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## Part John Wiley Sons

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*A Companion to the History of the  
Book John Wiley & Sons  
Presents the most innovative*



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results in carbene chemistry, setting highlighted the most interesting and Carbenes, is dedicated to the the foundation for new discoveries promising areas of investigation in synthetic dimensions of carbenes, and applications The discovery of the field. The book is divided into particularly the reactions and stable carbenes has reinvigorated two parts: Part 1, Properties and catalytic properties of metal carbene chemistry research, with Reactions of Carbenes, carbenes. The authors discuss investigators seeking to develop explores new findings on carbene lithium, rhodium, ruthenium, carbenes into new useful catalysts stability, acid-base behavior, chromium, molybdenum, and ligands. Presenting the and catalysis. Carbenic structure tungsten, cobalt, and gold. All the most innovative and promising and reactivity are examined chapters conclude with a summary areas of carbene research over the in chapters dedicated to stable of the current situation, new past decade, this book explores carbenes, carbodicarbenes, challenges on the horizon, and newly discovered structural, carbenes as guests in promising new research directions. catalytic, and organometallic supramolecular hosts, tunneling in A list of key reviews and aspects of carbene chemistry, with carbene and oxacarbene reactions, suggestions for further reading also an emphasis on new and emerging and ultrafast kinetics of carbenes accompanies every chapter. Each synthetic applications. and their excited state precursors. volume of the Wiley Series on Contemporary Carbene Chemistry Theoretical concerns are Reactive Intermediates features contributions from an addressed in chapters in Chemistry and Biology focuses international team of pioneering on computational methods and on a specific reactive carbene chemistry researchers. dynamics applied to intermediate, offering a broad Collectively, these authors have carbene reactions. Part 2, Metal range of perspectives from leading

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experts that sets the stage for new applications and further discoveries.

**Breaking the Book John Wiley & Sons**

Save time and be more productive with this helpful guide to Excel macros! While most books about Excel macros offer only minor examples, usually aimed at illustrating a particular topic, this invaluable resource provides you with the tools needed to efficiently and effectively program Excel macros immediately. Step-by-

step instructions show you how to create VBA macros and explain how to customize your applications to look and work exactly as you want them to. By the end of the book, you will understand how each featured macro works, be able to reuse the macros included in the book and online, and modify the macro for personal use. Shows you how to solve common problems with the featured macros, even if you lack extensive programming knowledge

Outlines a problem that needs to be solved and provides the actual Excel macro, as well as the downloadable code, to solve the problem  
Provides an explanation of how each macro works and where to use the macro  
With 101 Ready-to-Use Excel Macros, Microsoft MVP Michael Alexander helps you save time, automate tasks, and ultimately be more productive.  
**Statistical and Methodological Aspects of Oral**

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## Health Research

Wiley

The Chemistry of  
Heterocyclic

Compounds, since its inception, has been recognized as a cornerstone of heterocyclic chemistry. Each volume attempts to discuss all aspects - properties, synthesis, reactions, physiological and industrial significance - of a

specific ring system. To keep the series up-to-date, supplementary volumes covering the recent literature on each individual ring system have been published. Many ring systems (such as pyridines and oxazoles) are treated in distinct books, each consisting of separate volumes or parts dealing with

different individual topics. With all authors are recognized authorities, the Chemistry of Heterocyclic Chemistry is considered worldwide as the indispensable resource for organic, bioorganic, and medicinal chemists. Absorption and Scattering of Light by Small Particles John Wiley & Sons

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AN UP-TO-DATE,  
COMPREHENSIVE  
TREATMENT OF A  
CLASSIC TEXT ON  
MISSING DATA IN  
STATISTICS The topic of  
missing data has gained  
considerable attention in  
recent decades. This new  
edition by two acknowledged  
experts on the subject offers  
an up-to-date account of  
practical methodology for  
handling missing data  
problems. Blending theory  
and application, authors  
Roderick Little and Donald  
Rubin review historical

approaches to the subject and the patterns and mechanisms  
describe simple methods for multivariate analysis with  
missing values. They then provide a coherent theory for  
analysis of problems based on likelihoods derived from  
statistical models for the data and the missing data  
mechanism, and then they apply the theory to a wide  
range of important missing data problems. *Statistical  
Analysis with Missing Data, Third Edition* starts by  
introducing readers to the subject and approaches  
toward solving it. It looks at approaches to the subject and the patterns and mechanisms  
that create the missing data, as well as a taxonomy of  
missing data. It then goes on to examine missing data in  
experiments, before discussing complete-case and  
available-case analysis, including weighting methods.  
The new edition expands its coverage to include recent  
work on topics such as nonresponse in sample  
surveys, causal inference, diagnostic methods, and  
sensitivity analysis, among a host of other topics. An  
updated "classic" written by

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renowned authorities on the subject Features over 150 exercises (including many new ones) Covers recent work on important methods like multiple imputation, robust alternatives to weighting, and Bayesian methods Revises previous topics based on past student feedback and class experience Contains an updated and expanded bibliography Statistical Analysis with Missing Data, Third Edition is an ideal textbook for upper undergraduate and/or beginning graduate level

students of the subject. It is also an excellent source of information for applied statisticians and practitioners in government and industry. John Wiley & Sons A thorough presentation of analytical methods for characterizing soil chemical properties and processes, Methods, Part 3 includes chapters on Fourier transform infrared, Raman, electron spin resonance, x-ray photoelectron, and x-ray absorption fine structure spectroscopies, and more. Mechanics, Part 2 John Wiley & Sons Breaking the Book is a manifesto on the cognitive consequences and

emotional effects of human interactions with physical books that reveals why the traditional humanities disciplines are resistant to 'digital' humanities. Explores the reasons why the traditional humanities disciplines are resistant to 'digital humanities' Reveals facets of book history, offering it as an example of how different media shape our modes of thinking and feeling Gathers together the most important book history and literary criticism concerning the hundred years leading up to the early 19th-century emergence of mass print culture Predicts effects of the digital revolution on disciplinarity, expertise, and the institutional restructuring of the humanities Understanding Business

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Research John Wiley & Sons  
This book is intended for those with an academic, scientific and practical interest in river conservation and management. It provides an overview of how changes in legislation, policies, institutional responsibilities, science, technology, practical techniques and public perception have influenced how rivers have been managed over the past 20 years and the challenges that lie ahead during the next 20 years. The book is based on the international conference

River Conservation and Management: 20 Years On held at York. Thirty-one chapters, with contributions from North and South America, Europe, Asia and Australasia provide a wide-ranging perspective on this complex but profoundly important subject. Following an introduction that chronicles the most important contextual changes, the book is organized into four broad topics: Catchment management, ecosystem integrity and the threats to river ecosystems – this covers

progress on understanding and addressing the pressures affecting rivers, many of which will be amplified by climate change and increasing human demands for water; Methods and approaches – illustrating some recent techniques that have been developed to assess condition and conservation status across different types of river; Recovery and rehabilitation – providing an insight into the principles, practice, public involvement and institutional networks that support and make improvements to modified

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river reaches; Integrating nature conservation into wider river management – demonstrating the importance of integrated planning, involvement of local communities and the use of adaptive management in achieving multiple environmental and economic benefits along rivers used for different purposes. The final chapter discusses the challenges faced in dealing with an uncertain future. More than 1200 different references and numerous web-site citations provide the reader

with an invaluable source of knowledge on the subject area. Introduction to Meta-Analysis John Wiley & Sons This book provides a clear and thorough introduction to meta-analysis, the process of synthesizing data from a series of separate studies. Meta-analysis has become a critically important tool in fields as diverse as medicine, pharmacology, epidemiology, education, psychology, business, and ecology. Introduction to Meta-Analysis: Outlines the role of meta-analysis in the research

process Shows how to compute effects sizes and treatment effects Explains the fixed-effect and random-effects models for synthesizing data Demonstrates how to assess and interpret variation in effect size across studies Clarifies concepts using text and figures, followed by formulas and examples Explains how to avoid common mistakes in meta-analysis Discusses controversies in meta-analysis Features a web site with additional material and exercises A superb



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combination of lucid prose and informative graphics, written by four of the world's leading experts on all aspects of meta-analysis. Borenstein, Hedges, Higgins, and Rothstein provide a refreshing departure from cookbook approaches with their clear explanations of the what and why of meta-analysis. The book is ideal as a course textbook or for self-study. My students, who used pre-publication versions of some of the chapters, raved about the clarity of the explanations and examples.

David Rindskopf, Distinguished Professor of Educational Psychology, City University of New York, Graduate School and University Center, & Editor of the Journal of Educational and Behavioral Statistics. The approach taken by *Introduction to Meta-analysis* is intended to be primarily conceptual, and it is amazingly successful at achieving that goal. The reader can comfortably skip the formulas and still understand their application and underlying motivation. For the more

statistically sophisticated reader, the relevant formulas and worked examples provide a superb practical guide to performing a meta-analysis. The book provides an eclectic mix of examples from education, social science, biomedical studies, and even ecology. For anyone considering leading a course in meta-analysis, or pursuing self-directed study, *Introduction to Meta-analysis* would be a clear first choice. Jesse A. Berlin, ScD *Introduction to Meta-Analysis* is an excellent resource for novices and

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experts alike. The book provides a clear and comprehensive presentation of all basic and most advanced approaches to meta-analysis. This book will be referenced for decades. Michael A. McDaniel, Professor of Human Resources and Organizational Behavior, Virginia Commonwealth University

The Wiley Blackwell Handbook of Positive Psychological Interventions John Wiley & Sons  
A practical guide to analysing partially observed data. Collecting, analysing and drawing inferences from data is central to research in

the medical and social sciences. Unfortunately, it is rarely possible to collect all the intended data. The literature on inference from the resulting incomplete data is now huge, and continues to grow both as methods are developed for large and complex data structures, and as increasing computer power and suitable software enable researchers to apply these methods. This book focuses on a particular statistical method for analysing and drawing inferences from incomplete data, called Multiple Imputation (MI). MI is attractive because it is both practical and widely applicable. The authors aim is to clarify the issues raised by missing data, describing the

rationale for MI, the relationship between the various imputation models and associated algorithms and its application to increasingly complex data structures. Multiple Imputation and its Application: Discusses the issues raised by the analysis of partially observed data, and the assumptions on which analyses rest. Presents a practical guide to the issues to consider when analysing incomplete data from both observational studies and randomized trials. Provides a detailed discussion of the practical use of MI with real-world examples drawn from medical and social statistics. Explores handling non-linear relationships and interactions with multiple imputation, survival analysis,

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multilevel multiple imputation, sensitivity analysis via multiple imputation, using non-response weights with multiple imputation and doubly robust multiple imputation. Multiple Imputation and its Application is aimed at quantitative researchers and students in the medical and social sciences with the aim of clarifying the issues raised by the analysis of incomplete data, outlining the rationale for MI and describing how to consider and address the issues that arise in its application.

**Publishing E-Books For Dummies** John Wiley & Sons  
Provides a scientific basis for the cleanup and for the

assessment of oil spills Enables Non-scientific officers to understand the science they use on a daily basis Multi-disciplinary approach covering fields as diverse as biology, microbiology, chemistry, physics, oceanography and toxicology Covers the science of oil spills from risk analysis to cleanup and through the effects on the environment Includes case studies examining and analyzing spills, such as Tasman Spirit oil spill on the Karachi Coast, and provides lessons to prevent these in the

future  
**Poly(lactic acid)** John Wiley & Sons  
Biocultural or biosocial anthropology is a research approach that views biology and culture as dialectically and inextricably intertwined, explicitly emphasizing the dynamic interaction between humans and their larger social, cultural, and physical environments. The biocultural approach emerged in anthropology in the 1960s, matured in the 1980s, and is now one of the dominant paradigms in anthropology,

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particularly within biological anthropology. This volume gathers contributions from the top scholars in biocultural anthropology focusing on six of the most influential, productive, and important areas of research within biocultural anthropology. These are: critical and synthetic approaches within biocultural anthropology; biocultural approaches to identity, including race and racism; health, diet, and nutrition; infectious disease from antiquity to the modern era; epidemiologic transitions

and population dynamics; and inequality and violence studies. Focusing on these six major areas of burgeoning research within biocultural anthropology makes the proposed volume timely, widely applicable and useful to scholars engaging in biocultural research and students interested in the biocultural approach, and synthetic in its coverage of contemporary scholarship in biocultural anthropology. Students will be able to grasp the history of the biocultural approach, and how that

history continues to impact scholarship, as well as the scope of current research within the approach, and the foci of biocultural research into the future. Importantly, contributions in the text follow a consistent format of a discussion of method and theory relative to a particular aspect of the above six topics, followed by a case study applying the surveyed method and theory. This structure will engage students by providing real world examples of anthropological issues, and demonstrating how

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biocultural method and theory can be used to elucidate and resolve them. Key features include: Contributions which span the breadth of approaches and topics within biological anthropology from the insights granted through work with ancient human remains to those granted through collaborative research with contemporary peoples. Comprehensive treatment of diverse topics within biocultural anthropology, from human variation and adaptability to recent disease pandemics, the embodied effects of race and racism, industrialization and the rise of allergy and autoimmune diseases, and the sociopolitics of slavery and torture. Contributions and sections united by thematically cohesive threads. Clear, jargon-free language in a text that is designed to be pedagogically flexible: contributions are written to be both understandable and engaging to both undergraduate and graduate students. Provision of synthetic theory, method and data in each contribution. The use of richly contextualized case studies driven by empirical data. Through case-study driven contributions, each chapter demonstrates how biocultural approaches can be used to better understand and resolve real-world problems and anthropological issues.

*A Companion to Media Fandom and Fan Studies* John Wiley & Sons  
*Absorption and Scattering of Light by Small Particles* Treating absorption and scattering in equal measure, this self-contained, interdisciplinary study examines and illustrates how small particles absorb and scatter light. The

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authors emphasize that any discussion of the optical behavior of small particles is inseparable from a full understanding of the optical behavior of the parent material-bulk matter. To divorce one concept from the other is to render any study on scattering theory seriously incomplete. Special features and important topics covered in this book include: \* Classical theories of optical properties based on idealized models \* Measurements for three representative materials: magnesium oxide, aluminum, and water \* An extensive discussion of electromagnetic theory \* Numerous exact and approximate solutions to various scattering problems \* Examples and applications from

physics, astrophysics, atmospheric physics, and biophysics \* Some 500 references emphasizing work done since Kerker's 1969 work on scattering theory \* Computer programs for calculating scattering by spheres, coated spheres, and infinite cylinders  
**New Directions in Biocultural Anthropology** John Wiley & Sons  
This combined survey of operant and classical conditioning provides professional and academic readers with an up-to-date, inclusive account of a core field of psychology research, with in-depth coverage of the basic theory, its applications, and

current topics including behavioral economics. Provides comprehensive coverage of operant and classical conditioning, relevant fundamental theory, and applications including the latest techniques Features chapters by leading researchers, professionals, and academicians Reviews a range of core literature on conditioning Covers cutting-edge topics such as behavioral economics  
**The Wiley Blackwell Handbook of Operant and Classical Conditioning** John Wiley & Sons  
Explore different perspectives

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and approaches to create more effective visualizations #MakeoverMonday offers inspiration and a giant dose of perspective for those who communicate data. Originally a small project in the data visualization community, #MakeoverMonday features a weekly chart or graph and a dataset that community members reimagine in order to make it more effective. The results have been astounding; hundreds of people have contributed thousands of makeovers, perfectly illustrating the highly variable nature of data visualization. Different takes on

the same data showed a wide variation of theme, focus, content, and design, with side-by-side comparisons throwing more- and less-effective techniques into sharp relief. This book is an extension of that project, featuring a variety of makeovers that showcase various approaches to data communication and a focus on the analytical, design and storytelling skills that have been developed through #MakeoverMonday. Paging through the makeovers ignites immediate inspiration for your own work, provides insight into different perspectives, and

highlights the techniques that truly make an impact. Explore the many approaches to visual data communication Think beyond the data and consider audience, stakeholders, and message Design your graphs to be intuitive and more communicative Assess the impact of layout, color, font, chart type, and other design choices Creating visual representation of complex datasets is tricky. There ' s the mandate to include all relevant data in a clean, readable format that best illustrates what the data is saying—but there is also the designer ' s impetus to showcase

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a command of the complexity and create multidimensional visualizations that “ look cool. ” #MakeoverMonday shows you the many ways to walk the line between simple reporting and design artistry to create exactly the visualization the situation requires.

The Digital Patient John Wiley & Sons

The Wiley Handbook of Diversity in Special Education is a state-of-the-art reference showcasing cutting-edge special education research with a focus on children and youth with disabilities from

diverse cultural, ethnic, linguistic, and economic backgrounds. Cutting-edge special education research focusing on children and youth with disabilities from diverse cultural, ethnic, linguistic, and economic backgrounds An authoritative contribution to the field, this work charts a new path to effective interventions and sets an agenda for future research Addresses disabilities from an international perspective Researching Medical Education John Wiley & Sons Statistical and Methodological

Aspects of Oral Health Research provides oral health researchers with an overview of the methodological aspects that are important in planning, conducting and analyzing their research projects whilst also providing biostatisticians with an idea of the statistical problems that arise when tackling oral health research questions. This collection presents critical reflections on oral health research and offers advice on practical aspects of setting up research whilst introducing the reader to basic as well as advanced statistical methodology. Features: An introduction to research methodology and an exposition of the state of the art. A variety of examples from oral health research.



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Contributions from well-known oral health researchers, epidemiologists and biostatisticians, all of whom have rich experience in this area. Recent developments in statistical methodology prompted by a variety of dental applications. Presenting both an introduction to research methodology and an exposition of the latest advances in oral health research, this book will appeal both beginning and experienced oral health researchers as well as biostatisticians and epidemiologists.

Strategic Social Media John Wiley & Sons

A COMPANION TO THE HISTORY OF THE BOOK A COMPANION TO THE HISTORY OF THE BOOK Edited

by Simon Eliot and Jonathan Rose  
“ As a stimulating overview of the multidimensional present state of the field, the Companion has no peer. ” Choice “ If you want to understand how cultures come into being, endure, and change, then you need to come to terms with the rich and often surprising history Of the book ... Eliot and Rose have done a fine job. Their volume can be heartily recommended. “ Adrian Johns, *Technology and Culture* From the early Sumerian clay tablet through to the emergence of the electronic text, this Companion provides a continuous and coherent account of the history of the book. A team of expert contributors draws on the latest research in order to offer a

cogent, transcontinental narrative. Many of them use illustrative examples and case studies of well-known texts, conveying the excitement surrounding this rapidly developing field. The Companion is organized around four distinct approaches to the history of the book. First, it introduces the variety of methods used by book historians and allied specialists, from the long-established discipline of bibliography to newer IT-based approaches. Next, it provides a broad chronological survey of the forms and content of texts. The third section situates the book in the context of text culture as a whole, while the final section addresses broader issues, such as literacy, copyright, and the future of

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the book. Contributors to this volume: Michael Albin, Martin Andrews, Rob Banham, Megan L Benton, Michelle P. Brown, Marie-Françoise Cachin, Hortensia Calvo, Charles Chadwyck-Healey, M. T. Clanchy, Stephen Colclough, Patricia Crain, J. S. Edgren, Simon Eliot, John Feather, David Finkelstein, David Greetham, Robert A. Gross, Deana Heath, Lotte Hellinga, T. H. Howard-Hill, Peter Kornicki, Beth Luey, Paul Luna, Russell L. Martin III, Jean-Yves Mollier, Angus Phillips, Eleanor Robson, Cornelia Roemer, Jonathan Rose, Emile G. L. Schrijver, David J. Shaw, Graham Shaw, Claire Squires, Rietje van Vliet, James Wald, Rowan Watson, Alexis Weedon, Adriaan van der

Weel, Wayne A. Wiegand, Eva Hemmungs Wirtén. *Healthcare Simulation at a Glance* John Wiley & Sons

*A Companion to Media Fandom and Fan Studies* offers scholars and fans an accessible and engaging resource for understanding the rapidly expanding field of fan studies. International in scope and written by a team that includes many major scholars, this volume features over thirty especially-commissioned essays on a variety of topics, which together provide an unparalleled overview of this fast-growing field. Separated into five

sections—Histories, Genealogies, Methodologies; Fan Practices; Fandom and Cultural Studies; Digital Fandom; and *The Future of Fan Studies*—the book synthesizes literature surrounding important theories, debates, and issues within the field of fan studies. It also traces and explains the social, historical, political, commercial, ethical, and creative dimensions of fandom and fan studies. Exploring both the historical and the contemporary fan situation, the volume presents fandom and fan studies as models of 21st century production and consumption, and identifies the

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emergent trends in this unique field of study.

Knowledge Translation in Health Care John Wiley & Sons

The Sixth Edition of this classic work comprises the most comprehensive and current guide to infrared and Raman spectra of inorganic, organometallic, bioinorganic, and coordination compounds. From fundamental theories of vibrational spectroscopy to applications in a variety of compound types, this has been extensively updated. New topics include the theoretical calculations of vibrational frequencies (DFT method), chemical synthesis by matrix co-condensation reactions, time-resolved Raman spectroscopy, and

more. This volume is a core reference for chemists and medical professionals working with infrared or Raman spectroscopies and an excellent textbook for graduate courses.

The Wiley Handbook of Home Education John Wiley & Sons

Researching Medical Education is an authoritative guide to excellence in educational research in the health professions. Presented by the Association for the Study of Medical Education and the Association for Medical Education in Europe, Researching Medical Education includes contributions from a team of international clinicians

and non-clinical researchers in health education, representing a range of disciplines and backgrounds. This accessible reference provides readers with the basic building blocks of research, introduces a range of theories and how to use them, illustrates a diversity of methods and their use, and gives guidance on practical researcher development. By linking theory and design and methods across the health profession education research spectrum, this book supports the improvement of quality, capacity building and knowledge generation. Researching Medical Education

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is the ideal resource for anyone researching health education, from undergraduate, through postgraduate training, to continuing professional development.