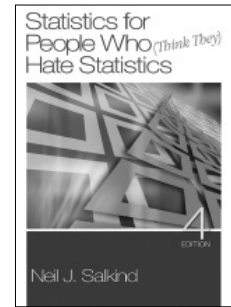
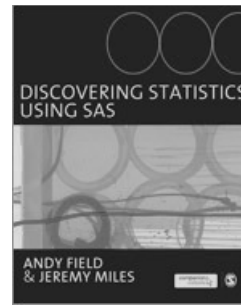
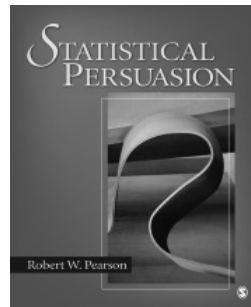
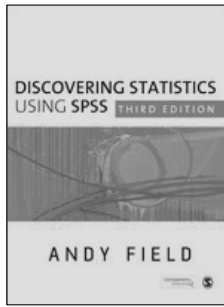
COURSE USE: This book is suitable for upper-level undergraduate and graduate students across the social and behavioural sciences.

**ANC** ANCILLARY MATERIAL: Companion Website

ABRIDGED CONTENTS: Chapter 1: An Introduction to Statistics & Quantitative Methods / Chapter 2: An Introduction to SPSS and Stata / Chapter 3: Descriptive Statistics / Chapter 4: Pearson's  $r$ , Chi-square, t-Test, and ANOVA / Chapter 5: Linear Regression / Chapter 6: Logistic, Ordered, Multinomial, Negative Binomial, and Poisson Regression / Chapter 7: Factor Analysis / Chapter 8: Time-Series Analysis / Chapter 9: Hierarchical Linear Modeling / Chapter 10: Structural Equation Modeling Pbk 528pp 9781412974943 A\$65 NZ\$87 2010.03 Sage Publications Inc

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## Discovering Statistics Using SPSS 3ed

Andy Field

Andy Field's writing style has won him many plaudits and an award from the British Psychological Society (2007), for his irreplaceable *Discovering Statistics Using SPSS*. The Third Edition is now even more accessible to introductory students at the very beginning of their statistical journey taking them from very basic to advanced level concepts.

### KEY FEATURES:

- New chapter on Multilevel Modelling to strengthen its use for advanced level students
- Incorporates playful "real world" examples to go alongside those made up by the author
- Gives new features and characters designed to offer reassurance to those new to statistics, as well as direction for those who wish to advance their knowledge further

**COURSE USE:** This book is suitable for students taking statistics modules as part of their undergraduate or postgraduate degrees in psychology, business and management, health and other social science subjects

**ANC** ANCILLARY MATERIAL: Companion Website

**ABRIDGED CONTENTS:** Preface / Why is my Evil Lecturer Forcing me to Learn Statistics? / Everything You Ever Wanted to Know About Statistics (Well, Sort of) / The SPSS Environment / Exploring Data With Graphs / Exploring Assumptions / Correlation / Regression / Logistic Regression / Comparing Two Means / Comparing Several Means: ANOVA (GLM 1) / Analysis Of Covariance, ANCOVA (GLM 2) / Factorial ANOVA (GLM 3) / Repeated Measures Designs (GLM 4) / Fixed Design ANOVA (GLM 5) / Nonparametric Tests / Multivariate Analysis Of Variance (MANOVA) / Exploratory Factor Analysis / Categorical Data / Multilevel Linear Models Pbk 856pp 9781847879073 A\$107 NZ\$139 2009.03 Sage Publications Ltd

## Discovering Statistics Using SPSS, 3ed Bundle (incl SPSS CD Version 17.0)

Andy Field

This book comes packaged with an 18 month licence for the Student Version of SPSS 17.0. Fully revised and restructured, this new edition now takes students through from introductory to advanced level concepts, all the while grounding knowledge through the use of SPSS. Andy Field's writing style and the book's host of characters make the journey entertaining as well as educational.

**ANC** ANCILLARY MATERIAL: Companion Website

Pbk 856pp 9781412977524 A\$125 NZ\$165 2009.06 Sage Publications Ltd

## Discovering Statistics Using SAS

Andy Field and Jeremy Miles

Hot on the heels of the 3rd edition of Andy Field's award-winning *Discovering Statistics Using SPSS* comes this brand new version for students using SAS®. Andy has teamed up with a co-author, Jeremy Miles, to adapt the book with all the most up-to-date commands and programming language from SAS® 9.2. If you're using SAS®, this is the only book on statistics that you will need! The book provides a comprehensive collection of statistical methods, tests and procedures, covering everything you're likely to need to know for your course, all presented in Andy's accessible and humorous writing style.

**ANC** ANCILLARY MATERIAL: Companion website

**CONTENTS:** Why Is My Evil Lecturer Forcing Me To Learn Statistics? / Everything You Ever Wanted To Know About Statistics (Well, Sort Of) / The SAS Environment / Exploring Data with Graphs / Exploring Assumptions / Correlation / Regression / Logistic Regression / Comparing Two Means / Comparing Several Means: ANOVA (GLM 1) / Analysis of Covariance, ANCOVA (GLM 2) / Factorial ANOVA (GLM 3) / Repeated Measures Designs (GLM 4) / Mixed Design ANOVA (GLM 5) / Nonparametric Tests / Multivariate Analysis of Variance (MANOVA) / Exploratory Factor Analysis / Categorical Data / Multilevel Linear Models / Epilogue: Life After Discovering Statistics Pbk 752pp 9781849200929 A\$107 NZ\$143 2010.02 Sage Publications Ltd

## Statistics for People Who (Think They) Hate Statistics 4ed

Neil J Salkind

NEW

This text teaches an often intimidating and difficult subject in a way that is informative, personable, and clear. Author Neil J Salkind takes students through various statistical procedures, beginning with correlation and graphical representation of data and ending with inferential techniques and analysis of variance. In addition, the text covers SPSS, and includes reviews of more advanced techniques, such as reliability, validity, introductory non-parametric statistics, and more. Pedagogical features include sidebars offering additional technical information about the topics presented and points that reinforce major themes in the book.

**CONTENTS:** Part I. Yippee! I'm in Statistics / Chapter 1. Statistics or Sadistics? It's Up to You / Part II. Sigma Freud and Descriptive Statistics / Chapter 2. Means to an End: Computing and Understanding Averages / Chapter 3. Vive la Différence: Understanding Variability / Chapter 4. A Picture Really Is Worth a Thousand Words / Chapter 5. Ice Cream and Crime: Computing Correlation Coefficients / Chapter 6. Just the Truth: An Introduction to Understanding Reliability and Validity / Part III. Taking Chances for Fun and Profit / Chapter 7. Hypotheticals and You: Testing Your Questions / Chapter 8. Are Your Curves Normal? Probability and Why It Counts / Part IV. Significantly Different: Using Inferential Statistics / Chapter 9. Significantly Significant: What It Means for You and Me / Chapter 10. Only The Lonely: The One Sample Z test / Chapter 11. t(ea) for Two: Tests Between the Means of Different Groups / Chapter 12. t(ea) for Two (Again): Tests Between the Means of Related Groups / Chapter 13. Two Groups Too Many? Try Analysis of Variance / Chapter 14. Two Too Many Factors: Factorial Analysis of Variance / Chapter 15. Cousins or Just Good Friends? Testing Relationships Using the Correlation Coefficient / Chapter 16. Predicting Who'll Win the Super Bowl: Using Linear Regression / Chapter 17. What to Do When You're Not Normal: Chi-Square and Some Other Nonparametric Tests / Chapter 18. Some Other (Important) Statistical Procedures You Should Know About / Chapter 19. A Statistical Software Sampler / Part V. Ten Things You'll Want to Know and Remember / Chapter 20. The Ten (or More) Best Internet Sites for Statistics Stuff / Chapter 21. The Ten Commandments of Data Collection Pbk 416pp 9781412979597 A\$93 NZ\$122 2010.09 Sage Publications Inc

## Starting Statistics: A Short, Clear Guide

Neil Burdess

OZ

**Starting Statistics: A Short, Clear Guide** is an accessible, humorous and easy introduction to statistics for social science students. In this refreshing book, experienced author and academic Neil Burdess shows that statistics are not the result of some mysterious "black magic", but rather the result of some very basic arithmetic. Getting rid of confusing x's and y's, he shows that it's the intellectual questions that come before and after the calculations that are important. **Starting Statistics: A Short, Clear Guide** aims to help students make sense of the logic of statistics and to decide how best to use statistics to analyse their own data. What's more, it is not reliant on students having access to any particular kind of statistical software package.

**COURSE USE:** Suitable for student in the social sciences doing a statistics course.

**ABRIDGED CONTENTS:** Measurement / Introducing measurement / Measuring numbers / Measuring categories / Standardisation / Introducing standardisation / Standardising categories / Standardising numbers / Correlations / Introducing correlations / Correlations between categories / Correlations between numbers / Sampling and estimation / Introducing sampling / Estimating numbers / Estimating categories / Hypotheses / Introducing hypotheses / Hypotheses about categories / Hypotheses about numbers / Hypotheses about numbers and categories  
Pbk 200pp 9781849200981 A\$45.95 NZ\$59.95 2010.02 Sage Publications Ltd

## Statistics Alive! 2ed

Wendy J Steinberg

NEW

Based on years of first-hand teaching experience, Wendy J Steinberg has created **Statistics Alive!**, the most user-friendly statistics text for students in the social and behavioural sciences, now in its Second Edition. She believes that this audience can master basic statistics - especially the mechanics and the underlying logic of hypothesis testing - by employing a conceptual, modular approach without dumbing down the presentation. While this textbook includes must-have topics such as frequency distributions, hypothesis formation, and inferential statistics and bivariate regression, it also includes concepts of sampling error, significant differences, and Type 1 and Type 2 errors throughout. Also, effect size and power, often short-changed in other textbooks, each get substantive treatment. Students are well prepared for a next course in statistics.

**ANC** ANCILLARY MATERIAL: Companion Website

Pbk 656pp 9781412979504 A\$131 NZ\$173 2010.07 Sage Publications Inc

## Principles and Practice of Structural Equation Modeling 3ed

Rex B Kline

NEW

This bestselling text provides a balance between the technical and practical aspects of structural equation modelling (SEM). Using clear and accessible language, Rex B Kline covers core techniques, potential pitfalls, and applications across the behavioural and social sciences. Some more advanced topics are also covered, including estimation of interactive effects of latent variables and multilevel SEM.

**ANC** ANCILLARY MATERIAL: Companion Website

**COURSE USE:** This book is suitable as a text for graduate-level courses in structural equation modelling, multivariate statistics, advanced quantitative methods, or research methodology.

Pbk 427pp 9781606238769 A\$89 NZ\$118 2010.08 Guilford Publications Inc

## Making Sense of Statistical Methods in Social Research

Keming Yang

**Making Sense of Statistical Methods in Social Research** is a critical introduction to the use of statistical methods in social research. It provides a unique approach to statistics that concentrates on helping social researchers think about the conceptual basis for the statistical methods they're using. The limited statistical knowledge that students gain from straight forward 'how-to' books makes it very hard for students to move beyond introductory statistics courses to postgraduate study and research. This book should help to bridge this gap.

**CONTENTS:** The position of statistical methods in social research / From sample to population: the logic of statistical inference / Concepts, variables, and cases / Estimating and measuring one important thing / Representing relations with graphs and numbers / What can linear regression models do for us? / Time matters / Case-oriented methods / Multivariate statistical methods on categorical data / The Social Researcher's Toolbox / References / Index

Pbk 216pp 9781847872876 A\$58.95 NZ\$77 2010.03 Sage Publications Ltd

## Bare-bones R: A Brief Introductory Guide

Thomas P Hogan

This text provides a practical, hands-on introduction to the elements of R and R Commander. Assuming no background in computer programming, author Thomas P Hogan guides the novice in using these valuable tools for statistical analysis. The book walks the reader through steps for downloading and then works through examples of basic statistical processing.

**KEY FEATURES:**

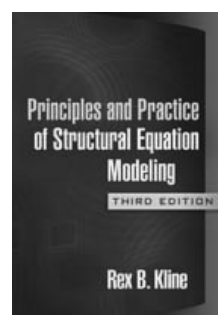
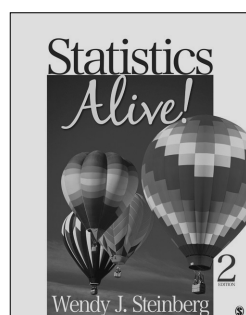
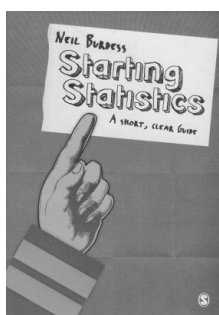
- "Base R" covered including downloading, creating data sets, using R functions, and R graphics
- R Commander information includes downloading, inputting data, statistical analysis, and graphing
- The author demonstrates how to import and export data or files, using add-on packages, and annotated references for further skill development

**ANC** ANCILLARY MATERIAL: Companion Website

**ABRIDGED CONTENTS:** Part 1: Base R / Part 2: R Commander / Part 3: Some Other Stuff

Pbk 96pp 9781412980418 A\$42.95 NZ\$55.95 2009.11 Sage Publications Inc

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| 9780691122045              | Critical Transitions in Nature and Society   | SCHEFFER      | 2009.07  | \$76.00                | \$99.00               | Pbk     |
| 9780262062824              | Combinatorics of Genome Rearrangements   | FERTIN        | 2009.08  | \$69.00                | \$89.00               | Hbk     |
| 9780801447990              | Biological Systematics: Principles and Applications 2ed  | SCHUH         | 2009.08  | \$97.00                | \$127.00              | Hbk     |
| 9780226562261              | Biology's First Law: The Tendency for Diversity and Complexity to Increase in Evolutionary Systems | MCSHEA        | 2010.07  | \$32.95                | \$43.95               | Pbk     |
| <b>Environment</b>         |  |               |          |                        |                       |         |
| 9781608714131              | Global Environmental Issues: Selections from CQ Researcher   | CQ RESEARCHER | 2010.05  | \$66.00                | \$87.00               | Pbk     |
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| 9781572304840              | Elementary Statistics for Geographers 3ed  | BURT          | 2009.04  | \$146.00               | \$193.00              | Hbk     |
| <b>Mathematics</b>         |  |               |          |                        |                       |         |
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| 9780691130880              | Calculus Lifesaver: All the Tools You Need to Excel at Calculus                                    | BANNER        | 2007.03  | \$49.95                | \$69.00               | Pbk OZ  |
| 9780691102887              | Algebraic Geometry in Coding Theory and Cryptography   | NIEDERREITER  | 2009.09  | \$71.00                | \$94.00               | Hbk     |
| <b>Physics</b>             |  |               |          |                        |                       |         |
| 9780691137131              | Quantum Mechanics in a Nutshell  | MAHAN         | 2008.12  | \$63.00                | \$83.00               | Hbk     |
| <b>Quantitative</b>        |  |               |          |                        |                       |         |
| 9781848600034              | Statistical Methods for Geography: A Student's Guide 3ed   | ROGERSON      | 2010.01  | \$67.00                | \$89.00               | Pbk ANC |
| 9781412971652              | Fractal Analysis   | BROWN         | 2010.04  | \$29.95                | \$38.95               | Pbk     |
| 9781433808760              | Secondary Data Analysis: An Introduction for Psychologists   | KALI          | 2010.09  | \$104.00               | \$135.00              | Hbk     |
| <b>Research Methods</b>    |  |               |          |                        |                       |         |
| 9781606236390              | Applied Missing Data Analysis  | ENDERS        | 2010.05  | \$104.00               | \$137.00              | Hbk     |
| 9781848601161              | Handbook of Data Analysis  | HARDY         | 2009.06  | \$88.00                | \$117.00              | Pbk     |
| <b>Statistics</b>          |  |               |          |                        |                       |         |
| 9781412971027              | Statistics for People Who (Think They) Hate Statistics: Excel 2007 Edition 2ed                     | SALKIND       | 2009.04  | \$93.00                | \$119.00              | Pbk     |
| 9781412974967              | Statistical Persuasion   | PEARSON       | 2010.01  | \$147.00               | \$194.00              | Pbk ANC |
| 9781842851388              | Starting Statistics: Data and Handling for Beginners   | HOSKER        | 2009.02  | \$29.95                | \$39.95               | Pbk     |

