

Routledge

Environmental and Geomatic
Engineering
Textbook Catalogue
Spring 2025



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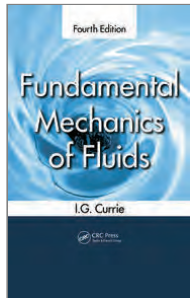
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Open access titles

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4TH EDITION

Fundamental Mechanics of Fluids



I.G. Currie University of Toronto, Ontario, Canada

Fully updated and expanded to reflect advances in modern mathematics, this fourth edition boasts 40 new homework problems (nearly 150 in total); new appendix material summarizing vectors, tensors, complex variables, and governing equations in common coordinate systems; and a new chapter on similarity solutions, group invariance solutions, separation of variables solutions, and some Fourier series representations. Illustrating basic equations and strategies to analyze fluid dynamics, mechanisms, and behavior, this new edition also contains reworked line drawings, revised problems, and extended end-of-chapter questions for clarification and expansion of key concepts.

CRC Press

August 2012 : 604pp

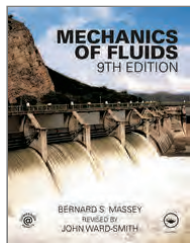
Hb: 978-1-439-87460-8 : **£145**

eBook: 978-0-429-09888-8

* For full contents and more information, visit: www.routledge.com/9781439874608

9TH EDITION

Mechanics of Fluids



John Ward-Smith (Formerly Brunel University, UK)

This ninth edition adds a section examining the modern context of fluid mechanics and associated issues including climate change, new forms of energy generation, and fresh water conservation.

CRC Press

August 2011 : 720pp

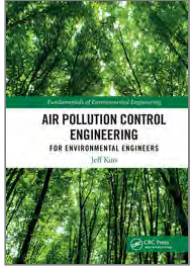
Pb: 978-0-415-60260-0 : **£58.99**

Hb: 978-0-415-60259-4 : **£210**

eBook: 978-1-315-27254-2

* For full contents and more information, visit: www.routledge.com/9780415602600

Air Pollution Control Engineering for Environmental Engineers



Edited by **Jeff Kuo**

Series: *Fundamentals of Environmental Engineering*

Air pollution control and air quality engineering are some of the key subjects in any environmental engineering curriculum. This book will cover topics that are fundamental to pollution control engineers and professionals, including air pollution and its management through regulatory approaches, calculating and estimating emissions, and applying control technologies for different forms of pollutants and emission characteristics for several key industries. In addition, it will include topics that address issues such as fugitive component leak detection and repair, odor containment and control, greenhouse gas emissions, and indoor air pollution, which are often not found in other similar books.

CRC Press

December 2018 : 378pp

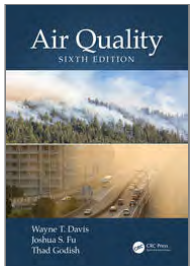
Hb: 978-1-138-03204-0 : £115

eBook: 978-0-429-18579-3

* For full contents and more information, visit: www.routledge.com/9781138032040

6TH EDITION

Air Quality



Wayne T. Davis University of Tennessee, Knoxville, USA,
Joshua S. Fu University of Tennessee, Knoxville, USA,
Thad Godish Ball State University, Muncie, Indiana, USA

The Air Quality field changes rapidly as new regulations are developed, particularly driven by climate change. This updated edition provides the latest information, including the newest technologies, regulations, and air quality management approaches. The areas on climate change are updated substantially. Through simple and precise language, scientific terms are explained in a holistic sense, and beginners and environmental practitioners alike will consider this book a trustworthy companion. The sixth edition includes additional information related to global air quality to better assess worldwide air quality conditions.

CRC Press

September 2023 : 423pp

Pb: 978-0-367-70523-7 : £45.99

Hb: 978-0-367-86092-9 : £110

eBook: 978-1-003-03259-5

* For full contents and more information, visit: www.routledge.com/9780367705237

Air Pollution

Health and Environmental Impacts



Edited by **Bhola R. Gurjar** Indian Institute of Technology, Roorkee, India, **Luisa T. Molina** Massachusetts Institute of Technology, Cambridge, USA, **C.S. P. Ojha** Indian Institute of Technology, Roorkee, India

Along with providing an understanding of the scientific basis of air pollution, this volume helps readers better appreciate social and environmental determinants of public health and apply country-based research evidence to reduce health disparities and environmental inequalities. It also encourages future research and policy action on the health and environmental consequences of air pollution from the local to global level. With contributions from a distinguished group of international experts, the book not only covers general modeling, monitoring, and characterization techniques but also includes field studies and cases that offer valuable insight into region-specific issues.

CRC Press

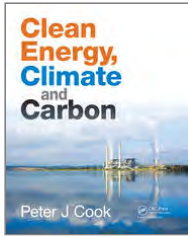
June 2010 : 556pp

Hb: 978-1-439-80962-4 : £180

eBook: 978-0-429-07559-9

* For full contents and more information, visit: www.routledge.com/9781439809624

Clean Energy, Climate and Carbon



Peter J. Cook Cooperative Research Centre for Greenhouse Gas Technologies, Canberra, Australia

With the general reader in mind, *Clean Energy, Climate and Carbon* outlines the global challenge of decreasing greenhouse gas emissions. It covers the changing concentration of atmospheric carbon dioxide through time and its causes, before considering the promise and the limitations of a wide range of energy technologies for decreasing carbon dioxide emissions. The book also explores the political environment in which the discussion on clean energy technology options is occurring. What will a price on carbon do for technology uptake and what are the prospects of cutting our emissions by 2020 and of making even deeper cuts by 2050? What will the technology mix look like by that time? For people who are concerned about climate change, or who want to learn more about clean energy technologies, including CCS, this is the definitive view of the opportunities and the challenges we face in decreasing emissions despite a seemingly inexorable global increase in energy demand.

CRC Press

March 2012 : 230pp

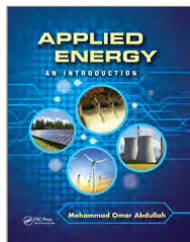
Pb: 978-0-415-62106-9 : **£47**

Hb: 978-1-138-38154-4 : **£145**

* For full contents and more information, visit: www.routledge.com/9780415621069

Applied Energy

An Introduction



Mohammad Omar Abdullah

Focusing on renewable energy technologies, energy conversion, and conservation and the energy industry, this volume discusses energy applications in small-medium enterprises, solar energy, hydro and wind energy, nuclear energy, hybrid energy, and energy sustainability issues. The author lists the key aspects of applied energy and related studies, taking a question-based approach to the material that is useful for both undergraduate students and to postgraduates who want a broad overview of energy conversion. In addition to illustrations, the text contains numerous worked examples, case studies, and homework problems.

CRC Press

September 2019 : 444pp

Pb: 978-0-367-38073-1 : **£61.99**

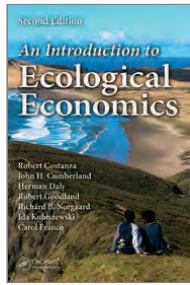
Hb: 978-1-439-87157-7 : **£150**

eBook: 978-0-429-10075-8

* For full contents and more information, visit: www.routledge.com/9780367380731

2ND EDITION

An Introduction to Ecological Economics



Robert Costanza Australian National University, Canberra, Australia, **John H Cumberland** University of Maryland, Solomons, USA, **Herman Daly** University of Maryland, College Park, USA, **Robert Goodland** World Bank, Washington DC, USA, **Richard B Norgaard** University of California at Berkeley, California,, **Ida Kubiszewski**, **Carol Franco**

This completely revised and updated second edition integrates the study and management of humans and the rest of nature. It provides a unified understanding of natural and human-dominated ecosystems and reintegrates the market economy within society and the rest of nature. The new edition adds a series of "boxes" to expand and update information in the current text and addresses such topical issues common asset trusts, payment for ecosystem services, and alternatives to GDP.

CRC Press

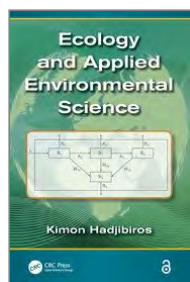
December 2014 : 356pp

Hb: 978-1-566-70684-1 : £115

eBook: 978-0-429-14155-3

* For full contents and more information, visit: www.routledge.com/9781566706841

Ecology and Applied Environmental Science



Kimon Hadjibiros National Technical University of Athens, Greece

This Open Access version of this textbook, available at <http://www.taylorfrancis.com> presents a brief theoretical approach to ecology, based on energy, populations, and cycles of chemical elements. It also presents a good selection of environmental problems with potential engineering, scientific, and managerial solutions. It takes an engineering approach and avoids too much biological detail. The book introduces system analysis and describes the structure and function of the ecosystem. It provides a short and comprehensive approach to appropriate environmental management, based on sound ecological theory and applied science and technology.

CRC Press

December 2019 : 290pp

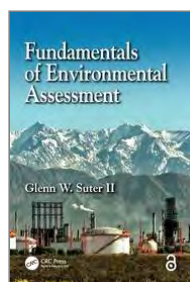
Pb: 978-0-367-86776-8 : **£48**

Hb: 978-1-466-57009-2 : **£91**

eBook: 978-0-429-07154-6

* For full contents and more information, visit: www.routledge.com/9780367867768

Fundamentals of Environmental Assessment



Glenn W. Suter II US Environmental Protection Agency, Cincinnati, Ohio, USA

Based on the "go to" book in the field of ecological risk assessment, this shorter, principles-based, updated textbook is essential for students and new practitioners who want to understand the purposes of environmental assessments and how to achieve them. It includes environmental risks to humans as well as nonhuman populations and ecosystems. Drawing upon the author's extensive experience in the field, the book explains fundamental principles and basic techniques and illustrates them with example applications which carry through multiple chapters and make this book a practical and hands-on guide. Both the content and the style are inviting and approachable to different levels of students.

CRC Press

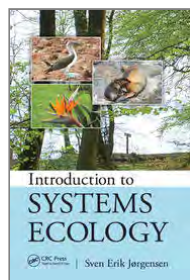
June 2023 : 322pp

Hb: 978-0-367-70592-3 : **£92.99**

eBook: 978-1-003-15630-7

* For full contents and more information, visit: www.routledge.com/9780367705923

Introduction to Systems Ecology



Sven Jørgensen

Using quantitative methods to understand how ecological systems operate and influence each other, this textbook presents a complete and practically applicable ecosystems theory. The book is built on fourteen principles for ecological systems, including the general application of energetics principles in systems ecology. Written by an internationally recognized expert, this work provides readers with a thorough understanding of how ecosystems work and how they react to disturbances such as pollution. The holistic systems ecology described has a wide application in conservation biology, ecological modeling, assessment of ecosystem health and sustainability, and ecotechnology.

CRC Press

September 2020 : 360pp

Pb: 978-0-367-86609-9 : **£52**

Hb: 978-1-439-85501-0 : **£115**

eBook: 978-0-429-10775-7

* For full contents and more information, visit: www.routledge.com/9780367866099

Sustainable Energy Technologies



Edited by **Eduardo Rincón-Mejía , Alejandro de las Heras**

This book examines all facets of energy use, energy sources, and sustainable energy. It clearly explains the need for an integrated engineering approach to sustainable energies. The emphasis is on coupling and hybridizing systems to implement resilient and efficient alternatives to existing energy systems. It discusses current energy systems, both sustainable as well as those that claim to be sustainable. This book is a result of a collaborative work of many contributors from different backgrounds all focused on a particular approach to better integrate all technologies in a set of sustainable combinations. It includes solved practical problems and graphical content using MATLAB®.

CRC Press

June 2020 : 426pp

Pb: 978-0-367-57267-9 : **£45.99**

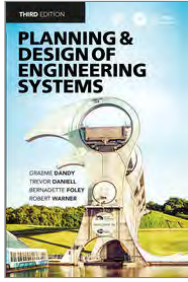
Hb: 978-1-138-03438-9 : **£185**

eBook: 978-1-315-26997-9

* For full contents and more information, visit: www.routledge.com/9780367572679

3RD EDITION

Planning and Design of Engineering Systems



**Graeme Dandy , Trevor Daniell , Robert Warner ,
Bernadette Foley , Graeme Dandy , David Walker**
University of Adelaide, Australia, **Trevor Daniell**

This newly updated book offers a comprehensive introduction to the scope and nature of engineering work, taking a rigorous but common sense approach to the solution of engineering problems

CRC Press

December 2017 : 460pp

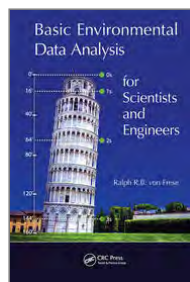
Pb: 978-1-138-03190-6 : **£42.99**

Hb: 978-1-138-03189-0 : **£110**

eBook: 978-1-351-22812-1

* For full contents and more information, visit: www.routledge.com/9781138031906

Basic Environmental Data Analysis for Scientists and Engineers



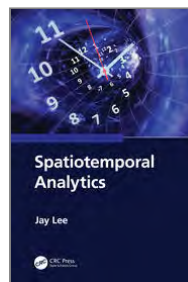
Ralph R.B. Von Frese

This hands-on textbook introduces basic concepts of modern digital data analysis and graphics including numerical/graphical calculus, measurement units and dimensional analysis, non-statistical and statistical error analysis, etc. It emphasizes array-based or matrix inversion and spectral analysis using the fast Fourier transform (FFT) that dominates modern data analysis. It is comprehensive and better suited for student exploration efforts using modern equation solving software like MATLAB®, Mathematica, MathCad, etc. This textbook is focused on the basic mathematical methods, which distinguishes it from the rest of software focused textbooks.

CRC Press
January 2023 : 298pp
Pb: 978-1-032-47506-6 : **£43.99**
Hb: 978-1-138-62778-9 : **£110**
eBook: 978-0-429-29121-0

* For full contents and more information, visit: www.routledge.com/9781032475066

Spatiotemporal Analytics



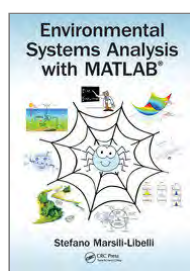
Jay Lee

This book introduces readers to spatiotemporal analytics that are extended from spatial statistics. Spatiotemporal analytics help analysts to quantitatively recognize and evaluate the spatial patterns and their temporal trends of a set of geographic events or objects, which is important in geography, environmental sciences, economy, and many other domains. This book explains in simple terms the concepts of spatiotemporal data and statistics, theories, and methods used. Each chapter introduces a case study as an example application for an in-depth learning process. The software used and the codes provided enable readers to learn statistics and use them effectively in their projects.

CRC Press
March 2023 : 266pp
Hb: 978-1-032-30305-5 : **£86.99**
eBook: 978-1-003-30439-5

* For full contents and more information, visit: www.routledge.com/9781032303055

Environmental Systems Analysis with MATLAB®



Stefano Marsili-Libelli University of Florence, Italy

This book explains how to use leading-edge numerical techniques to develop simple but successful models of environmental processes or to analyze environmental data sets. Ready-made computer codes in MATLAB® are available to assist the reader in adapting his or her problem to the theory described here. The material is organized in such a way that the book can be used either as an end-to-end textbook in environmental systems analysis or as a handbook to address a specific problem.

CRC Press
February 2018 : 562pp
Pb: 978-1-138-49078-9 : **£76.99**
Hb: 978-1-498-70635-3 : **£180**
eBook: 978-1-315-37044-6

* For full contents and more information, visit: www.routledge.com/9781138490789

2ND EDITION

Real-Time Environmental Monitoring

Sensors and Systems - Textbook and Lab Manual



Miguel F. Acevedo University of North Texas
Department of Geography, Denton, TX

Both the textbook and lab manual introduce engineering students to the fundamentals and applications of real-time environmental monitoring based on electronic sensors, instruments, systems, and software that allow continuous, long-term ecological and environmental data collection. Tested in classrooms by the author, the second edition includes applications with state-of-the-art sensor technology and programs such as R, Python, Arduino, and SQL. Written to help both students and instructors in engineering better understand how to use and design a variety of sensors and build systems and databases when monitoring different environments such as soil, water, and air.

CRC Press
December 2023 : 720pp
Hb: 978-1-032-01266-7 : **£145**

* For full contents and more information, visit: www.routledge.com/9781032012667

Environmental Economics

An Integrated Approach



Philip E. Graves

Rigorous, yet written in a way that facilitates understanding of sometimes difficult material, this book provides practical and working knowledge of how environmental policy analysis is conducted in the United States and, to a lesser extent, elsewhere. It details the tools required to conduct that analysis and also discusses weaknesses in the existing methods, underlining areas for future improvement. This approach allows readers to get a sense of what is known and what is not known about environmental economics.

CRC Press

June 2019 : 264pp

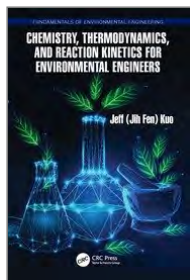
Pb: 978-0-367-37960-5 : **£61.99**

Hb: 978-1-466-51801-8 : **£105**

eBook: 978-0-429-18526-7

* For full contents and more information, visit: www.routledge.com/9780367379605

Chemistry, Thermodynamics, and Reaction Kinetics for Environmental Engineers



Jeff Kuo

Series: Fundamentals of Environmental Engineering

This book aims to be the preeminent university chemistry textbook for environmental engineers. It provides undergraduate and graduate environmental engineering students with basic concepts and practical knowledge about chemistry that they would need throughout their professional careers. It focuses on the fundamental concepts of chemistry and its practical applications (e.g., understanding fate and transport of chemicals/pollutants in the environment as well as the chemical/physicochemical processes applied in environmental engineering and related industries).

CRC Press

September 2024 : 344pp

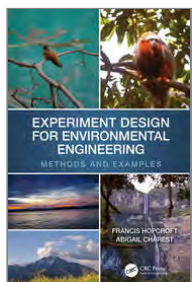
Hb: 978-1-032-81983-9 : £91.99

eBook: 978-1-003-50266-1

* For full contents and more information, visit: www.routledge.com/9781032819839

Experiment Design for Environmental Engineering

Methods and Examples



Francis J. Hopcroft , Abigail Charest Wentworth
Institute of Technology, MA, USA

This book provides a wide range of practical environmental engineering laboratory experiments for implementation by students in a university laboratory or by practicing professionals in the field, along with an extensive discussion on how to design an experiment that will provide meaningful and useful data, how to interpret the data generated from an experiment, and how to present those data to an audience of other students or professionals. The example experiments provide a way to evaluate a new design against an existing experiment to determine what information is most appropriate in each section and how to format the data for the most effective outcome.

CRC Press

May 2024 : 368pp

Pb: 978-1-032-02618-3 : **£45.99**

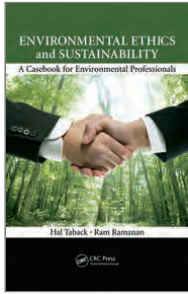
Hb: 978-1-032-01704-4 : **£115**

eBook: 978-1-003-18424-9

* For full contents and more information, visit: www.routledge.com/9781032026183

Environmental Ethics and Sustainability

A Casebook for Environmental Professionals



Hal Taback Environmental Consultant, Carlsbad, California, USA, **Ram Ramanan** Illinois Institute of Technology, Chicago, USA

The environmental professional must be educated to be ethical, and more importantly, trained through frequent participatory workshops with real-world scenarios to be able to make the right choices when faced with environmental dilemmas. This book serves as a reference and a resource casebook, presenting current real-world situations and providing perspectives to numerous environmental ethics scenarios. It provides specific guidance as to what is ethical behavior, how to judge it, and the foundations of ethical behavior in facing and resolving environmental ethical dilemmas.

CRC Press

July 2013 : 268pp

Hb: 978-1-466-58420-4 : £130

eBook: 978-0-429-10334-6

* For full contents and more information, visit: www.routledge.com/9781466584204

Sustainability and Design Ethics, Second Edition



Jean Russ

Since the first edition, there has been a significant shift across the economy in terms of recognizing the importance of sustainability. This shift is discussed in the second edition through a substantial revision of all the chapters and the addition of a new chapter on business principles, practices, and sustainability. This book unveils a broad understanding of the theories and practices of ethical reasoning- from the general introduction to the more sophisticated theories, followed by the practices of design professionals and organizations that embody these theories, and, the detailed measures and actions to achieve future sustainability.

CRC Press

November 2018 : 200pp

Pb: 978-1-138-58368-9 : £71.99

Hb: 978-1-138-39041-6 : £145

eBook: 978-0-429-50658-1

* For full contents and more information, visit: www.routledge.com/9781138583689

Introduction to Sustainability for Engineers



Toolseeram Ramjeawon Faculty of Engineering,
University of Mauritius, Reduit, Mauritius

This book aims to incorporate sustainability into curricula for undergraduate engineering students. The book starts with an introduction to the concept of sustainability, outlining core principles for sustainable development to guide engineering practice and decision making, including key tools aimed at enabling, measuring and communicating sustainability. It also describes concepts as life cycle analysis, environmental economics, related institutional architecture and policy framework, business context of sustainability, and sustainable architecture. Appendices at the end of the book presents a summary of key concepts, strategies and tools introduced in the main text.

CRC Press

February 2020 : 392pp

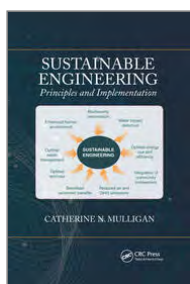
Hb: 978-0-367-25445-2 : £115

eBook: 978-0-429-28785-5

* For full contents and more information, visit: www.routledge.com/9780367254452

Sustainable Engineering

Principles and Implementation



Catherine Mulligan

Due to the constraints on resources and the environment, engineers are faced with new challenges. While it is generally believed that the concepts of sustainable development must be adhered to protect future generations, in practice it is very difficult. Therefore, the focus of this book is to provide both conceptual understanding and practical skills to apply sustainable engineering principles to engineering design. This book provides a comprehensive overview of the interdisciplinary field of sustainability as it applies to engineering. It will describe the tools, protocols and guidelines that are currently available through case studies and examples from around the world.

CRC Press

September 2020 : 232pp

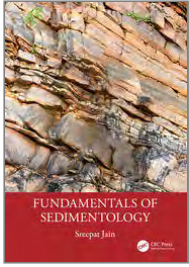
Pb: 978-0-367-65666-9 : £45.99

Hb: 978-1-498-77458-1 : £145

eBook: 978-0-429-02746-8

* For full contents and more information, visit: www.routledge.com/9780367656669

Fundamentals of Sedimentology



Sreepat Jain Dept. of Applied Geology, Adama Science and Technology University, Ethiopia

This new textbook is a modern look at the key concepts of sedimentology. With lavish, colorful, and abundant illustrations and easy-to-understand explanations, the book focuses on the concepts required to understand physical, chemical, and biological characteristics of sedimentary rocks and the processes involved in their formation. This includes the transportation, deposition, and transformation of sediments. It also emphasizes how the understanding of sedimentary rocks can be used to interpret all continental, marginal marine, and deep-water oceanic environments. Written with undergraduate-level students in mind, it serves as a primary textbook for the new generation of students.

CRC Press

December 2024 : 502pp

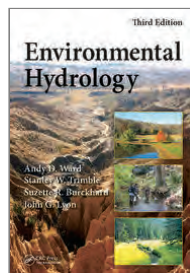
Hb: 978-1-032-30534-9 : £110

eBook: 978-1-003-30562-0

* For full contents and more information, visit: www.routledge.com/9781032305349

3RD EDITION

Environmental Hydrology



Andy D. Ward Ohio State University, Columbus, USA, **Stanley W. Trimble** University of California, Los Angeles, USA, **Suzette R. Burckhard** South Dakota State University, Brookings, USA, **John G. Lyon** Clifton, Virginia, USA

This new edition promises to educate those new to hydrology and challenge professionals alike with insightful solutions to classical problems as well as new approaches so important to the evolving genre. It enhances materials in the 2nd Edition and has expanded information on many topics and in particular evapotranspiration, soil erosion, two-stage ditch design and applications, and stream processes. There are new sections on rock structures in streams, hypoxia, harmful algal blooms, agricultural practices to reduce nutrient discharges into water resources, as well as new end-of-chapter problems. Also, the format has been enhanced to aid the reader in finding tables, figures, and equations.

CRC Press

September 2015 : 696pp

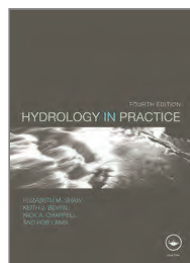
Hb: 978-1-466-58941-4 : £145

eBook: 978-0-429-16860-4

* For full contents and more information, visit: www.routledge.com/9781466589414

4TH EDITION

Hydrology in Practice



Elizabeth M. Shaw, **Keith Beven** Lancaster University, UK, **Nick A. Chappell** Lancaster University, UK, **Rob Lamb** JBA Consulting, UK

This is an introductory textbook for engineering hydrology students who would go on to be practitioners in consultancies. The 4th edition replaces the material on the Flood Studies Report with an equivalent section on the methods of the Flood Estimation Handbook and its revisions. Other completely revised sections on instrumentation and modelling reflect the many changes that have occurred over recent years. Up to date methods and case studies and a wider range of material on hydrological processes are also included. Selected Contents: Part 1: Hydrological Measurements Part 2: Hydrological Analysis and Modelling Part 3: Applications

CRC Press

July 2010 : 560pp

Pb: 978-0-415-37042-4 : £54.99

Hb: 978-0-415-37041-7 : £185

eBook: 978-1-315-27490-4

* For full contents and more information, visit: www.routledge.com/9780415370424

Fundamentals of Environmental Law and Compliance



Daniel Rogers

This textbook provides readers with the fundamentals and the intent of environmental regulations so that compliance can be greatly improved and streamlined. Through numerous examples and case studies it explains concepts from how environmental laws are applied and work, to why pollution prevention and sustainability are critical for the future of all life on Earth. It is organized to accommodate different needs for students with different backgrounds and career choices. It is also useful for site safety managers, research technicians, and other young professionals wanting to apply environmental regulations to their facilities and staying up to date on recently changed regulations.

CRC Press

August 2024 : 460pp

Pb: 978-1-032-00804-2 : **£45.99**

Hb: 978-1-032-00678-9 : **£105**

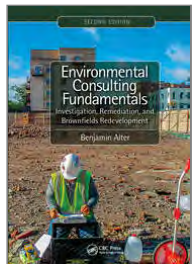
eBook: 978-1-003-17581-0

* For full contents and more information, visit: www.routledge.com/9781032008042

2ND EDITION

Environmental Consulting Fundamentals

Investigation, Remediation, and Brownfields Redevelopment,
Second Edition



Benjamin Alter

The second edition introduces the basic building blocks of environmental consulting by emphasizing the thought processes that go into designing an environmental study, interpreting the data, and selecting the next step for investigation or remediation. This edition is revised and updated with regard to recent technological advances and regulatory changes. It covers the latest environmental issues, including emerging contaminants, and adds a new chapter on Brownfields Redevelopment. It also includes problems and questions to be used for homework assignments or classroom discussions, and provides guidelines that useful for both students and practicing professionals.

CRC Press

January 2023 : 440pp

Pb: 978-1-032-47547-9 : **£43.99**

Hb: 978-1-138-61320-1 : **£120**

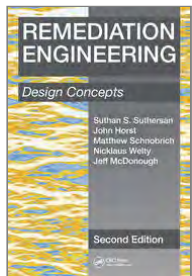
eBook: 978-0-429-46437-9

* For full contents and more information, visit: www.routledge.com/9781032475479

2ND EDITION

Remediation Engineering

Design Concepts, Second Edition



Suthan S. Suthersan ARCADIS, Newtown, Pennsylvania, USA, **John Horst** ARCADIS, Newtown, Pennsylvania, USA, **Matthew Schnobrich** ARCADIS, Newtown, Pennsylvania, USA, **Nicklaus Welty** ARCADIS, Newtown, Pennsylvania, USA, **Jeff McDonough** ARCADIS, Newtown, Pennsylvania, USA

Remediation engineering has evolved and advanced from the stage of being a sub-discipline of environmental engineering into its own engineering discipline supporting the growth of a global industry. This fully-updated second edition will capture the fundamental advancements that have taken place during the last two decades, within the sub-disciplines that form the foundation of the remediation engineering platform. The book will cover the entire spectrum of current technologies that are being employed in this industry, and will also touch on future trends and how practitioners should anticipate and adapt to those needs.

CRC Press

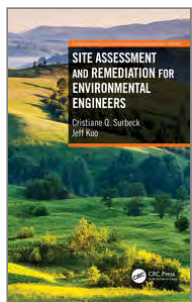
December 2016 : 627pp

Hb: 978-1-498-77327-0 : **£185**

eBook: 978-1-315-36708-8

* For full contents and more information, visit: www.routledge.com/9781498773270

Site Assessment and Remediation for Environmental Engineers



Cristiane Q. Surbeck, **Jeff Kuo** California State University, Fullerton, USA

Series: Fundamentals of Environmental Engineering

This book serves as a primary textbook for environmental site investigation and remediation of subsurface soil and groundwater. It introduces concepts and principles of field investigative techniques to adequately determine the extent of contamination in the subsurface for the selection of clean-up alternatives. It then focuses on practical calculations and skills needed to design and operate remediation systems that will both educate students and be useful for entry-level professionals in the field.

CRC Press

August 2022 : 322pp

Pb: 978-0-367-70973-0 : **£43.99**

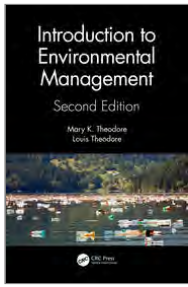
Hb: 978-1-138-38545-0 : **£110**

eBook: 978-0-429-42710-7

* For full contents and more information, visit: www.routledge.com/9780367709730

2ND EDITION

Introduction to Environmental Management



Mary K. Theodore Manhattan College, Riverdale, New York, USA, **Louis Theodore** Manhattan College, New York, USA

Written at a level that is accessible to students in all disciplines, *Introduction to Environmental Management, Second Edition* translates complex environmental issues into practical and understandable terms. The book provides students and practitioners an understanding of the regulations, pollutants, and waste management issues that can be applied in various related environmental fields and industries. This new edition is updated throughout and adds eleven new chapters, including coverage of water conservation, water toxins, measurement methods, desalination, industrial ecology, legal issues, and more.

CRC Press

October 2024 : 556pp

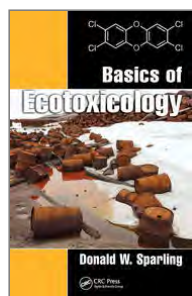
Pb: 978-0-367-77386-1 : **£45.99**

Hb: 978-0-367-75810-3 : **£105**

eBook: 978-1-003-17112-6

* For full contents and more information, visit: www.routledge.com/9780367773861

Basics of Ecotoxicology



Donald W. Sparling Cooperative Wildlife Research Laboratory, Southern Illinois University, Murphysboro, IL USA

This textbook presents a comprehensive examination of environmental science and ecotoxicology for undergraduate students. The material provides sufficient related background information leading to a competency to clearly understand ecotoxicology concepts and topics.

CRC Press

July 2017 : 238pp

Hb: 978-1-138-03171-5 : £110

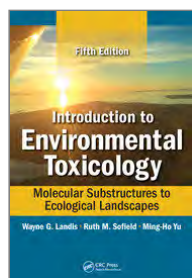
eBook: 978-1-315-15806-8

* For full contents and more information, visit: www.routledge.com/9781138031715

5TH EDITION

Introduction to Environmental Toxicology

Molecular Substructures to Ecological Landscapes, Fifth Edition



Wayne Landis Western Washington University, Institute of Environmental Toxicology, Huxley College of the Environment, Bellingham, USA, **Ruth Sofield** Western Washington University, Bellingham, USA, **Ming-Ho Yu** Western Washington University, Bellingham, USA

This new, fifth edition will be thoroughly revised, and will add all new information on how climate change affects exposure and the effects of toxicants in the environment. It will now be illustrated in full color throughout, and will add numerous case studies from around the world. It will also add new information on species sensitivity distributions and their strengths and weaknesses in estimating toxicological effects on ecological communities, the use of environmental DNA as a potential marker for community structure and the effects of toxicants in a variety of environments, mercury toxicity, and place diverse aspects of environmental toxicology into a unified context.

CRC Press

September 2017 : 490pp

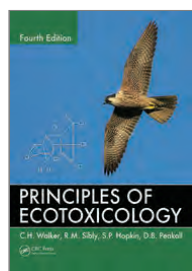
Hb: 978-1-498-75042-4 : £120

eBook: 978-1-315-11786-7

* For full contents and more information, visit: www.routledge.com/9781498750424

4TH EDITION

Principles of Ecotoxicology



C.H. Walker Devon, UK, **R.M. Sibly** University of Reading, UK, **S.P. Hopkin**, **D.B. Peakall**

Emphasizing principles rather than practice, this new edition of a bestseller continues to give readers an integrated view of ecotoxicology, from molecules to ecosystems. It describes the major classes of pollutants and discusses their effects on living organisms. It also addresses the question, "what effects do pollutants have on populations, communities, and the whole ecosystem?" In addition to updating the text throughout, this edition includes information on nanoparticle pollution, offers new case studies, and expands coverage of bioaccumulation, biomarkers, and risk assessment. A new chapter explores future prospects for ecotoxicology.

CRC Press

March 2012 : 386pp

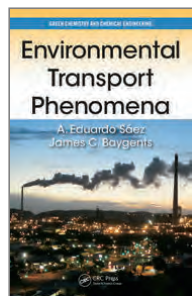
Pb: 978-1-439-86266-7 : £64.99

Hb: 978-1-138-42384-8 : £185

eBook: 978-0-429-18422-2

* For full contents and more information, visit: www.routledge.com/9781439862667

Environmental Transport Phenomena



A. Eduardo Sáez University of Arizona, Tucson, USA,
James C. Baygents University of Arizona, Tucson, USA

Series: Green Chemistry and Chemical Engineering

This book offers a detailed yet accessible introduction to transport phenomena. It begins by explaining the underlying principles and mechanisms that govern mass transport, and continues by tackling practical problems spanning all subdisciplines of environmental science and chemical engineering. Assuming some knowledge of ordinary differential equations and a familiarity with basic fluid mechanics applications, this classroom-tested text addresses mass conservation and macroscopic mass balances, placing a special emphasis on applications to environmental processes and presenting a mathematical framework for formulating and solving transport phenomena problems.

CRC Press

December 2014 : 244pp

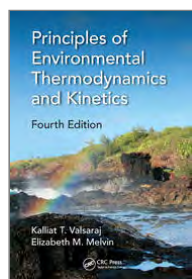
Hb: 978-1-466-57623-0 : £145

eBook: 978-0-429-10173-1

* For full contents and more information, visit: www.routledge.com/9781466576230

4TH EDITION

Principles of Environmental Thermodynamics and Kinetics



Kalliat T. Valsaraj, **Elizabeth M. Melvin**

This book is about applications of chemical thermodynamics and kinetics to various environmental problems related to air, water, soil, and biota. The new edition contains substantial updates and a new table of contents. The applications are new and extended to include current events in environmentally-based challenges. Demonstrates the theoretical foundations of chemical property estimations for environmental process modeling. Provides a thorough understanding of applications and limitations of various property correlations. It adopts a multimedia approach to fate and transport modeling and pollution control design options. Includes numerous worked-out examples and hundreds of problems.

CRC Press

June 2020 : 496pp

Pb: 978-0-367-57205-1 : £45.99

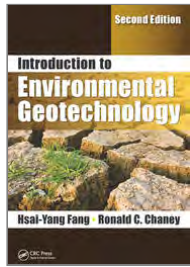
Hb: 978-1-498-73363-2 : £135

eBook: 978-0-429-49183-2

* For full contents and more information, visit: www.routledge.com/9780367572051

2ND EDITION

Introduction to Environmental Geotechnology



Hsai-Yang Fang Lehigh University, Bethlehem, Pennsylvania, USA, **Ronald C. Chaney** Cal Poly Humboldt, USA

This new edition of a bestseller presents updated technology advances that have occurred since publication of the first edition. It increases the utility and scope of the content through numerous case studies and examples and an entirely new set of problems and solutions. The book also has an accompanying instructor's guide and presents rubrics by which instructors can increase student learning and evaluate student outcomes, chapter by chapter. The book focuses on the increasing importance of water resources and energy in the broader context of environmental sustainability. Its interdisciplinary coverage includes soil science, physical chemistry, mineralogy, geology, and ground pollution.

CRC Press

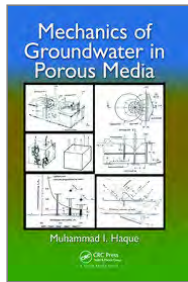
October 2016 : 677pp

Hb: 978-1-439-83730-6 : £130

eBook: 978-1-315-37473-4

* For full contents and more information, visit: www.routledge.com/9781439837306

Mechanics of Groundwater in Porous Media



Muhammad I. Haque George Washington University,
Washington, District of Columbia, USA

Maintaining a careful balance between mathematical rigor and the physical aspects of groundwater movement, this senior undergraduate- and graduate-level environmental engineering text covers the topic from theory to practice. Avoiding unnecessary mathematical subtleties and oversimplifications of qualitative descriptions, the book assumes calculus knowledge generally acquired during the first two semesters at a university, while further developing the skills needed for the analysis of groundwater movement. Featuring numerous illustrations and worked examples, the text also makes an excellent professional reference for engineers, geologists, and hydrologists.

CRC Press

March 2017 : 280pp

Pb: 978-1-138-07222-0 : **£58.99**

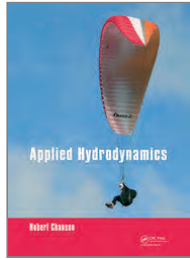
Hb: 978-1-466-58504-1 : **£155**

eBook: 978-0-429-10309-4

* For full contents and more information, visit: www.routledge.com/9781138072220

Applied Hydrodynamics

An Introduction



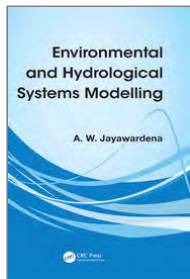
Hubert Chanson The University of Queensland, Brisbane, Australia

This textbook is grouped into two complementary sections: ideal fluid flow and real fluid flow. The former deals with two- and possibly three-dimensional fluid motions that are not subject to boundary friction effects, while the latter considers the flow regions affected by boundary friction and turbulent shear. The lecture material is designed as an intermediate course in fluid dynamics for senior undergraduate and postgraduate students in Civil, Environmental, Hydraulic and Mechanical Engineering. It is supported by notes, applications, remarks and discussions in each chapter. Moreover a series of electronic appendices is added on the website. Homework assignments are developed.

CRC Press
August 2013 : 448pp
Hb: 978-1-138-00093-3 : £105
eBook: 978-0-429-22783-7

* For full contents and more information, visit: www.routledge.com/9781138000933

Environmental and Hydrological Systems Modelling



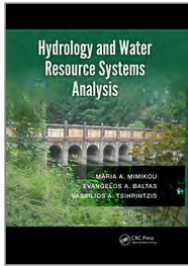
A W Jayawardena The University of Hong Kong

Providing the tools students and professionals need, this book details different approaches to modelling the water environment over a range of spatial and temporal scales. Their applications are shown with a series of case studies, taken mainly from the Asia-Pacific Region. Topics include linear systems, conceptual models, data driven models, process-based models, risk-management models, model parameter estimation as well as model calibration, validation, and testing.

CRC Press
January 2014 : 536pp
Pb: 978-0-415-46532-8 : £76
eBook: 978-1-315-27244-3

* For full contents and more information, visit: www.routledge.com/9780415465328

Hydrology and Water Resource Systems Analysis



Maria A. Mimikou National Technical University of Athens, Greece, **Evangelos A. Baltas** National Technical University of Athens, Greece, **Vassilios A. Tsihrintzis** National Technical University of Athens, Greece

Hydrology and water resources analysis can be looked at together, but this is the only book that presents the relevant material and bridges the gap between scientific processes and applications in one text. It is written for advanced undergraduate and graduate students and for practitioners. It can assist hydrologists and water-related professionals with an unfamiliar term or a new subject area, a formula, the procedure for solving a problem, guidance on the available computer packages, or how to obtain values from a table of data.

CRC Press

November 2018 : 464pp

Pb: 978-0-367-02801-5 : **£25.99**

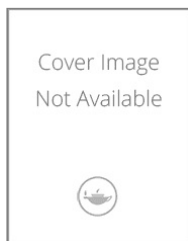
Hb: 978-1-466-58130-2 : **£81.99**

eBook: 978-1-315-37424-6

* For full contents and more information, visit: www.routledge.com/9780367028015

3RD EDITION

Environmental Microbiology for Engineers



Volodymyr Ivanov Iowa State University, Ames, USA;
Nanyang Technological University, Singapore

The third edition of *Environmental Microbiology for Engineers* explores the role that microorganisms play in the engineered protection and enhancement of an environment. Offering a perfect balance of microbiological knowledge and environmental biotechnology principles, it provides a practical understanding of microorganisms and their functions in the environment and in the environmental engineering systems. The book also presents a quantitative description of applied microbiological processes and their engineering design.

CRC Press

August 2024 : 524pp

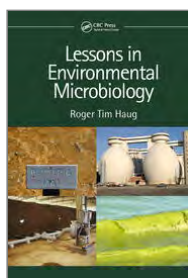
Pb: 978-0-367-52504-0 : £45.99

Hb: 978-0-367-32165-9 : £110

eBook: 978-0-429-31715-6

* For full contents and more information, visit: www.routledge.com/9780367525040

Lessons in Environmental Microbiology



Roger Tim Haug Consultant, Torrance, California, USA;
Loyola Marymount University-Emeritus

This new book provides an understanding of the microbial processes used in the environmental engineering and science fields. It examines both basic theory as well as the latest advancements in practical applications, including nutrient removal and recovery, methanogenesis, suspended growth bioreactors, and more. The information is presented in a very user-friendly manner, it is not assumed that readers are already experts in the field. It also offers a brief history of how microbiology relates to sanitary practice, and examines the lessons learned from the great epidemics of the past. Numerous worked example problems are presented in every chapter.

CRC Press

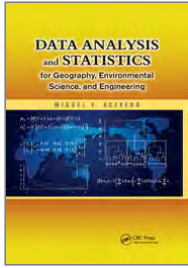
August 2019 : 790pp

Hb: 978-1-138-33658-2 : £145

eBook: 978-0-429-44290-2

* For full contents and more information, visit: www.routledge.com/9781138336582

Data Analysis and Statistics for Geography, Environmental Science, and Engineering



Miguel F. Acevedo

This practical, classroom-tested textbook helps readers learn quantitative methodology, including how to implement advanced analysis methods using an open-source software platform. Based on the author's many years of teaching undergraduate and graduate students in several countries, the book brings together principles of statistics and probability, multivariate analysis, and spatial analysis methods applied to a variety of geographical and environmental models. Theory is accompanied by practical hands-on computer exercises, progressing from easy to difficult. The text also presents a review of mathematical methods, making the book self-contained.

CRC Press

December 2019 : 560pp

Pb: 978-0-367-86679-2 : **£52**

Hb: 978-1-439-88501-7 : **£115**

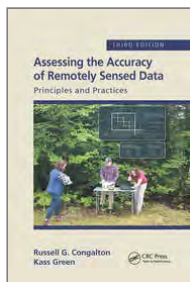
eBook: 978-0-429-16914-4

* For full contents and more information, visit: www.routledge.com/9780367866792

3RD EDITION

Assessing the Accuracy of Remotely Sensed Data

Principles and Practices, Third Edition

**Russell G. Congalton , Kass Green**

The field of assessing the accuracy of maps derived from remotely sensed data has continued to develop and mature since the first edition of this book in 1999. The third edition will have all chapters reviewed and updated with any new information available today. It will include a redo of spatial accuracy chapter to update for new ASPRS standards and better explain the issue with RMSE. Another new chapter on AA sampling for objects vs pixels will be included; an object-based case study and more information on proportional sampling. Finally, an entire new chapter on collection of reference data for general use and sharing in the public domain will complete the third edition.

CRC Press

September 2020 : 348pp

Pb: 978-0-367-65667-6 : **£45.99**Hb: 978-1-498-77666-0 : **£145**

eBook: 978-0-429-05272-9

* For full contents and more information, visit: www.routledge.com/9780367656676

3RD EDITION

Fundamentals of Satellite Remote Sensing

An Environmental Approach, Third Edition

**Emilio Chuvieco** Universidad de Alcalá, Alcalá de Henares, Spain

This third edition covers the most recent advances since the publication of the previous book, relating to the acquisition and interpretation of remotely-sensed data. It includes updated EO missions, such as third generations of geostationary meteorological satellites, the new polar orbiting platforms (Suomi), the ESA Sentinels program, and high-resolution commercial systems. Low-altitude sensing systems and improved coverage of digital techniques used to extract environmental information from remote sensing will be included as well; particularly, new machine learning classification techniques. Extended coverage of radar and LIDAR processing methods will also be included.

CRC Press

September 2023 : 432pp

Pb: 978-1-032-65444-7 : **£49.99**Hb: 978-1-138-58383-2 : **£110**

eBook: 978-0-429-50648-2

* For full contents and more information, visit: www.routledge.com/9781032654447

Remote Sensing and Digital Image Processing with R - Textbook and Lab Manual

**Marcelo de Carvalho Alves , Luciana Sanches**

This new textbook and lab manual on remote sensing and digital image processing of natural resources includes numerous practical, problem-solving exercises, and case studies that use the free and open-source platform R. It explains the basic concepts of remote sensing and its multidisciplinary applications using R language and R packages, and engages students in learning theory through hands-on real-life projects. Students in upper-level undergraduate or graduate programs, taking courses in remote sensing and geoprocessing, as well as professionals who use remote sensing and image processing, will benefit from the learn-by-doing methodology presented in this set.

CRC Press

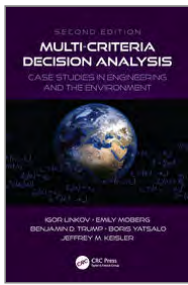
July 2023 : 714pp

Hb: 978-1-032-46123-6 : **£130*** For full contents and more information, visit: www.routledge.com/9781032461236

2ND EDITION

Multi-Criteria Decision Analysis

Case Studies in Engineering and the Environment



Igor Linkov US Army Engineer Research and Development, Brookline, Massachusetts, USA, **Emily Moberg** Massachusetts Institute of Technology, USA, **Benjamin D. Trump**, **Boris Yatsalo**, **Jeffrey M. Keisler**

Series: Environmental Assessment and Management

Decision Analysis has become more widely recognized as an important process for translating science into management action. With climate change as a driving force in creating environmental problems, there is a great need for understanding decision making framework through a case-study based approach. This thoroughly updated second edition provides seven additional new case studies focused on sustainability. The breadth of the applications using MCDA methodologies combined with corresponding decision models implemented using DECERNS software package, this book is a great resource for professionals and students in learning and applying similar frameworks to other environmental projects.

CRC Press

May 2023 : 420pp

Pb: 978-0-367-54438-6 : **£54.99**

Hb: 978-0-367-34533-4 : **£135**

eBook: 978-0-429-32644-8

* For full contents and more information, visit: www.routledge.com/9780367544386

2ND EDITION

Waste Management Practices

Municipal, Hazardous, and Industrial, Second Edition

**John Pichtel** Ball State University, Muncie, Indiana, USA

A practical guide for the identification and management of a range of hazardous wastes, this book integrates technical information including chemistry, microbiology, and engineering, with current regulations. Emphasizing basic environmental science and related technical fields, the book is an introductory manual for waste management as mandated by the Resource Conservation and Recovery Act (RCRA) and related statutes.

CRC Press

February 2014 : 682pp

Hb: 978-1-466-58518-8 : £180

eBook: 978-0-429-10308-7

* For full contents and more information, visit: www.routledge.com/9781466585188

Green Technologies for Waste Management

A Wealth from Waste Approach



J.P.N. Rai , Shweta Saraswat

Proper waste disposal is a serious concern worldwide. This book addresses various types of wastes such as industrial, agricultural, and municipal solid and liquid wastes, their generations, and the status of waste management in developed and developing countries. It discusses advanced green technologies used in harnessing energy and bioproducts from wastes such as electricity, biofuel, biopolymers, fertilizers, and chemicals, without damaging the quality of the environment, but rather creating an alternate source of energy. Through many applications and case studies, this comprehensive book helps readers build a state-of-the-art knowledge on waste utilization and energy generation.

CRC Press

September 2023 : 405pp

Hb: 978-1-032-23081-8 : **£115**

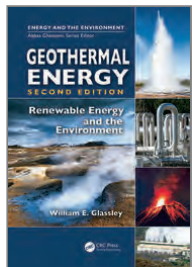
eBook: 978-1-003-27913-6

* For full contents and more information, visit: www.routledge.com/9781032230818

2ND EDITION

Geothermal Energy

Renewable Energy and the Environment, Second Edition



William E. Glassley Department of Earth and Planetary Sciences and The Energy Institute, University of California, Davis, USA, and Geologisk Institut, Aarhus University, Denmark

Series: Energy and the Environment

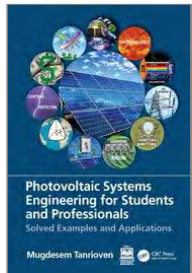
Fully updated and featuring a new chapter on enhanced geothermal systems, this second edition of a Choice Award winner contains the latest scientific information used to discern applications and regions best suited for geothermal energy. Stressing environmental effects related to acquisition and consumption, the text explores where geothermal energy comes from and how to find it, as well as how it can be accessed, applied, and improved for future use. It provides background, theory, and practical techniques for implementing different types of geothermal energy projects.

CRC Press
October 2014 : 424pp
Hb: 978-1-482-22174-9 : £160
eBook: 978-0-429-16198-8

* For full contents and more information, visit: www.routledge.com/9781482221749

Photovoltaic Systems Engineering for Students and Professionals

Solved Examples and Applications



Mugdesem Tanrioven Yildiz Technical University, Turkey

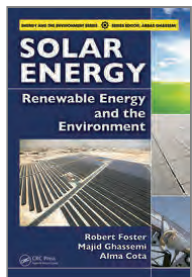
Photovoltaic Systems Engineering for Students and Professionals: Solved Examples and Applications examines photovoltaic (PV) power plants in a holistic way. PV installations of all types and sizes- from the smallest plant element to the largest system components- are approached from an electrical engineering perspective, and further explained through worked examples. It presents the different forms of energy and the energy conversions between them in a clear and understandable way. The book is both an essential resource for students as well as practicing engineers working in the solar photovoltaic areas and critical work for all electrical engineers.

CRC Press
October 2023 : 620pp
Hb: 978-1-032-54185-3 : £130
eBook: 978-1-003-41557-2

* For full contents and more information, visit: www.routledge.com/9781032541853

Solar Energy

Renewable Energy and the Environment



Robert Foster MSC WERC, Las Cruces, New Mexico, USA, **Majid Ghassemi** New Mexico Tech, Albuquerque, New Mexico, USA, **Alma Cota**

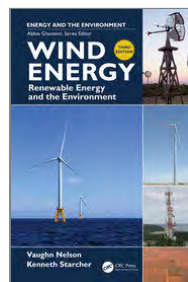
Series: Energy and the Environment

Drawing on the authors' extensive research and project implementation around the globe, this book provides detailed knowledge for converting solar radiation into a suitable energy supply. It presents technical fundamentals to give a clear understanding of how solar energy can be captured for later use. The authors examine thermosolar collectors, photovoltaics modules, and other important types of solar receivers as well as cover typical cost-effective applications, including water pumping, residential electrification, lighting, small-scale irrigation, and more. Examples, case studies, and lessons learned from technical failures illustrate how to best implement solar energy projects.

CRC Press
August 2009 : 380pp
Hb: 978-1-420-07566-3 : £135
eBook: 978-0-429-13989-5

* For full contents and more information, visit: www.routledge.com/9781420075663

3RD EDITION

Wind Energy: Renewable Energy and the Environment

Vaughn Nelson West Texas A&M University, Canyon, USA, **Kenneth Starcher** West Texas A&M University, Canyon, USA

Series: Energy and the Environment

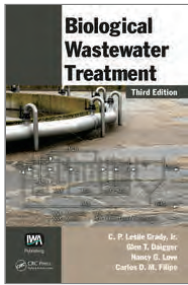
This book explores the wind industry from its inception in the 1970s to today; presents the design, aerodynamics, operation, control, applications, and different types of wind turbines; and provides ample reasons to shift from fossil fuels to renewable energy. It also discusses the political and economic factors regarding the adoption of wind as an energy source. It covers the characteristics of wind, such as shear, power potential, and turbulence, and discusses the measurement and siting of individual wind turbines and wind farms. This new edition is fully updated throughout, and adds new material on wind forecasting, offshore wind, decommissioning and repowering wind farms, and more.

CRC Press
November 2018 : 326pp
Hb: 978-1-138-61534-2 : £130
eBook: 978-0-429-46315-0

* For full contents and more information, visit: www.routledge.com/9781138615342

3RD EDITION

Biological Wastewater Treatment



C. P. Leslie Grady, Jr. Clemson University, South Carolina, USA, **Glen T. Daigger** CH2M Hill, Englewood, Colorado, USA, **Nancy G. Love** University of Michigan, Ann Arbor, USA, **Carlos D. M. Filipe** McMaster University, Hamilton, Ontario, Canada

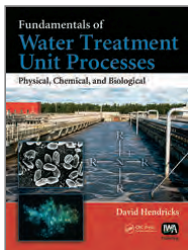
Written by experts in the field, this thoroughly updated third edition covers commonly used and emerging suspended and attached growth reactors. Drawing on their extensive academic and industrial experience, the authors discuss combined carbon and ammonia oxidation, activated sludge, biological nutrient removal, aerobic digestion, anaerobic processes, lagoons, trickling filters, rotating biological contactors, fluidized beds, and biologically aerated filters. They integrate the principles of biochemical processes with applications in the real world, communicating approaches to the conception, design, operation, and optimization of biochemical unit operations in a comprehensive yet lucid manner.

CRC Press
May 2011 : 1022pp
Hb: 978-0-849-39679-3 : £190
eBook: 978-0-429-12471-6

* For full contents and more information, visit: www.routledge.com/9780849396793

Fundamentals of Water Treatment Unit Processes

Physical, Chemical, and Biological



David Hendricks Colorado State University, Fort Collins, USA

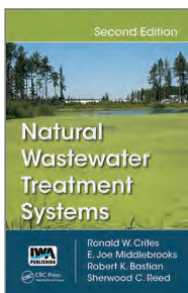
Balancing coverage of theoretical and practical principles, Fundamentals of Water Treatment Unit Processes comprehensively explores physical-chemical and biological unit processes applicable to water treatment. Concise yet comprehensive, the text reviews historical development and then highlights key concepts for each unit process. With chapter glossaries, sidebars, illustrative examples, spreadsheet tables, problems, and a solutions manual, this book serves as an ideal resource for graduate students, since it offers a complete presentation of the full scope of biological treatment. Additional supporting material is available for download on the web.

CRC Press
November 2010 : 928pp
Hb: 978-1-420-06191-8 : £160
eBook: 978-0-429-10903-4

* For full contents and more information, visit: www.routledge.com/9781420061918

2ND EDITION

Natural Wastewater Treatment Systems



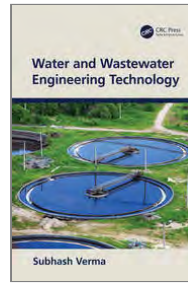
Ronald W. Crites Brown and Caldwell, Davis, California, USA, **E. Joe Middlebrooks** Superior, Colorado, USA, **Robert K. Bastian**

This new edition examines all changes and advancements that have taken place since the previous edition published in 2005. It outlines the planning, feasibility assessment, and site selection methods unique to natural processes as well as the basic process responses and interactions governing natural systems. It examines the systems in detail, discussing wastewater pond systems, free water surface constructed wetlands, subsurface and vertical flow constructed wetlands, land treatment, sludge management, and onsite wastewater systems. The book illustrates practical aspects through numerous examples and data tables.

CRC Press
March 2014 : 552pp
Hb: 978-1-466-58326-9 : £190
eBook: 978-0-429-18965-4

* For full contents and more information, visit: www.routledge.com/9781466583269

Water and Wastewater Engineering Technology



Subhash Verma Sault College of Applied Arts and Technology, Canada

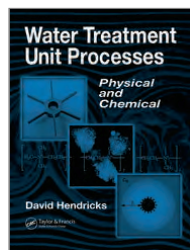
Water and Wastewater Engineering Technology presents the basic concepts and applications of water and wastewater engineering and technology. It is primarily designed for students pursuing programs in civil, water resources, and environmental engineering, and presents the fundamentals of water technology, hydraulics, chemistry, and biology. The material lays the foundation for typical one-semester courses in water engineering and also serves as a valuable resource to professionals operating and managing water and wastewater treatment plants.

CRC Press
July 2023 : 580pp
Hb: 978-1-032-39005-5 : £100
eBook: 978-1-003-34794-1

* For full contents and more information, visit: www.routledge.com/9781032390055

Water Treatment Unit Processes

Physical and Chemical



David W. Hendricks Colorado State University, Fort Collins, USA

Series: Civil and Environmental Engineering

Unit processes comprise the components of a treatment train used to remove contaminants from water. An understanding of these processes provides the foundation for continued learning and for designing treatment systems. The principles of unit processes also apply to ambient environmental contexts, such as transport of groundwater contaminants and stream pollution. Unit process theory is one of the core areas of an environmental engineering curriculum, and is important for the design of water treatment systems. This text provides grounding in the underlying principles of unit processes in a comprehensive approach that links theory to practice, suitable for a two-semester environmental engineering course.

CRC Press

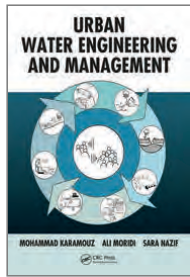
January 2006 : 1314pp

Hb: 978-0-824-70695-1 : £160

eBook: 978-1-315-27605-2

* For full contents and more information, visit: www.routledge.com/9780824706951

Urban Water Engineering and Management



Mohammad Karamouz Polytechnic Institute of New York University, Brooklyn, USA, **Ali Moridi** Tarbiat Modarres University, Tehran, Iran, **Sara Nazif** Polytechnic Institute of New York University, New York, USA, and University of Tehran, Iran

Based on the latest developments research, this book delineates a systems approach urban water hydrology, engineering, planning, and management. It covers a range of classic urban water management issues such as the modeling of urban water cycles, urban water supply and distribution systems, demand forecasting, wastewater and storm water collection and treatment.

CRC Press

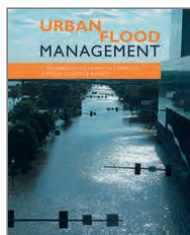
January 2010 : 628pp

Hb: 978-1-439-81310-2 : £140

eBook: 978-0-429-06637-5

* For full contents and more information, visit: www.routledge.com/9781439813102

Urban Flood Management



Chris Zevenbergen, **Adrian Cashman** University of Sheffield, UK, **Niki Evelpidou** University of Athens, Greece, **Erik Pasche** Hamburg University of Technology, Germany, **Stephen Garvin**, **Richard Ashley** Pennine Water Group, Sheffield, UK

Along with windstorms, floods are the most common and widespread of all natural disasters. As flood events appear to be rapidly increasing worldwide, an advanced and universal approach to urban floods and how to manage them will help reduce flood impact. This textbook integrates the expertise from disciplines such as hydrology, sociology, architecture, urban design, construction and water resources engineering. The subject is approached from an international perspective and various case studies, exercises, expert advice and literature recommendations are included to support the theory and illustrations. Intended for urban flood management education of students in aforementioned disciplines at university level; also for professional reference. Supporting website available.

CRC Press

September 2010 : 340pp

Pb: 978-0-415-55944-7 : £110

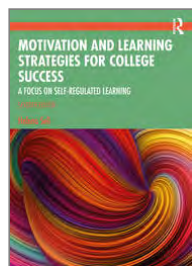
eBook: 978-0-429-10971-3

* For full contents and more information, visit: www.routledge.com/9780415559447

7TH EDITION

Motivation and Learning Strategies for College Success

A Focus on Self-Regulated Learning

**Helena Seli**

Now in its 7th edition, *Motivation and Learning Strategies for College Success: A Focus on Self-Regulated Learning* provides a framework organized around motivation, methods of learning, time management, control of the physical and social environment, and monitoring performance that makes it easy for students to recognize what they need to do to become successful learners. Full of rich pedagogical features and exercises, students will find Follow-Up Activities, Opportunities for Reflection, Chapter-End Reviews, Key Points, and a Glossary.

Routledge
August 2023 : 304pp
Pb: 978-1-032-47020-7 : **£51.99**
Hb: 978-1-032-47255-3 : **£145**
eBook: 978-1-003-38527-1

* For full contents and more information, visit: www.routledge.com/9781032470207

How to Become a Successful College Student

The Tools, Habits, and Skills Needed to Foster College Readiness



Scotty Dunlap Eastern Kentucky University, USA, **Brian Dudak** Middle Tennessee State University, USA

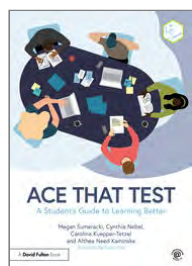
This book is your one-stop shop for the academic tools and habits needed to make your transition from high school to college a resounding success! The shift from high school to college can be a challenge, with many students finding the skills that had previously worked so well no longer seem to be enough. *How to Become a Successful College Student* outlines the strategies you need to 'level up' your current processes in order to foster learning and retention of information in a new and rigorous environment. This guide is a must-have resource for anyone who wants to maximize their higher education experience.

Prufrock Press
November 2023 : 202pp
Pb: 978-1-032-52409-2 : **£13.99**
eBook: 978-1-003-41268-7

* For full contents and more information, visit: www.routledge.com/9781032524092

Ace That Test

A Student's Guide to Learning Better



Megan Sumeracki, **Cynthia Nebel**, **Carolina Kuepper-Tetzl**, **Althea Need Kaminske**

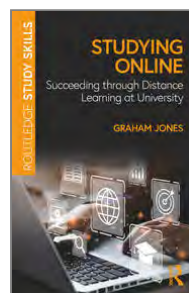
This exciting new text reveals the effective study strategies that will help you to use your time more efficiently, ace your tests, and retain information over time. In full colour and accompanied by beautifully illustrated graphics, *Ace That Test* offers evidence-based learning strategies that students can use during their study sessions, including dual coding and the power of retrieving what they know. With QR codes linking to answers to embedded questions and supplemental material, this is essential reading for college, university, and school students as well as educators teaching study skills or learning to learn courses.

Routledge
July 2023 : 146pp
Pb: 978-1-032-35585-6 : **£17.99**
Hb: 978-1-032-35586-3 : **£135**
eBook: 978-1-003-32753-0

* For full contents and more information, visit: www.routledge.com/9781032355856

Studying Online

Succeeding through Distance Learning at University



Graham Jones University of Buckingham, UK

Series: *Routledge Study Skills*

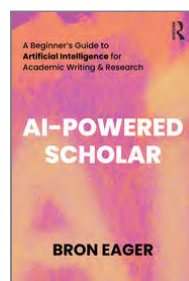
Helping you get to grips with online learning, this book contains a wealth of practical tips and strategies that will make studying online easier. Covering the advantages of online learning as well as the problems you might face, this book provides tried and tested advice to help you overcome those difficulties so that you can work to the best of your abilities. Identifying techniques designed specifically for studying online, with step-by-step instructions, as well as guidance on using online study software to the best effect, this must-have student companion provides tips and tricks to make university distance studying both effective and enjoyable.

Routledge
July 2022 : 244pp
Pb: 978-1-032-19539-1 : **£16.99**
Hb: 978-1-032-19538-4 : **£125**
eBook: 978-1-003-25969-5

* For full contents and more information, visit: www.routledge.com/9781032195391

AI-Powered Scholar

A Beginner's Guide to Artificial Intelligence for Academic Writing & Research



Bron Eager University of Tasmania, Australia

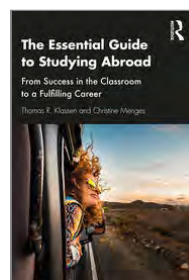
This book is a practical and comprehensive guide on using AI tools to streamline and optimise the academic writing and research process. Through a series of step-by-step instructions and practical tips, this book provides readers with the knowledge and tools they need to leverage the power of AI to produce high-quality academic publications. Whether you're a university student or a tenured professor, this book is your indispensable companion to beginning your path towards becoming an AI-powered scholar.

Routledge
December 2024 : 168pp
Pb: 978-1-032-66526-9 : **£18.99**
Hb: 978-1-032-66525-2 : **£135**
eBook: 978-1-032-66527-6

* For full contents and more information, visit: www.routledge.com/9781032665269

The Essential Guide to Studying Abroad

From Success in the Classroom to a Fulfilling Career



Thomas R. Klassen York University, Canada, **Christine Menges** WHU – Otto Beisheim School of Management, Germany

This book is an indispensable how-to-guide on flourishing when studying abroad, and how to use an international education to begin a fulfilling career after graduation. Written in an engaging and accessible style, using many examples, case studies and links to resources, the book reduces the stress of studying abroad. Covering all aspects of the international student experience – inside and outside the classroom – the book encourages young people to perform their very best and succeed in their new environment. International students preparing for cross cultural learning and recent graduates looking for employment will find this book both practical and inspiring.

Routledge
August 2019 : 238pp
Pb: 978-0-367-23516-1 : **£32.99**
Hb: 978-0-367-23515-4 : **£135**
eBook: 978-0-429-28011-5

* For full contents and more information, visit: www.routledge.com/9780367235161

How to Solve A Problem

Insights for Critical Thinking, Problem-Solving, and Success in College



Kelling J. Donald University of Richmond, USA

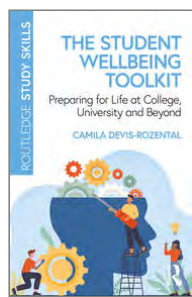
This concise and accessible resource offers new college students, especially those in science degree programs, guidance on engaging successfully with the classroom experience and skillfully tackling technical or scientific questions. The author provides insights on identifying, from the outset, individual markers for what success in college will look like for students, how to think about the engagement with professors as a partnership, and how to function effectively in that partnership toward achieving their pre-defined goals or markers of success. It is an ideal companion for science degree prospects and first-generation students seeking insight into the college experience.

CRC Press
April 2023 : 152pp
Pb: 978-1-032-20361-4 : **£24.99**
Hb: 978-1-032-20368-3 : **£62.99**
eBook: 978-1-003-26334-0

* For full contents and more information, visit: www.routledge.com/9781032203614

The Student Wellbeing Toolkit

Preparing for Life at College, University and Beyond



Camila Devis-Rozental Bournemouth University, UK

Series: Routledge Study Skills

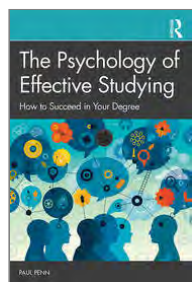
The Student Wellbeing Toolkit puts wellbeing at the centre of your journey into university and beyond. By encouraging self-efficacy and a focus on the things you can control, it provides clear guidance to enhance wellbeing and opportunities for self-reflection that help develop self-awareness and prosocial skills for life. Drawing on research evidenced theories around positive psychology, theories of learning, motivation, and self-development, the book explores what, how, and why these areas are key to our wellbeing and the rationale for taking them into account to enable you to flourish and thrive at university.

Routledge
June 2023 : 286pp
Pb: 978-1-032-32966-6 : **£17.99**
Hb: 978-1-032-32965-9 : **£145**
eBook: 978-1-003-31754-8

* For full contents and more information, visit: www.routledge.com/9781032329666

The Psychology of Effective Studying

How to Succeed in Your Degree



Paul Penn

This book provides a vital guide for students to key study skills that are instrumental in success at university. It uses a combination of research from cognitive psychology, humour and practical examples to convey where students often go fundamentally wrong in their studying practices and provides clear and concise advice on how they can improve. The book covers time management, academic integrity, writing essays, team work, and other key required skills for academic study. Written in a humorous and irreverent tone, and including illustrations and examples from popular culture, this is the ideal alternative and accessible study skills resource for any student at undergraduate level.

Routledge
August 2019 : 244pp
Pb: 978-1-138-57092-4 : **£19.99**
Hb: 978-1-138-57090-0 : **£120**
eBook: 978-0-203-70311-3

* For full contents and more information, visit: www.routledge.com/9781138570924

2ND EDITION

Stress, Cognition and Health

Real World Examples and Practical Applications



Tony Cassidy

The new edition of this bestselling textbook provides a comprehensive overview of the latest research on stress and health, moving beyond the former deficit model to a resource growth model. It examines all aspects of the topic, from how the external world and the impact of technology makes demands upon individuals, through biological and psychological processes, to outcomes in terms health and wellbeing. The process is set within a dynamic, multilevel systems and developmental lifespan perspective. The book includes a history of the evolution of stress research and the biological systems and immune responses that translate external pressures into health outcomes.

Routledge
October 2022 : 148pp
Pb: 978-0-367-56418-6 : **£35.99**
Hb: 978-0-367-56634-0 : **£125**
eBook: 978-1-003-09873-7

* For full contents and more information, visit: www.routledge.com/9780367564186

Making Your Doctoral Research Project Ambitious

Developing Large-Scale Studies with Real-World Impact



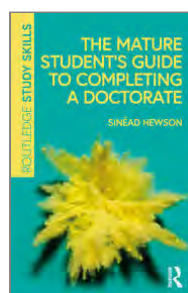
Edited by **Nadia Siddiqui** Durham University, UK,
Stephen Gorard Durham University, UK

This edited collection provides real and outstanding examples of multiple research design methodologies which will allow doctoral researchers to develop a wide set of research skills, leading to the development of a high-quality academic thesis from which peer reviewed research papers and books can emerge. Ideal reading for doctoral students and supervisors, this book is a source of encouragement and motivation for new researchers seeking to challenge general perceptions in the social sciences that PhD or other doctoral research projects must be small-scale rather trivial studies, but can instead produce robust findings that have real-world implications.

Routledge
April 2022 : 278pp
Pb: 978-1-032-06245-7 : **£27.99**
Hb: 978-1-032-05975-4 : **£135**
eBook: 978-1-003-20136-6

* For full contents and more information, visit: www.routledge.com/9781032062457

The Mature Student's Guide to Completing a Doctorate



Sinéad Hewson

Series: Routledge Study Skills

Carefully structured to make it accessible and easy to follow, this thought-provoking book encourages the reader to facilitate a dialogue across disciplines so that unconventional students are acknowledged and can discover a successful path towards admission and PhD completion. It is a must-read for advanced academic researchers, advanced post-graduate students and experienced professionals with vocational backgrounds who are seeking recognition for their knowledge and alternative pathways to contribute to the sector.

Routledge
April 2024 : 282pp
Pb: 978-1-032-53800-6 : **£16.99**
Hb: 978-1-032-53801-3 : **£135**
eBook: 978-1-003-41369-1

* For full contents and more information, visit: www.routledge.com/9781032538006

The Mature Student's Companion for Successful Undergraduate Study



David Allan Edge Hill University, UK

Series: Routledge Study Skills

A guiding resource and supportive companion, this book is designed for mature individuals intending to undertake an undergraduate degree. With a wealth of practical strategies for developing study skills, whilst, at the same time, addressing the changes that university study can bring, this key text highlights the significance of individual strengths obtained from life experiences, and demonstrates their importance in learning as a mature student. Packed full of activities to support development and case studies to exemplify a range of situations, this is a must-read for anyone looking to undertake an undergraduate degree as a mature student.

Routledge

June 2025 : 152pp

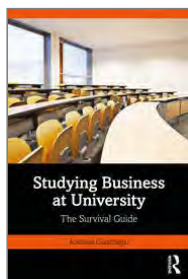
Pb: 978-1-032-61924-8 : **£29.99**

Hb: 978-1-032-61923-1 : **£145**

* For full contents and more information, visit: www.routledge.com/9781032619248

Studying Business at University

The Survival Guide



Andreas Giazitzoglou

Studying Business at University provides new and prospective undergraduates with a concise and easy-to-read insight into what life is like as a business student today. Written in the style of an email dialogue between two students, it informs and reassures the new business student who is seeking advice on how to get the most out of their degree experience, and covers the whole degree from application to graduation – and beyond. This book will also be a helpful reference for lecturers who want to give their students as much support as possible as they learn to balance the demands of academia with the pressures of the real world.

Routledge

March 2025 : 134pp

Pb: 978-1-032-74042-3 : **£39.99**

Hb: 978-1-032-74034-8 : **£145**

* For full contents and more information, visit: www.routledge.com/9781032740423

Academic Writing for University Students



Stephen Bailey Taught English internationally and at the Univ of Nottingham & Derby Univ & has previously published with Routledge

Designed to help students succeed in writing university-level essays and reports, this book has been carefully designed for use both in the classroom and for self-study. Covering three key areas: the writing process, elements of writing and writing models, it encourages critical writing and developing a voice. Academic Writing in the University provides all of the tools necessary to produce excellent written work. With progress checks, practical examples and self-testing units, this practical, user-friendly book covers all stages of the writing process and is an invaluable guide to academic writing in the university.

Routledge
December 2021 : 324pp
Pb: 978-0-367-44539-3 : **£21.99**
Hb: 978-0-367-44538-6 : **£135**
eBook: 978-1-003-01021-0

* For full contents and more information, visit: www.routledge.com/9780367445393

6TH EDITION

Academic Writing

A Handbook for International Students



Stephen Bailey Taught English internationally and at the Univ of Nottingham & Derby Univ & has previously published with Routledge

The sixth edition of this popular book has been written to help international students succeed in writing essays and reports for their English-language academic courses. Thoroughly revised and updated in a streamlined format making it even easier to use, it is designed to let readers find the support they need easily, both in the classroom and for self-study. The book consists of three parts, comprising a total of 28 units, all of which are fully cross-referenced and can be taught in conjunction with each other or used for reference. A progress check at the end of each part allows students to self-assess their learning.

Routledge
March 2025 : 320pp
Pb: 978-1-032-83417-7 : **£26.99**
Hb: 978-1-032-83418-4 : **£145**
eBook: 978-1-003-50926-4

* For full contents and more information, visit: www.routledge.com/9781032834177

3RD EDITION

Academic Writing for International Students of Business and Economics



Stephen Bailey Taught English internationally and at the Univ of Nottingham & Derby Univ & has previously published with Routledge

Now in its third edition, this key text helps international students succeed in writing essays and reports for their business and economics course. Thoroughly revised and updated, it is designed to be used by teachers in the classroom and students for self-study. New topics in this edition include writing in groups, written British and American English, and reflective writing. In addition, the new interactive website has a full set of teaching notes as well as more challenging exercises, revision material and links to other sources. Written to deal with the specific language issues faced by international students, this practical, user-friendly book is an invaluable guide.

Routledge
January 2020 : 346pp
Pb: 978-0-367-28031-4 : **£27.99**
Hb: 978-0-367-28030-7 : **£135**
eBook: 978-0-429-29927-8

* For full contents and more information, visit: www.routledge.com/9780367280314

2ND EDITION

The Essentials of Academic Writing for International Students



Stephen Bailey Taught English internationally and at the Univ of Nottingham & Derby Univ & has previously published with Routledge

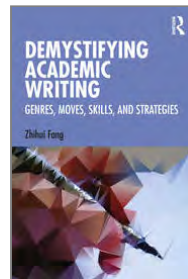
Written to help international students write essays and reports for their English-language university courses, this key title covers the essentials needed to achieve academic writing success. An easy-to-follow course that builds writing confidence and can be used both in the classroom and for self-study, this second edition has been thoroughly revised and updated to contain relevant examples, explanations and exercises. All international students wanting to maximise their academic potential will find this practical, concise and easy-to-use book an invaluable guide to writing in English for their degree courses.

Routledge
March 2024 : 252pp
Pb: 978-1-032-72170-5 : **£21.99**
Hb: 978-1-032-72173-6 : **£145**
eBook: 978-1-032-72172-9

* For full contents and more information, visit: www.routledge.com/9781032721705

Demystifying Academic Writing

Genres, Moves, Skills, and Strategies



Zhihui Fang

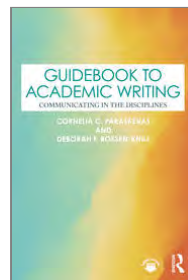
Accessible and informative, this book is designed to enhance the capacity of graduate and undergraduate students, as well as early career scholars, to write for academic purposes. Fang describes the key genres and types of academic writing, explains common rhetorical moves, offers linguistic strategies and insights to give students the skills they need for effective academic writing across genres and disciplines. Assuming no technical knowledge, this text is ideal for both non-native and native English speakers alike, and for courses in academic writing, composition, and L2 writing instruction.

Routledge
April 2021 : 286pp
Pb: 978-0-367-65354-5 : **£38.99**
Hb: 978-0-367-67508-0 : **£135**
eBook: 978-1-003-13161-8

* For full contents and more information, visit: www.routledge.com/9780367653545

Guidebook to Academic Writing

Communicating in the Disciplines



Cornelia C. Paraskevas, Deborah F. Rossen-Kniill

This innovative guidebook is a concise introduction to discipline-specific academic language. Using authentic texts written by both novice and expert writers and 'translating' current, corpus-based research of academic language into a practical guide, the book gives students the tools to navigate the linguistic features of various disciplines. With exercises and additional online resources, this guidebook provides students with a range of tools they can choose from in order to create effective texts that meet discipline and reader expectations. Accessibly written, it is an essential guide for all students in humanities and sciences writing academic texts in English.

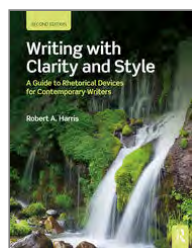
Routledge
July 2024 : 240pp
Pb: 978-1-032-48470-9 : **£37.99**
Hb: 978-1-032-48472-3 : **£145**
eBook: 978-1-003-38924-8

* For full contents and more information, visit: www.routledge.com/9781032484709

2ND EDITION

Writing with Clarity and Style

A Guide to Rhetorical Devices for Contemporary Writers

**Robert Harris**

Writing with Clarity and Style, 2nd Edition, will help you to improve your writing dramatically. The book shows you how to use dozens of classical rhetorical devices to bring power, clarity, and effectiveness to your writing. You will also learn about writing styles, authorial personas, and sentence syntax as tools to make your writing interesting and persuasive. If you want to improve the appeal and persuasion of your speeches, this is also the book for you.

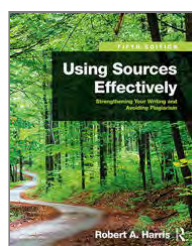
Routledge
December 2017 : 232pp
Pb: 978-1-138-56009-3 : **£36.99**
Hb: 978-1-138-56010-9 : **£135**
eBook: 978-0-203-71204-7

* For full contents and more information, visit: www.routledge.com/9781138560093

5TH EDITION

Using Sources Effectively

Strengthening Your Writing and Avoiding Plagiarism

**Robert Harris**

Now in its fifth, expanded edition, Using Sources Effectively, Fifth Edition targets the two most prominent problems in current research-paper writing: the increase in unintentional plagiarism and the ineffective use of research source material. Designed as a supplementary textbook for both undergraduate and graduate courses, this book will help every student who uses research in writing. Included in this edition is coverage of research strategies and source selection (Chapter 2), a chapter on quoting sources effectively (Chapter 4), and a chapter on sentence patterns (Chapter 10). APA and MLA citation styles have been updated throughout the text.

Routledge
January 2017 : 210pp
Pb: 978-1-138-28968-0 : **£54.99**
Hb: 978-1-138-28966-6 : **£165**
eBook: 978-1-315-26706-7

* For full contents and more information, visit: www.routledge.com/9781138289680

2ND EDITION

Renovating Your Writing

Shaping Ideas and Arguments into Clear, Concise, and Compelling Messages

**Richard Kallan**

Renovating Your Writing outlines the principles of effective composition by focusing on the essential skill set and mindset every successful writer must possess. Now in its second edition, this novel text provides readers with unique strategies for crafting and revising their writing, whether for school, work, or play. The new edition emphasizes, in particular, the importance of the writer embracing a rhetorical perspective, distinguishing between formal and social media compositional styles, and appreciating the effort needed to produce clear, concise, and compelling messages.

Routledge
July 2017 : 190pp
Pb: 978-1-138-72677-2 : **£28.99**
Hb: 978-1-138-72676-5 : **£135**
eBook: 978-1-315-18660-3

* For full contents and more information, visit: www.routledge.com/9781138726772

Clarity and Coherence in Academic Writing

Using Language as a Resource

**David Nunan , Julie Choi** University of Melbourne, Australia

This book presents a lively, rich, and concise introduction to the key concepts and tools for developing clarity and coherence in academic writing. Well-known authors and linguists David Nunan and Julie Choi provide examples of the linguistic procedures that writers can draw on to enhance clarity and coherence for the reader. This resource makes complex concepts accessible to the emergent writer and illustrates how these concepts can be applied to their own writing. In-text projects and tasks invite you, the reader, to experiment with principles and ideas in developing your identity and voice as a writer.

Routledge
March 2023 : 224pp
Pb: 978-1-032-01382-4 : **£26.99**
Hb: 978-1-032-01559-0 : **£125**
eBook: 978-1-003-17909-2

* For full contents and more information, visit: www.routledge.com/9781032013824

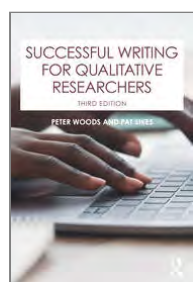
How to Write Qualitative Research**Marcus B. Weaver-Hightower** University of North Dakota, USA

Qualitative research has exploded in popularity in nearly every discipline from the social sciences to health fields to business. While many qualitative textbooks explain how to conduct an interview or analyze fieldnotes, rarely do they give more than a few scant pages to the skill many find most difficult: writing. That's where How to Write Qualitative Research comes in. Using clear prose, helpful examples and lists, it breaks down and explains the most common writing tasks in qualitative research, and each chapter suggests step-by-step how-to approaches writers can use to tackle those tasks.

Routledge
October 2018 : 282pp
Pb: 978-1-138-06631-1 : **£39.99**
Hb: 978-1-138-06630-4 : **£135**
eBook: 978-1-315-15926-3

* For full contents and more information, visit: www.routledge.com/9781138066311

3RD EDITION

Successful Writing for Qualitative Researchers**Peter Woods , Pat Sikes**

The third edition of this text has been brought fully up to date to cover developments in funding and institutional requirements. With new material on the responsibilities of the writer, technological developments, the ability to reach wider audiences and arts-based research, this book is designed to give practical advice to aspiring and established academic writers on mind-sets, strategies, techniques and opportunities. A must-read guide for all those looking to translate their qualitative research into writing.

Routledge
March 2022 : 190pp
Pb: 978-0-367-69823-2 : **£27.99**
Hb: 978-0-367-69822-5 : **£135**
eBook: 978-1-003-14340-6

* For full contents and more information, visit: www.routledge.com/9780367698232

9TH EDITION

Writing Empirical Research Reports

A Basic Guide for Students of the Social and Behavioral Sciences



Melisa C. Galvan California State University, Northridge, USA, **Fred Pyczkak**

Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioral Sciences, Ninth Edition, offers clear and practical guidance on how to write research proposals, reports, theses, and dissertations. Accompanied by online resources for students and instructors, this book is ideal for use in research methods courses, thesis/dissertation preparation courses, research seminars where writing a research report is a culminating activity, and any graduate-level seminar in which the instructor covers the vital components necessary to prepare a research manuscript for submission for publication.

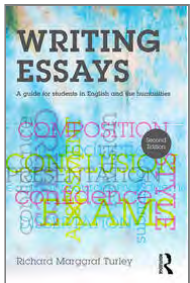
Routledge
October 2023 : 196pp
Pb: 978-1-032-13680-6 : **£56.99**
Hb: 978-1-032-13678-3 : **£135**
eBook: 978-1-003-23041-0

* For full contents and more information, visit: www.routledge.com/9781032136806

2ND EDITION

Writing Essays

A guide for students in English and the humanities



Richard Marggraf Turley Aberystwyth University, Wales.

Essays are a major form of assessment in higher education today and this is a fact that causes some writers a great deal of anxiety. Fortunately, essay writing is a skill that can be learned, like any other. Writing Essays demystifies the entire process of essay writing and reveals the tricks of the trade, making your student life easier. You'll learn how to impress tutors by discovering exactly what markers look for when they read your work. Using practical examples selected from real student assignments and tutor feedback, this book covers every aspect of composition, from introductions and conclusions, down to presentation and submission.

Routledge
November 2015 : 158pp
Pb: 978-1-138-91669-2 : **£19.99**
Hb: 978-1-138-91668-5 : **£135**
eBook: 978-1-315-68944-9

* For full contents and more information, visit: www.routledge.com/9781138916692

8TH EDITION

Writing Literature Reviews

A Guide for Students of the Social and Behavioral Sciences



Melisa C. Galvan California State University, Northridge, USA, **Jose L. Galvan** Professor Emeritus, California State University, Los Angeles.

Writing Literature Reviews provides students with practical guidelines for the complex process of writing literature reviews for course projects, theses or dissertations, and research manuscripts for publication. It is ideal for use in research methods courses, thesis/dissertation preparation courses, research seminars where a literature review is expected as a culminating activity, or any course in which the instructor needs to cover the vital components necessary to prepare a literature review for a variety of audiences. The book is supported by online materials including self-test quizzes for students, and lecture slides for instructors.

Routledge
November 2024 : 288pp
Pb: 978-1-032-32868-3 : **£62.99**
Hb: 978-1-032-32862-1 : **£180**
eBook: 978-1-003-31709-8

* For full contents and more information, visit: www.routledge.com/9781032328683

Writing Using Sources for Academic Purposes

Theory, Research and Practice



Rosemary Wette

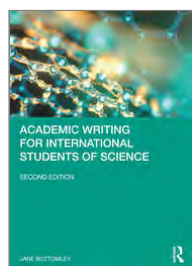
Writing Using Sources for Academic Purposes: Theory, Research and Practice provides research-based information about key components of source-based writing, and the challenges it presents for novices.

Routledge
December 2020 : 164pp
Pb: 978-0-367-17592-4 : **£37.99**
Hb: 978-0-367-17590-0 : **£135**
eBook: 978-0-429-05751-9

* For full contents and more information, visit: www.routledge.com/9780367175924

2ND EDITION

Academic Writing for International Students of Science



Jane Bottomley University of Manchester

This second edition is an accessible companion designed to help science and technology students develop the knowledge, skills and strategies needed to produce clear and coherent academic writing in their university assignments. Using authentic texts to explore the nature of scientific writing, the book covers key areas such as scientific style, effective sentence and paragraph structure, and coherence in texts and arguments. Throughout the book, a range of tasks offers the opportunity to put theory into practice. This is an invaluable tool for the busy science or technology student looking to improve their writing and reach their full academic potential.

Routledge

October 2021 : 220pp

Pb: 978-0-367-63272-4 : **£27.99**

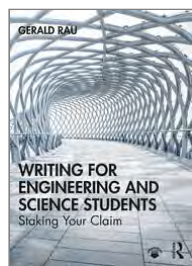
Hb: 978-0-367-63271-7 : **£135**

eBook: 978-1-003-11857-2

* For full contents and more information, visit: www.routledge.com/9780367632724

Writing for Engineering and Science Students

Staking Your Claim



Gerald Rau

Drawing on his extensive experience of teaching international students, Gerald A. Rau provides a clear "argument structure" for students to follow when undertaking both academic and technical writing. This is the first book to make clear the different structures required for engineering versus scientific articles. Tasks and exercises are provided throughout. Using the research article as a model and covering lab reports, research proposals, dissertations, poster presentations, industry reports, emails and job applications, this book is essential reading for all students of science and engineering who are taking a course in writing, or seeking a resource to aid in their writing assignments.

Routledge

August 2019 : 324pp

Pb: 978-1-138-38825-3 : **£36.99**

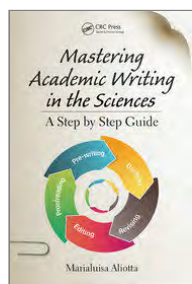
Hb: 978-1-138-38824-6 : **£135**

eBook: 978-0-429-42568-4

* For full contents and more information, visit: www.routledge.com/9781138388253

Mastering Academic Writing in the Sciences

A Step-by-Step Guide



Marialuisa Aliotta

This book provides a comprehensive and coherent step-by-step guide to writing in scientific academic disciplines. It is an invaluable resource for those working on a PhD thesis, research paper, dissertation, or report. Writing these documents can be a long and arduous experience for students and their supervisors, and even for experienced researchers. However, this book can hold the key to success. Mapping the steps involved in the writing process - from acquiring and organizing sources of information, to revising early drafts, to proofreading the final product - it provides clear guidance on what to write and how best to write it.

CRC Press

April 2018 : 200pp

Pb: 978-1-498-70147-1 : **£47.99**

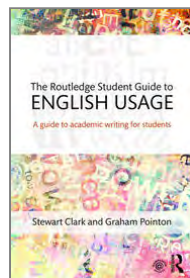
Hb: 978-1-138-74288-8 : **£120**

eBook: 978-1-351-00214-1

* For full contents and more information, visit: www.routledge.com/9781498701471

The Routledge Student Guide to English Usage

A guide to academic writing for students



Stewart Clark Norwegian University of Science and Technology, **Graham Pointon**

The Routledge Student Guide to English Usage is an authoritative A-Z guide to key aspects of English usage. Covering approximately 4000 carefully selected words, the authors focus on groups of confusable words that sound alike, look alike or are frequently mixed up. Examples of good usage are drawn from corpora such as the British National Corpus and the Corpus of Contemporary American English. A substantial reference section is also provided with stylistic guidance on academic writing skills, email standards, punctuation and grammar tips. This is the essential reference text for all students working on improving their academic writing skills.

Routledge

May 2016 : 402pp

Pb: 978-1-138-93359-0 : **£37.99**

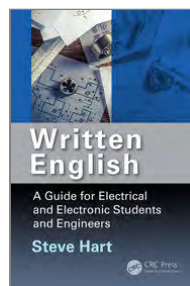
Hb: 978-1-138-93358-3 : **£135**

eBook: 978-1-315-67843-6

* For full contents and more information, visit: www.routledge.com/9781138933590

Written English

A Guide for Electrical and Electronic Students and Engineers



Steve Hart English Language Editor and Resource Writer, Cambridge, UK

This book covers all aspects of English grammar relevant to electrical and electronic engineers. It discusses working with numbers and algebra, including correct formatting procedures (both body citations and references). The book addresses vocabulary and stylistic issues, describes the level of writing expected in the field, reveals often-made mistakes, and indicates areas where engineers should focus their efforts. The text also offers unique insight into problems students and academics face on a day-to-day basis when writing in a language that is not their mother tongue.

CRC Press

December 2015 : 216pp

Pb: 978-1-498-73962-7 : **£37.99**

Hb: 978-1-138-42241-4 : **£180**

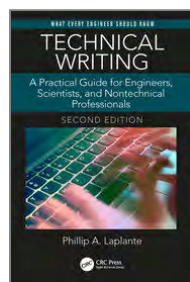
eBook: 978-1-315-21412-2

* For full contents and more information, visit: www.routledge.com/9781498739627

2ND EDITION

Technical Writing

A Practical Guide for Engineers, Scientists, and Nontechnical Professionals, Second Edition



Philip A. Laplante The Pennsylvania State University, Malvern, USA

Series: What Every Engineer Should Know

The second edition enables readers to write, edit, and publish materials of a technical nature, including books, articles, reports, and electronic media. In addition, a focus on writing for the nontechnical persons working in the technology world and the nonnative English speaker has been incorporated.

CRC Press

August 2018 : 300pp

Pb: 978-1-138-62810-6 : **£45.99**

Hb: 978-1-138-60696-8 : **£145**

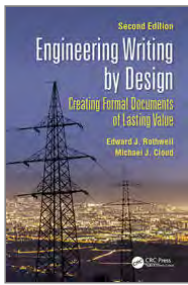
eBook: 978-0-429-46739-4

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2ND EDITION

Engineering Writing by Design

Creating Formal Documents of Lasting Value, Second Edition



Edward J. Rothwell , Michael J. Cloud

This book shows how effective writing can be achieved by thinking like an engineer. Based on the authors' combined experience as engineering educators, the book presents a novel approach to technical writing, positioning formal writing tasks as engineering design problems with requirements, constraints, protocols, standards, and customers (readers) to satisfy. Featuring illustrative examples, chapter summaries and exercises, quick-reference tables, and recommendations for further reading, this book is packed with valuable tips and information practicing and aspiring engineers need to become effective writers.

CRC Press

January 2020 : 257pp

Pb: 978-0-367-34754-3 : **£49.99**

Hb: 978-0-367-89682-9 : **£105**

eBook: 978-0-429-32769-8

* For full contents and more information, visit: www.routledge.com/9780367347543

50 Things to Think About When Writing a Thesis

Paving Your Own Path to Submission



Donna Starks University of Auckland, New Zealand,
Margaret J. Robertson La Trobe University, Australia

This book shows thesis writers how to embrace the individual nature of writing, bringing their own unique identities and skillsets to their thesis. Each idea is presented as one that has multiple solutions depending on who the readers are and what they want to achieve. The book guides the reader on identifying their own ways of working, their own particular strengths, as well as their unique voice and how to use these as tools to navigate the process of writing and surviving the thesis. It also provides practical guidance on elements such as the literature review and methodology, considerations around language and how to deal with life after submission.

Routledge

August 2023 : 136pp

Pb: 978-1-032-34699-1 : **£26.99**

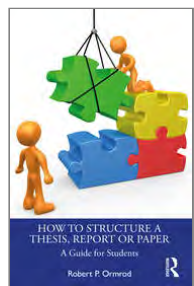
Hb: 978-1-032-34700-4 : **£135**

eBook: 978-1-003-32340-2

* For full contents and more information, visit: www.routledge.com/9781032346991

How to Structure a Thesis, Report or Paper

A Guide for Students



Robert P. Ormrod

This book provides concise practical guidance for students to help make their student's writing process more structured for their group work or thesis at any level. It therefore shows how to demonstrate meaningfully what they have learned in the relevant course or degree programme in a way that is accessible to the supervisor and the examiner. Suitable for students completing theses at Bachelors and Masters level, as well as other types of report-based work, and for supervisors looking for a clear and practical guide to help students with their writing process. The book will also provide a bridge to writing papers for journals in an academic career.

Routledge

November 2022 : 130pp

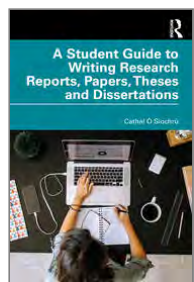
Pb: 978-1-032-36946-4 : **£17.99**

Hb: 978-1-032-36948-8 : **£125**

eBook: 978-1-003-33463-7

* For full contents and more information, visit: www.routledge.com/9781032369464

A Student Guide to Writing Research Reports, Papers, Theses and Dissertations



Cathal Ó Siochrú

This useful guide for students combines all the guidance, advice, and key tips needed to write successful research reports, theses, or dissertations, exploring, in detail, each of the elements involved in writing an academic paper. The book will guide you through all the key sections of a report including the Introduction, Literature Review, Method, Results, Discussion and more.

Routledge

November 2022 : 234pp

Pb: 978-0-367-62104-9 : **£19.99**

Hb: 978-0-367-62103-2 : **£125**

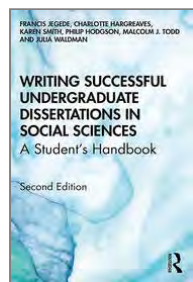
eBook: 978-1-003-10796-5

* For full contents and more information, visit: www.routledge.com/9780367621049

2ND EDITION

Writing Successful Undergraduate Dissertations in Social Sciences

A Student's Handbook



Francis Jegede, Charlotte Hargreaves, Karen Smith, Philip Hodgson, Malcolm J. Todd, and Julia Waldman

A practical guide for students undertaking their dissertation, this book uses real examples of dissertations across the Social Sciences. Providing an accessible overview of the essential steps in conducting research and writing dissertations, each chapter has clear learning outcomes and research objectives with relevant themes. Using a mixture of useful information, exercises, practical strategies, case study material and further reading, it gives hints and tips on beginning and managing a research project and working with supervisors. Packed with proven practical advice it is a dependable starting point and guide throughout the dissertation journey.

Routledge

February 2020 : 240pp

Pb: 978-0-367-25525-1 : **£22.99**

Hb: 978-0-367-25523-7 : **£135**

eBook: 978-0-429-28825-8

* For full contents and more information, visit: www.routledge.com/9780367255251

Principles and Concepts of Social Research

A Critical Examination of Methodology, Methods and Analysis for Emerging Researchers



Simon Hayhoe University of Exeter, UK.

This text covers the foundations of social science research, outlining the history and core elements of Western social research, along with a variety of topics, ranging from the history of scientific beliefs from Ancient Greece to the contemporary world. This book will be of use to core research units and training programs that universities provide at postgraduate level, at doctoral level and for early career post-doctoral researchers, to develop greater understanding of issues surrounding research. In addition to its theory, the contents of the book will include questions for discussion in seminars and small group work.

Routledge

December 2022 : 200pp

Pb: 978-1-032-14967-7 : **£33.99**

Hb: 978-1-032-14966-0 : **£125**

eBook: 978-1-003-24199-7

* For full contents and more information, visit: www.routledge.com/9781032149677

2ND EDITION

A Concise Guide to Writing a Thesis or Dissertation

Educational Research and Beyond



Halyna M. Kornuta, Ron W. Germaine

A Concise Guide to Writing a Thesis or Dissertation provides clear, concise, and intentional practice guidelines about organizing and writing a thesis or dissertation. Part I provides an overview for writing a thesis or dissertation. It describes the big picture of planning and formatting a research study, from identifying a topic through to writing quality. Part II describes the framework and substance of a research study. It models the pattern generally found in a formal, five-chapter research study.

Routledge

May 2019 : 134pp

Pb: 978-0-367-17458-3 : **£17.99**

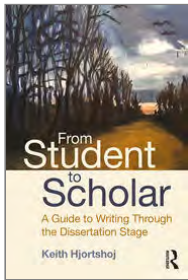
Hb: 978-0-367-17457-6 : **£120**

eBook: 978-0-429-05688-8

* For full contents and more information, visit: www.routledge.com/9780367174583

From Student to Scholar

A Guide to Writing Through the Dissertation Stage



Keith Hjortshoj John S. Knight Writing Program, Cornell University

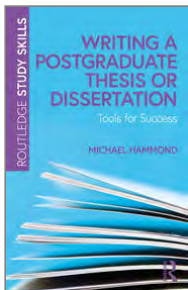
From Student to Scholar guides graduate students through the "hidden" developmental transition required in writing a dissertation and moving beyond, to become a successful scholar. Identifying common rhetorical challenges across disciplines, author Hjortshoj explains how to accommodate evolving audiences, motivations, standards, writing processes, and timelines. One full chapter is devoted to "writing blocks," and another offers advice to international students who are non-native speakers of English. The text also offers advice for managing relations with advisors and preparing for the diverse careers that PhDs, trained primarily as research specialists, actually enter.

Routledge
August 2018 : 204pp
Pb: 978-1-138-56944-7 : **£45.99**
Hb: 978-1-138-56942-3 : **£135**
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* For full contents and more information, visit: www.routledge.com/9781138569447

Writing a Postgraduate Thesis or Dissertation

Tools for Success



Michael Hammond

Series: Routledge Study Skills

Writing a Postgraduate Dissertation or Thesis discusses the challenges that students encounter in their writing and provides thoughtful advice on how to address those challenges. It provides key advice on how to write about a field of research, the tradition of methodology and methods undertaken, and the contribution to knowledge that is being made.

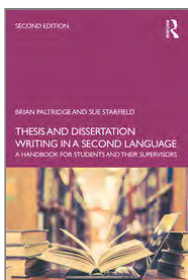
Routledge
July 2022 : 172pp
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Hb: 978-0-367-75281-1 : **£135**
eBook: 978-1-003-16182-0

* For full contents and more information, visit: www.routledge.com/9780367752828

2ND EDITION

Thesis and Dissertation Writing in a Second Language

A Handbook for Students and their Supervisors



Brian Paltridge, Sue Starfield

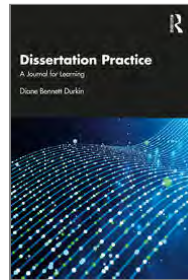
This fully updated edition is the guide for non-native speakers writing a thesis or dissertation in English. It explicitly unpacks academic writing, using accessible language and practical examples and discusses the issues that are crucial to success. These include: understanding the setting and purpose, understanding writer/reader relationships, issues of writer identity and what examiners really value. Suitable for students from all disciplines writing in a second language this book is equally valuable for supervisors of non-native speakers as it provides tasks that can be used with students to guide them in their writing.

Routledge
August 2019 : 248pp
Pb: 978-1-138-04870-6 : **£28.99**
Hb: 978-1-138-04869-0 : **£125**
eBook: 978-1-315-17002-2

* For full contents and more information, visit: www.routledge.com/9781138048706

Dissertation Practice

A Journal for Learning



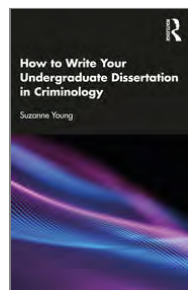
Diane Bennett Durkin

Dissertation Practice: A Journal for Learning is an interactive resource that promotes journaling to engender key dissertation practices, through activities and exercises. It is rooted in the view that students can use journaling to promote thought, and that the privacy of journal entries ensures comfort and familiarity. This personal context, along with the book's open prompts, allows students to engage in extended and alternative thinking. This is an essential resource for students in Ph.D and Ed.D programs in the social sciences and education who are using qualitative, quantitative, and mixed methods.

Routledge
October 2024 : 198pp
Pb: 978-1-032-85800-5 : **£24.99**
Hb: 978-1-032-85804-3 : **£135**
eBook: 978-1-003-51990-4

* For full contents and more information, visit: www.routledge.com/9781032858005

How to Write Your Undergraduate Dissertation in Criminology



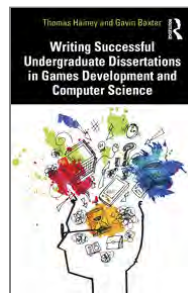
Suzanne Young

This book provides a guide for undergraduate criminology and criminal justice students undertaking their final year dissertation. Drawing on empirical case studies and including a range of resources and templates, this book takes students through each stage of the dissertation and offers useful guidance on structure and content.

Routledge
April 2022 : 146pp
Pb: 978-0-367-85999-2 : **£22.99**
Hb: 978-0-367-85998-5 : **£135**
eBook: 978-1-003-01633-5

* For full contents and more information, visit: www.routledge.com/9780367859992

Writing Successful Undergraduate Dissertations in Games Development and Computer Science



Thomas Hainey School of Computing, Engineering and Physical Sciences, University of the West of Scotland,
Gavin Baxter

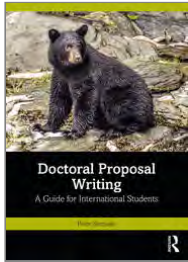
Writing a dissertation in the final year at university can be a daunting task, but particularly if the degree is practically oriented and implementation-based. This book provides a concise guide to producing a dissertation in Computer Science, Software Engineering or Games Development degrees with research projects typically involving design, implementation, testing and evaluation. Drawing on the authors' knowledge and experience of supervising dissertation students, the book offers a step-by-step guide to the key areas of writing a dissertation alongside real-life examples.

Routledge
November 2022 : 304pp
Pb: 978-0-367-51708-3 : **£19.99**
Hb: 978-0-367-51707-6 : **£125**
eBook: 978-1-003-05488-7

* For full contents and more information, visit: www.routledge.com/9780367517083

Doctoral Proposal Writing

A Guide for International Students



Peter Samuels

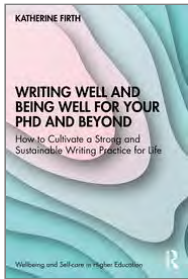
This book is an essential guide for current and prospective international doctoral students wishing to apply and study for a PhD in the UK, and other countries where courses are conducted in English. The book supports students in choosing a suitable research topic and writing an effective proposal for investigating this topic across a range of forms of doctoral research, across several disciplines, with an emphasis on international students and students with English as an additional language.

Routledge
October 2024 : 138pp
Pb: 978-1-032-56193-6 : **£26.99**
Hb: 978-1-032-56192-9 : **£145**
eBook: 978-1-003-43434-4

* For full contents and more information, visit: www.routledge.com/9781032561936

Writing Well and Being Well for Your PhD and Beyond

How to Cultivate a Strong and Sustainable Writing Practice for Life



Katherine Firth University of Melbourne, Australia

Series: Wellbeing and Self-care in Higher Education

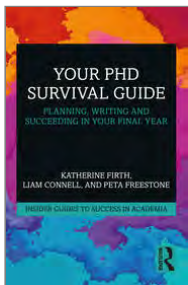
Prioritising wellbeing alongside academic development, this book provides practical advice to help students write well, and be well, during their PhD and throughout their career. Relevant at any stage of the writing process, this book will help doctoral students and early career researchers to produce great words that people want to read, examiners want to pass and editors want to publish.

Routledge
September 2023 : 200pp
Pb: 978-1-032-31081-7 : **£21.99**
Hb: 978-1-032-31082-4 : **£135**
eBook: 978-1-003-30794-5

* For full contents and more information, visit: www.routledge.com/9781032310817

Your PhD Survival Guide

Planning, Writing, and Succeeding in Your Final Year



Katherine Firth University of Melbourne, Australia, **Liam Connell**, **Peta Freestone**

Series: Insider Guides to Success in Academia

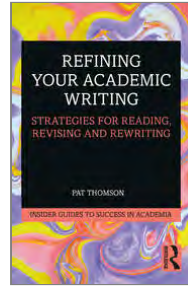
Accessible, insightful and a must-have toolkit for all doctoral students, the founders of the 'Thesis Boot Camp' intensive writing programme show how to survive and thrive through the challenging final year of writing and submitting a thesis. Drawing on an understanding of the intellectual, professional, practical and personal elements of the doctorate to help readers gain insight into what it means to finish a PhD and how to get there, this book covers common challenges and ways to resolve them. Written for students in all disciplines, and relevant to university systems around the world, this unique book expertly guides students through the final 6–12 months of the thesis.

Routledge
December 2020 : 222pp
Pb: 978-0-367-36184-6 : **£19.99**
Hb: 978-0-367-36183-9 : **£135**
eBook: 978-0-429-34439-8

* For full contents and more information, visit: www.routledge.com/9780367361846

Refining Your Academic Writing

Strategies for Reading, Revising and Rewriting



Pat Thomson

Series: Insider Guides to Success in Academia

This book will help you complete your writing project and provides a reading, revising, and rewriting repertoire that you can adapt and add to. It offers ways to think about revision and a basic tool kit which will help you to identify what needs your attention and why. This accessible book draws on and extends some of the most heavily used posts on Thomson's popular academic writing blog Patter, as well as tried and tested writing workshops. Written with a light touch, this is ideal reading for doctoral and early career researchers, this book provides strategies needed to support the writing revision process.

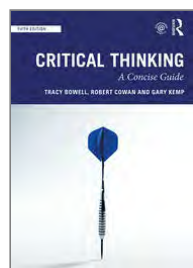
Routledge
December 2022 : 236pp
Pb: 978-0-367-46876-7 : **£18.99**
Hb: 978-0-367-46875-0 : **£125**
eBook: 978-1-003-03168-0

* For full contents and more information, visit: www.routledge.com/9780367468767

5TH EDITION

Critical Thinking

A Concise Guide



Tracy Bowell University of Waikato, New Zealand,
Robert Cowan, **Gary Kemp** University of Glasgow, UK

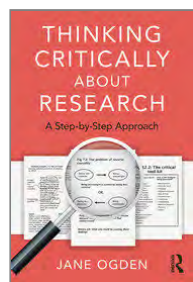
We are frequently confronted with arguments. Critical Thinking equips students with the concepts and techniques used in the analysis and assessment of arguments whatever the context. Through precise and accessible discussion, this book provides the tools to become a successful critical thinker, who can act and believe in accordance with good reasons, and who can articulate and make explicit those reasons. This fifth edition has been revised and updated throughout, including an expanded range of 'complete examples', the introduction of Venn diagrams, and the discussion of fake news and related phenomena arising in the contemporary scene.

Routledge
 August 2019 : 348pp
 Pb: 978-0-815-37143-4 : **£35.99**
 Hb: 978-0-815-37142-7 : **£135**
 eBook: 978-1-351-24373-5

* For full contents and more information, visit: www.routledge.com/9780815371434

Thinking Critically about Research

A Step by Step Approach



Jane Ogden

This book is designed to help readers develop a critical understanding of evidence and the ways in which evidence is presented, and to challenge the information they receive in both academic and non-academic sources. The author presents a step by step approach with a focus on knowing methods, culminating in a bespoke 'critical tool kit' which offers a practical checklist designed to be used when carrying out research. There are also learning features including tasks and worked examples, drawing on real research studies. This is an essential resource for students and researchers, and those putting research into practice, who want to have better critical thinking skills.

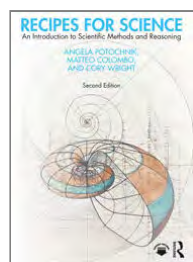
Routledge
 December 2018 : 176pp
 Pb: 978-0-367-00020-2 : **£36.99**
 Hb: 978-0-367-00019-6 : **£135**
 eBook: 978-0-429-44496-8

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2ND EDITION

Recipes for Science

An Introduction to Scientific Methods and Reasoning



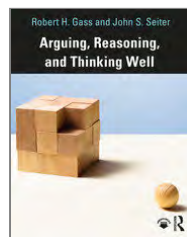
Angela Potochnik, **Matteo Colombo** Tilburg University, The Netherlands, **Cory Wright**

Today, scientific literacy is an essential aspect of any undergraduate education. Recipes for Science responds to this need by providing an accessible introduction to the nature of science and scientific methods, reasoning, and concepts

Routledge
 April 2024 : 378pp
 Pb: 978-1-032-29096-6 : **£42.99**
 Hb: 978-1-032-29097-3 : **£175**
 eBook: 978-1-003-30000-7

* For full contents and more information, visit: www.routledge.com/9781032290966

Arguing, Reasoning, and Thinking Well



Robert Gass, **John Seiter**

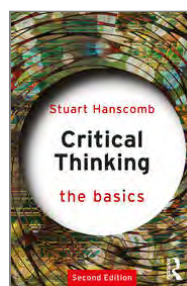
Arguing, Reasoning, and Thinking Well offers an engaging and accessible introduction to argumentation and critical thinking. Authors Gass and Seiter, renowned for their friendly writing style, include real-world examples, hypothetical dialogues, and editorial cartoons to invite readers in. The text includes a full chapter devoted to the ethics of argument, as well as content on refutation and formal logic. It is designed for students in argumentation and critical thinking courses in communication, philosophy, and psychology departments, and is suitable for students and general education courses across the curriculum.

Routledge
 June 2019 : 280pp
 Pb: 978-0-815-37433-6 : **£76.99**
 Hb: 978-0-815-37432-9 : **£155**
 eBook: 978-1-351-24249-3

* For full contents and more information, visit: www.routledge.com/9780815374336

2ND EDITION

Critical Thinking: The Basics



Stuart Hanscomb University of Glasgow, UK

Series: *The Basics*

An accessible and engaging introduction to the field of critical thinking, drawing on philosophy, communication and psychology. This 2nd edition has been revised and updated throughout and includes a new chapter on emotion and argument and how to build persuasive arguments. There are also many fresh examples, including conspiracy theories, trust, leadership and cultural cognition. With updated discussion questions/exercises and suggestions for further reading, this book is an essential read for students approaching the field of critical thinking for the first time, and for the general reader wanting to improving their thinking skills.

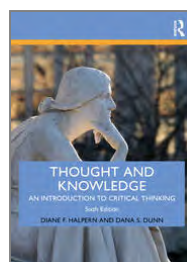
Routledge
 June 2023 : 286pp
 Pb: 978-1-032-16299-7 : **£18.99**
 Hb: 978-1-032-16301-7 : **£130**
 eBook: 978-1-003-24794-4

* For full contents and more information, visit: www.routledge.com/9781032162997

6TH EDITION

Thought and Knowledge

An Introduction to Critical Thinking



Diane F. Halpern Claremont McKenna College, USA,
Dana S. Dunn Moravian College, USA

Thought and Knowledge applies theory and research from the learning sciences to teach students the critical thinking skills that they need to succeed in today's world. The text is grounded in psychological science and brought to life through humorous and engaging language and numerous practical and real-world examples and anecdotes. Critical thinking skills are presented in every chapter, empowering students to learn more efficiently, research more productively, and present logical, critical, and informed arguments. The skills are reviewed at the end of the chapter, and a complete list of skills with definitions and examples are included in the appendix.

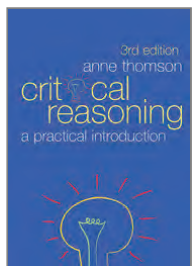
Routledge
 October 2022 : 428pp
 Pb: 978-1-138-65517-1 : **£61.99**
 Hb: 978-1-138-65516-4 : **£195**
 eBook: 978-1-032-32316-9 : **£61.99**

* For full contents and more information, visit: www.routledge.com/9781138655171

3RD EDITION

Critical Reasoning

A Practical Introduction

**Anne Thomson**

We all engage in the process of reasoning, but we don't always pay attention to whether we are doing it well. This book offers the opportunity to practise reasoning in a clear-headed and critical way, with the aims of developing an awareness of the importance of reasoning well and of improving the reader's skill in analyzing and evaluating arguments. Anne Thomson has updated and revised the book to include fresh and topical examples, and new chapters on evaluating the credibility of evidence and decision making and dilemmas. By the end of the book students should be able to identify flaws in arguments, analyze the reasoning in newspaper articles, books and speeches, assess the credibility of evidence and authorities and approach any topic with the ability to reason and think critically.

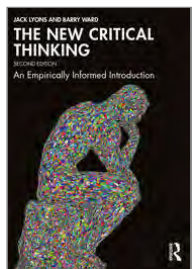
Routledge
September 2008 : 256pp
Pb: 978-0-415-44587-0 : **£36.99**
Hb: 978-0-415-44586-3 : **£135**
eBook: 978-0-203-87099-0

* For full contents and more information, visit: www.routledge.com/9780415445870

2ND EDITION

The New Critical Thinking

An Empirically Informed Introduction

**Jack Lyons, Barry Ward**

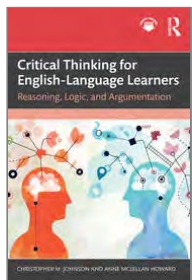
This highly innovative text aims to improve real-world critical thinking, incorporating insights from epistemology and philosophy of science to formulate best practices for assessing information sources and circumnavigate our natural intellectual blind spots. The book covers introductory logic in a way that emphasizes practical application, rather than formal completeness. This new edition provides ample resources and exercises for students and instructors alike both in-text and online.

Routledge
May 2024 : 412pp
Pb: 978-1-032-31728-1 : **£69.99**
Hb: 978-1-032-31730-4 : **£145**
eBook: 978-1-003-31102-7

* For full contents and more information, visit: www.routledge.com/9781032317281

Critical Thinking for English-Language Learners

Reasoning, Logic, and Argumentation

**Christopher M. Johnson, Anne McLellan Howard**

Critical Thinking for English-Language Learners is an accessible introduction to critical thinking and the use of informal logic for learners of English. Critical thinking skills are key to helping students learn how to reason in English. By developing informal logic skills, students can develop their critical thinking abilities to better assess why different types of arguments are successful or unsuccessful. Providing students with key skills to make and critique arguments in English, this book is a key resource for beginning and intermediate learners of English studying Critical Thinking, English for Academic Purposes, and Introduction to Philosophy.

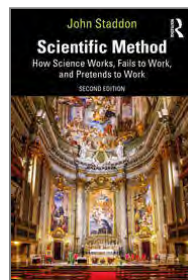
Routledge
February 2025 : 250pp
Pb: 978-1-032-75247-1 : **£39.99**
Hb: 978-1-032-75248-8 : **£145**

* For full contents and more information, visit: www.routledge.com/9781032752471

2ND EDITION

Scientific Method

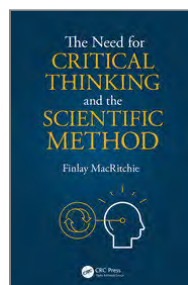
How Science Works, Fails to Work, and Pretends to Work

**John Staddon** Duke University, USA

This expanded second edition of Scientific Method shows how science works, fails to work, or pretends to work, by looking at examples from physics, biomedicine, psychology, sociology, and economics. Scientific Method is essential reading for students and professionals trying to make sense of the role of science in society, and of the meaning, value, and limitations of scientific methodology.

Routledge
June 2024 : 226pp
Pb: 978-1-032-65771-4 : **£31.99**
Hb: 978-1-032-68389-8 : **£145**
eBook: 978-1-032-68387-4

* For full contents and more information, visit: www.routledge.com/9781032657714

The Need for Critical Thinking and the Scientific Method**Finlay MacRitchie** Kansas State University, Manhattan, USA

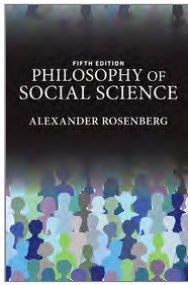
The book exposes many of the misunderstandings about the scientific method and its application to critical thinking. It argues for a better understanding of the scientific method and for nurturing critical thinking in the community. This knowledge helps the reader to analyze issues more objectively, and warns about the dangers of bias and propaganda. The principles are illustrated by considering several issues that are currently being debated. These include anthropogenic global warming (often loosely referred to as climate change), dangers to preservation of the Great Barrier Reef, and the expansion of the gluten-free food market and genetic engineering.

CRC Press
May 2018 : 152pp
Pb: 978-0-815-36775-8 : **£43.99**
Hb: 978-0-815-36815-1 : **£145**
eBook: 978-1-351-25587-5

* For full contents and more information, visit: www.routledge.com/9780815367758

5TH EDITION

Philosophy of Social Science



Alexander Rosenberg

Philosophy of Social Science provides a tightly argued yet accessible introduction to the philosophical foundations of the human sciences, including economics, anthropology, sociology, political science, psychology, history, and the disciplines emerging at the intersections of these subjects with biology. Philosophy is unavoidable for social scientists because the choices they make in answering questions in their disciplines force them to take sides on philosophical matters. Conversely, the philosophy of social science is equally necessary for philosophers since the social and behavior sciences must inform their understanding of human action, norms, and social institutions.

Routledge

July 2015 : 360pp

Pb: 978-0-813-34973-2 : **£43.99**

Hb: 978-0-367-09807-0 : **£135**

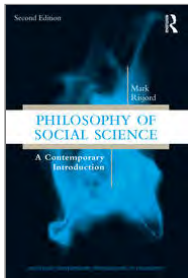
eBook: 978-0-429-49484-0

* For full contents and more information, visit: www.routledge.com/9780813349732

2ND EDITION

Philosophy of Social Science

A Contemporary Introduction



Mark Risjord Emory University, USA

Series: Routledge Contemporary Introductions to Philosophy

This accessible text offers a comprehensive overview of debates in the field, with special attention to new research programs. Topics include the relationship of social policy to social science, interpretive research, cognitive and evolutionary explanations, intentional action explanation, rational choice theory, conventions and social norms, joint intentionality, causal inference, and experimentation. The Second Edition provides updates with the most recent literature and adds two new chapters: one on modeling and one on the role of race and gender in the social sciences.

Routledge

July 2022 : 336pp

Pb: 978-1-032-07586-0 : **£39.99**

Hb: 978-1-032-07587-7 : **£180**

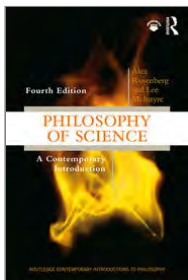
eBook: 978-1-003-20779-5

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4TH EDITION

Philosophy of Science

A Contemporary Introduction



Alex Rosenberg, Lee McIntyre

Series: Routledge Contemporary Introductions to Philosophy

Any serious student attempting to better understand the nature, methods, and justification of science will value this book. Weaving lucid explanations with clear analyses, the volume is as a much-used, thematically-oriented introduction to the field. The new edition has been thoroughly rewritten based on instructor and student feedback, to improve readability and accessibility, without sacrificing depth. It retains all of the logically structured, extensive coverage of earlier editions, which the journal Teaching Philosophy called, "the industry standard" and "essential reading" in a 2010 review.

Routledge

November 2019 : 308pp

Pb: 978-1-138-33151-8 : **£43.99**

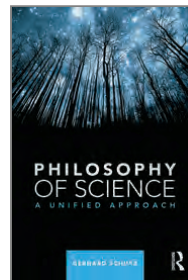
Hb: 978-1-138-33148-8 : **£135**

eBook: 978-0-429-44726-6

* For full contents and more information, visit: www.routledge.com/9781138331518

Philosophy of Science

A Unified Approach



Gerhard Schurz Dusseldorf University, Germany

Philosophy of Science: A Unified Approach combines an elementary introduction to philosophy of science with an integrated survey of all of its important subfields. Focusing on the methodological unity of the sciences, the book provides chapters with introductory sections, followed by complementary, advanced topics. By restricting the teaching materials to the introductory sections, one obtains the basis for a semester-long course. Covering all of the material contained in the book fills a year-long course.

Routledge

November 2013 : 480pp

Pb: 978-0-415-82936-6 : **£47.99**

Hb: 978-0-415-82934-2 : **£135**

eBook: 978-0-203-36627-1

* For full contents and more information, visit: www.routledge.com/9780415829366

Doing Academic Research

A Practical Guide to Research Methods and Analysis



Ted Gournelos

Doing Academic Research is a concise, accessible, and tightly organized overview of the research process in the humanities, social sciences, and business. Rather than a book about research, this is a practical guide to doing research, and guides budding researchers along the process of developing an effective workflow, where to go for help, and how to actually complete the project. It addresses diversity in abilities, interest, discipline, and ways of knowing by focusing not just on the process of conducting any one method in detail, but also the ways in which someone might choose a research method and conduct it successfully.

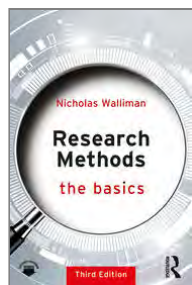
Routledge
May 2019 : 208pp
Pb: 978-0-367-20793-9 : **£17.99**
Hb: 978-0-367-20791-5 : **£120**
eBook: 978-0-429-26355-2

* For full contents and more information, visit: www.routledge.com/9780367207939

3RD EDITION

Research Methods

The Basics



Nicholas Walliman Oxford Brookes University, UK

Series: The Basics

Research Methods: The Basics is an accessible, user-friendly introduction to the different aspects of research theory, methods and practice. This third edition provides an expanded and fully updated resource suitable for students and practitioners in a wide range of disciplines including the natural sciences, social sciences and humanities. It is structured in two parts - the first covers the nature of knowledge and the reasons for doing research, the second explains the specific methods used to conduct an effective research project and how to propose, plan, carry out and write up a research project.

Routledge
December 2021 : 280pp
Pb: 978-0-367-69408-1 : **£18.99**
Hb: 978-0-367-69407-4 : **£130**
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* For full contents and more information, visit: www.routledge.com/9780367694081

2ND EDITION

Research Methods

The Key Concepts



Michael Hammond University of Warwick, UK, **Jerry Wellington** University of Sheffield, UK

Series: Routledge Key Guides

This invaluable resource provides a comprehensive overview of the many methods and methodologies of social research. Each entry provides a critical definition and examines the value and difficulties of a particular method or methodology of concept across different fields of social research. With thematic further reading stretching across the social sciences, this second edition will help readers develop a firm understanding of the rationale and principles behind key research methods, and is a must-have for new researchers at all levels, from undergraduate to postgraduate and beyond.

Routledge
September 2020 : 232pp
Pb: 978-0-367-17874-1 : **£19.99**
Hb: 978-0-367-17873-4 : **£96.99**
eBook: 978-0-429-05816-5

* For full contents and more information, visit: www.routledge.com/9780367178741

2ND EDITION

The Researcher's Toolkit

The Complete Guide to Practitioner Research



David Wilkinson Research Fellow within the Work-Based Learning Unit at the University of Leeds, **Dennis Dokter**

Designed for those undertaking research for the first time, the second edition of The Researcher's Toolkit is a practical and accessible guide for all those partaking in small-scale research. Jargon-free and assuming no prior knowledge, it covers the entire research process, from defining a research topic or question through to its completion. This book is a must-read guide for students and budding researchers as well as educators seeking to explain academic research and writing to their pupils. It will benefit anyone looking to complete a research project whether inside academia or beyond.

Routledge
May 2023 : 178pp
Pb: 978-1-032-01810-2 : **£26.99**
Hb: 978-1-032-01809-6 : **£135**
eBook: 978-1-003-18015-9

* For full contents and more information, visit: www.routledge.com/9781032018102

A-Z of Digital Research Methods



Catherine Dawson

This book provides a quick and easy, alphabetical reference guide for any student or researcher looking for an introduction to digital research methods. It provides a pathway through the often confusing digital research landscape, giving a concise introduction to each method.

Routledge
July 2019 : 424pp
Pb: 978-1-138-48680-5 : **£25.99**
Hb: 978-1-138-48679-9 : **£120**
eBook: 978-1-351-04467-7

* For full contents and more information, visit: www.routledge.com/9781138486805

11TH EDITION

Understanding Research Methods

An Overview of the Essentials



Michelle Newhart, **Mildred L. Patten**

A perennial bestseller since 1997, this updated eleventh edition of Understanding Research Methods provides a detailed overview of all the important concepts traditionally covered in a research methods class. It covers the principles of both qualitative and quantitative research, and how to interpret statistics without computations, so is suitable for all students regardless of their math background. The book is organized so that each concept is treated independently and can be used in any order without resulting in gaps in knowledge—allowing it to be easily and precisely adapted to any course.

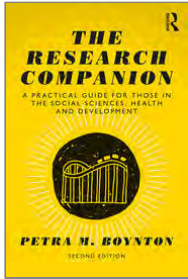
Routledge
June 2023 : 528pp
Pb: 978-0-367-55118-6 : **£91.99**
Hb: 978-0-367-55117-9 : **£240**
eBook: 978-1-003-09204-9

* For full contents and more information, visit: www.routledge.com/9780367551186

2ND EDITION

The Research Companion

A practical guide for those in the social sciences, health and development



Petra M. Boynton University College London, UK

Books on social and behavioral research too often focus on theory and methods and overlook the practical skills needed to undertake a research project. The Research Companion brings hard-earned lessons from the real world to offer clear and honest advice to all students and practitioners within the social and health sciences. The structure of the book makes it useful for researchers at all levels of experience: the numerous examples and case histories make it ideal for students just beginning their first research project, while the breadth of coverage and wealth of practical tips will also help more experienced researchers.

Routledge
September 2016 : 300pp
Pb: 978-1-138-91761-3 : £47.99
Hb: 978-1-138-91760-6 : £135
eBook: 978-1-315-68890-9

* For full contents and more information, visit: www.routledge.com/9781138917613

Are You Making a Meal Out of Research?

A Recipe for Research Success



Steve Reay, Cassie Khoo, Gareth Terry, Guy Collier, Trent Dallas, Valance Smith

Research methods in a comic! This visual guide to common research methods paradigms will get you started on thinking about your research journey - what research is and understanding different types of methods, how you choose them, and how you get started. The book includes several worksheets to start making your own research menu and further reading to learn more. Suitable for upper level undergraduate and first level postgraduate students in the social and behavioural sciences, healthcare, and those interested in indigenous and Māori research methods.

Routledge
May 2023 : 72pp
Pb: 978-1-032-39232-5 : £15.99
Hb: 978-1-032-39230-1 : £135
eBook: 978-1-003-34892-4

* For full contents and more information, visit: www.routledge.com/9781032392325

Literature Review and Research Design

A Guide to Effective Research Practice



Dave Harris

Graduate students executing their first independent research project often struggle to use academic literature effectively in the process of designing, developing, executing, and presenting their work. This book gives an overview of how to develop an effective research practice supported by the academic literature. Particularly suitable for those pursuing professional doctorates in subjects such as education and psychology.

Routledge
December 2019 : 176pp
Pb: 978-0-367-25037-9 : £25.99
Hb: 978-0-367-25036-2 : £120
eBook: 978-0-429-28566-0

* For full contents and more information, visit: www.routledge.com/9780367250379

5TH EDITION

Principles of Research in Behavioral Science



Mary E. Kite, Bernard E. Whitley, Jr Ball State University, USA

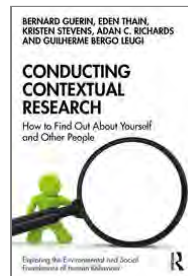
Now in its fifth edition, this invaluable textbook provides a comprehensive overview of research methods in the behavioral sciences, emphasizing the conceptual challenges inherent in scientific inquiry. Organized to mirror each stage of the research process, this text guides readers through the process, from formulating questions, to collecting data, to interpreting results. Ideal for advanced undergraduate, graduate, and post-graduate students seeking a strong foundation in research methods, it also serves as a valuable reference for seasoned researchers looking to refresh their knowledge.

Routledge
June 2025 : 840pp
Hb: 978-1-032-72058-6 : £120
IEPB: 978-1-032-72059-3 : £45.99
eBook: 978-1-315-45008-7

* For full contents and more information, visit: www.routledge.com/9781032720586

Conducting Contextual Research

How to Find Out About Yourself and Other People



Bernard Guerin University of South Australia, Australia,
Edén Thain, Kristen Stevens, Adan C. Richards, Guilherme B ergo Leugi

Series: Exploring the Environmental and Social Foundations of Human Behaviour

This innovative book proposes an entirely new approach to social research, presenting practical ways to discover people's life contexts in order to understand why they do what they do, which is essential for any forms of research that need to understand people. Conducting Contextual Research is essential reading for postgraduate students and professionals in the fields of counselling, psychology and social work, and will be useful to anyone conducting research or inquiries to understand human behaviour, including academic researchers, detectives, intelligence operators, social workers, government service researchers, social policy analysts, and biographers.

Routledge
June 2024 : 190pp
Pb: 978-1-032-60818-1 : £43.99
Hb: 978-1-032-60825-9 : £135
eBook: 978-1-003-46063-3

* For full contents and more information, visit: www.routledge.com/9781032608181

3RD EDITION

Research Methods and Society

Foundations of Social Inquiry



Linda Eberst Dorsten, Lawrence Hotchkiss

Research Methods and Society, Third Edition is designed to help undergraduate students acquire basic skills in methods of social science research. These skills provide a foundation for understanding research findings in the social sciences and for conducting social research. Just as important, such skills sets and principles can be applied to everyday situations to make sense of endless stream of claims and counterclaims confronted daily in print and electronic forms, including social media.

Routledge
December 2018 : 410pp
Pb: 978-0-815-36615-7 : £86.99
Hb: 978-0-815-36616-4 : £220
eBook: 978-1-351-25981-1

* For full contents and more information, visit: www.routledge.com/9780815366157

2ND EDITION

Social Research Methods by Example

Applications in the Modern World



Yasemin Besen-Cassino, Dan Cassino Fairleigh Dickson University

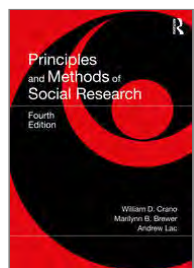
This book sharpens students' understanding of the research process and the essential methods that researchers use to perform their work on the cutting edge of the social sciences. The new edition features updated examples across the chapters, reflecting new directions within the social sciences and both a diversity of voices and research output in recent years. The authors also expand their chapter overviews in key areas and weave discussion of validity and ethics carefully into the fabric of each chapter's focus. Written not only to introduce students to the basic principles of social science research, this book provides readers with a toolkit to carry out the process on their own.

Routledge
May 2023 : 342pp
Pb: 978-1-032-20920-3 : **£38.99**
Hb: 978-1-032-21005-6 : **£135**
eBook: 978-1-003-26632-7

* For full contents and more information, visit: www.routledge.com/9781032209203

4TH EDITION

Principles and Methods of Social Research



William D. Crano Claremont Graduate University, USA,
Marilynn B. Brewer Ohio State University, USA, **Andrew Lac** Claremont Graduate University, USA

Through a multi-methodology approach, *Principles and Methods of Social Research*, Fourth Edition covers the latest research techniques and designs and guides readers toward the design and conduct of social research from the ground up. Applauded for its comprehensive coverage, the breadth and depth of content of this new edition is unparalleled. It is intended for graduate or advanced undergraduate courses in research methods in psychology, communication, sociology, education, public health, and marketing, and further appeals to researchers in various fields of social research, such as social psychology and communication.

Routledge
July 2023 : 486pp
Pb: 978-1-032-22240-0 : **£84.99**
Hb: 978-1-032-22241-7 : **£135**
eBook: 978-1-003-27173-4

* For full contents and more information, visit: www.routledge.com/9781032222400

The Illustrated Guide to Social Science Research



Divya Sharma

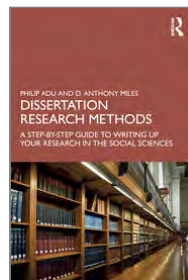
This accessible and engaging textbook helps students to get to grips with key concepts, issues, and practices in social science research through the use of fun and informative illustrations and examples.

Routledge
July 2024 : 248pp
Pb: 978-1-032-32377-0 : **£37.99**
Hb: 978-1-032-32379-4 : **£145**
eBook: 978-1-003-31473-8

* For full contents and more information, visit: www.routledge.com/9781032323770

Dissertation Research Methods

A Step-by-Step Guide to Writing Up Your Research in the Social Sciences



Philip Adu The National Centre for Academic and Dissertation Excellence, The Chicago School of Professional Psychology, USA, **D. Anthony Miles**

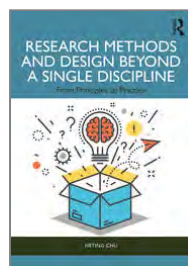
Dissertation Research Methods: A Step-by-Step Guide to Writing Up Your Research in the Social Sciences focuses specifically on methodology when planning, writing and submitting your dissertation thesis. Written by two methodology experts in the social sciences, the book provides a step-by-step guide through each stage of the dissertation process. This compact book will be of use to all graduate students and their supervisors in the Social Sciences, Education and Behavioural Sciences, looking for a guide for working with robust and defensible methodological principles in their dissertation research and theses.

Routledge
September 2023 : 470pp
Pb: 978-1-032-21385-9 : **£42.99**
Hb: 978-1-032-21383-5 : **£145**
eBook: 978-1-003-26815-4

* For full contents and more information, visit: www.routledge.com/9781032213859

Research Methods and Design Beyond a Single Discipline

From Principles to Practice



Heting Chu

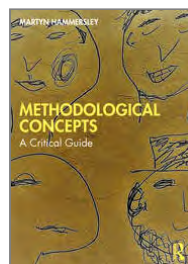
This book presents and discusses 15 research methods after an overview of each, an illustration of the research process and an examination of related topics. The focus of this book is on data collection techniques and research design. This book is essential for masters and doctoral students, and researchers who wish to learn about research methods and design comprehensively and systematically, as well as instructors delivering research methods courses across the social and behavioral sciences.

Routledge
April 2024 : 360pp
Pb: 978-0-367-89885-4 : **£58.99**
Hb: 978-0-367-89883-0 : **£145**
eBook: 978-1-003-02171-1

* For full contents and more information, visit: www.routledge.com/9780367898854

Methodological Concepts

A Critical Guide



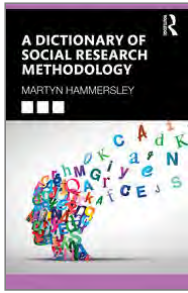
Martyn Hammersley The Open University, UK

Methodological Concepts: A Critical Guide clarifies many key terms and issues in social research methodology. It outlines the conventional meanings of these terms, but also addresses their contentious character. The aim is to offer interpretations of them that provide a coherent conception of the nature of social science.

Routledge
February 2023 : 186pp
Pb: 978-1-032-39574-6 : **£33.99**
Hb: 978-1-032-39573-9 : **£125**
eBook: 978-1-003-35035-4

* For full contents and more information, visit: www.routledge.com/9781032395746

A Dictionary of Social Research Methodology



Martyn Hammersley The Open University, UK

This accessible book offers a detailed guide to a wide range of methodological concepts, both those of a more philosophical kind and those that are more technical in character: from constructionism to critical realism, regression analysis to grounded theory, odds ratios to triangulation. Providing clear definitions for a wide range of methodological concepts from across the social sciences, this is an essential resource for all who have an interest in social research methodology.

Routledge
September 2024 : 180pp
Pb: 978-1-032-82213-6 : **£37.99**
Hb: 978-1-032-82215-0 : **£145**
eBook: 978-1-003-50350-7

* For full contents and more information, visit: www.routledge.com/9781032822136

2ND EDITION

Research Design, Second Edition

Quantitative, Qualitative, Mixed Methods, Arts-Based, and Community-Based Participatory Research Approaches



Patricia Leavy

With a new chapter on the literature review, this accessible step-by-step guide to using the five major approaches to research design is now in a thoroughly revised second edition. The prior edition's user-friendly features are augmented by a new companion website with worksheets keyed to each chapter. For each approach, the text presents a template for a research proposal and explains how to conceptualize and fill in every section. Interdisciplinary research examples draw on current events and social justice issues. PowerPoints and chapter tests with answer keys are available to instructors using the book in a course.

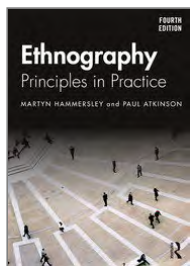
Guilford Press
January 2023 : 323pp
Pb: 978-1-462-54897-2 : **£43.99**
Hb: 978-1-462-55088-3 : **£64.99**

* For full contents and more information, visit: www.routledge.com/9781462548972

4TH EDITION

Ethnography

Principles in Practice



Martyn Hammersley The Open University, UK, **Paul Atkinson** Cardiff University, UK

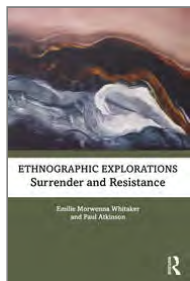
This edition has been expertly updated to reflect the important developments in digital and mobile technologies and social media. The ease with which recordings, audio or video, as well as photographs, can be produced via the use of mobile devices has opened up new tools and foci for ethnographers.

Routledge
April 2019 : 292pp
Pb: 978-1-138-50446-2 : **£39.99**
Hb: 978-1-138-50445-5 : **£150**
eBook: 978-1-315-14602-7

* For full contents and more information, visit: www.routledge.com/9781138504462

Ethnographic Explorations

Surrender and Resistance



Emilie Morwenna Whitaker Salford University, UK, **Paul Atkinson**

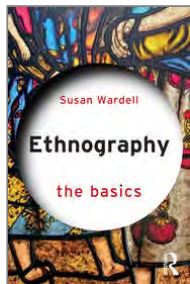
In *Ethnographic Explorations: Surrender and Resistance*, Whitaker and Atkinson, two experienced ethnographers, explore the complexities of fieldwork, analysis and writing from new perspectives. It takes the opportunity to reflect on Ethnography not just as a methodological perspective, but at a fundamental level. The book is intended for researchers at postgraduate and postdoctoral levels and at experienced researchers who want to read a different, sometimes challenging, take on ethnographic research and its outcomes.

Routledge
March 2023 : 184pp
Pb: 978-0-367-17441-5 : **£35.99**
Hb: 978-0-367-17440-8 : **£125**
eBook: 978-0-429-05680-2

* For full contents and more information, visit: www.routledge.com/9780367174415

Ethnography

The Basics



Susan Wardell

Series: The Basics

Ethnography: The Basics introduces a broad and beginner audience to ethnography, as a research methodology with diverse applications. By using everyday language, and developing a warm and inclusive tone, the book provides an accessible entry point to the topic.

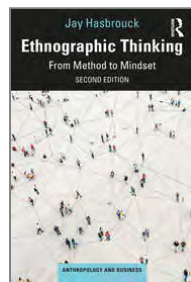
Routledge
April 2025 : 244pp
Pb: 978-1-032-52012-4 : **£18.99**
Hb: 978-1-032-51311-9 : **£130**

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Ethnographic Thinking

From Method to Mindset



Jay Hasbrouck

Series: Anthropology and Business

This second edition of *Ethnographic Thinking: From Method to Mindset* serves as a primer for practitioners who want to apply ethnography to real-world challenges and commercial ventures. This new edition now includes a section in each chapter focusing on practical advice to help readers activate key insights in their work. This work is essential reading for managers and strategists who want to tap into the full potential that an ethnographic perspective offers. It will also be of value to students and practitioners of applied ethnography, as well as professionals who would like to optimize the value of ethnographic thinking in their organizations.

Routledge
April 2024 : 156pp
Pb: 978-1-032-46309-4 : **£38.99**
Hb: 978-1-032-46308-7 : **£145**
eBook: 978-1-003-38107-5

* For full contents and more information, visit: www.routledge.com/9781032463094

Ethnographic Research in the Social Sciences

Edited by **Madhulika Sahoo**, **S. Jeyavelu**, **Anjali Kurane**

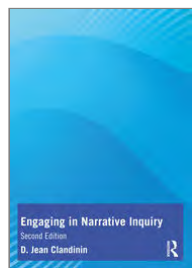
This book is an essential guide to scientifically conducting contemporary ethnographic research at undergraduate, postgraduate and doctoral levels in the social sciences, the humanities, and business studies. It addresses the methodological challenges of ethnographic research across the social sciences and highlights present time research areas, including digital ethnography, artificial intelligence, classroom pedagogy, hybrid organization and many more. A step-by-step, student friendly text, this book will be essential supplementary reading across the social sciences and the humanities, especially for those conducting fieldwork in the Global South.

Routledge India
June 2023 : 282pp
Pb: 978-1-032-49233-9 : **£38.99**
Hb: 978-1-032-48008-4 : **£145**
eBook: 978-1-003-39277-4

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2ND EDITION

Engaging in Narrative Inquiry



D. Jean Clandinin

In *Engaging in Narrative Inquiry*, Second Edition, D. Jean Clandinin, a pioneer in narrative research, updates her classic formulation on narrative inquiry, clarifying, extending, and refining methods. The increasing interest in narrative inquiry as research methodology across disciplines makes this an essential guide and an excellent text for graduate courses in qualitative inquiry, education and nursing research, sociology, and all courses in autobiographical and narrative research and inquiry.

Routledge

September 2022 : 176pp

Pb: 978-1-032-14610-2 : **£39.99**

Hb: 978-1-032-14609-6 : **£135**

eBook: 978-1-003-24014-3

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2ND EDITION

Qualitative Research

The Essential Guide to Theory and Practice



Maggi Savin-Baden Prof of Higher Education Research at Coventry University, UK, **Claire Howell Major** Prof of Higher Education at the University of Alabama, USA

The second edition of *Qualitative Research* is a one-stop resource for all those approaching qualitative research for the first time as well as those revisiting core concepts and issues. It presents a comprehensive overview of this rapidly developing field of inquiry, cleverly combined with practical, hands-on advice on how to conduct a successful qualitative study. This book is enhanced with the addition of online Instructor and Student Resources including videos, diagrams, an instructor manual, PowerPoint slides and links to further resources. This new edition is an indispensable companion and makes for ideal reading for all those involved in qualitative research worldwide.

Routledge

May 2025 : 680pp

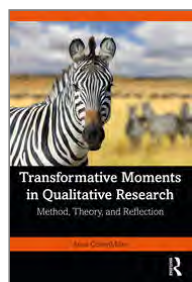
Pb: 978-1-032-77458-9 : **£42.99**

Hb: 978-1-032-77460-2 : **£145**

* For full contents and more information, visit: www.routledge.com/9781032774589

Transformative Moments in Qualitative Research

Method, Theory, and Reflection



Anna Cohen-Miller

This groundbreaking book, eloquently fuses powerful stories of research with methodological insight and theory. Each chapter offers a clear, practical, and engaging exploration of qualitative inquiry, emphasizing the power of research to foster equity, inclusion, and justice-centered practice (e.g., social justice, economic justice, environmental/ecological justice). This book is an invaluable resource for graduate students, practitioners, and researchers to enhance their research and praxis. It will appeal to audiences across disciplinary backgrounds including social sciences, educational sciences, humanities, and STEM and health fields.

Routledge

December 2023 : 314pp

Pb: 978-1-032-38170-1 : **£39.99**

Hb: 978-1-032-38168-8 : **£135**

eBook: 978-1-003-34381-3

* For full contents and more information, visit: www.routledge.com/9781032381701

2ND EDITION

Essentials of Qualitative Inquiry



Maria J. Mayan

Series: Qualitative Essentials

Essentials of Qualitative Inquiry, Second Edition is the key resource for introducing applied researchers into the qualitative tradition due to its clear exposition, step-by-step approach, and emphasis on methodological coherence. Concise and inexpensive, this edition includes new material on methods, sampling, and analysis and introduces current trends in community-based research and arts-based research, among other updates.

Routledge

May 2023 : 328pp

Pb: 978-1-629-58327-3 : **£29.99**

Hb: 978-1-629-58326-6 : **£125**

eBook: 978-1-003-38575-2

* For full contents and more information, visit: www.routledge.com/9781629583273

2ND EDITION

Thinking with Theory in Qualitative Research



Alecia Y. Jackson Appalachian State University, USA,
Lisa A. Mazzei University of Oregon, USA

Thinking with Theory in Qualitative Research, Second Edition demonstrates how to enact various philosophical concepts in practices of inquiry, effectively opening up the process of thought in qualitative studies. In the ten years since the first edition was published, *Thinking with Theory* has become a vanguard text in the field of postfoundational inquiry for its accessible but thorough introductions to philosophically informed inquiry. This book is for experienced and novice researchers, and students in introductory, general, and advanced qualitative inquiry courses, who may also be first-time readers of philosophy.

Routledge

July 2022 : 170pp

Pb: 978-1-138-95214-0 : **£39.99**

Hb: 978-1-138-95213-3 : **£135**

eBook: 978-1-315-66776-8

* For full contents and more information, visit: www.routledge.com/9781138952140

Qualitative Research Using Social Media



Gwen Bouvier, Joel Rasmussen

This book shows how to conduct qualitative research projects using social media data. It takes the reader through the stages of choosing data, formulating a research question, and choosing and applying method(s).

Routledge

March 2022 : 214pp

Pb: 978-0-367-33347-8 : **£39.99**

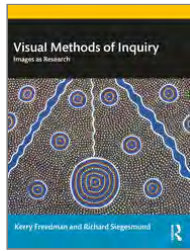
Hb: 978-0-367-33350-8 : **£135**

eBook: 978-0-429-31933-4

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Visual Methods of Inquiry

Images as Research



Kerry Freedman , Richard Siegesmund

Visual Methods of Inquiry: Images as Research presents qualitative researchers in the social sciences with the benefits, applications, and forms of visual research methods. It includes a wide variety of images to illustrate the many uses of visual methods for social research. Students of social science and the visual arts will find this book useful in expanding and improving their methods of inquiry. Artists and researchers already familiar with visual methods will find that this book clarifies the ways the visual works in various research contexts and provides helpful language to describe and explain those methods.

Routledge

October 2023 : 238pp

Pb: 978-0-367-25048-5 : **£35.99**

Hb: 978-0-367-25049-2 : **£135**

eBook: 978-0-429-28572-1

* For full contents and more information, visit: www.routledge.com/9780367250485

2ND EDITION

Research Methods for Environmental Studies

A Social Science Approach



Mark Kanazawa Carleton College, USA

The methodological needs of environmental studies are unique in the breadth of research questions that can be posed, calling for a textbook that covers a broad swath of approaches to conducting research with potentially many different kinds of evidence. Drawing on a variety of extended and updated examples to encourage problem-based learning and fully addressing the challenges associated with interdisciplinary investigation, this book will be an essential resource for students embarking on courses exploring research methods in environmental studies.

Routledge

July 2023 : 498pp

Pb: 978-1-032-19840-8 : £38.99

Hb: 978-1-032-19841-5 : £145

eBook: 978-1-003-26111-7

* For full contents and more information, visit: www.routledge.com/9781032198408

Research Methodologies for Business Management



Vanessa Ratten La Trobe University, Australia

Most existing research methodologies texts take a more general approach or are edited books of previously published articles or chapters written by different authors. This book, written by a business management scholar, covers the fundamentals of business management research and its methodologies in a seamless, unified manner. It builds upon the knowledge by examining both qualitative and quantitative research methodologies in the context of business management. It will help business management students and junior researchers quickly build an essential base of knowledge and gain a strategic advantage in publishing and reviewing business related research.

Routledge

February 2023 : 158pp

Pb: 978-1-032-32337-4 : £41.99

Hb: 978-1-032-32338-1 : £125

eBook: 978-1-003-31451-6

* For full contents and more information, visit: www.routledge.com/9781032323374

Researching and Analysing Business

Research Methods in Practice



Edited by **Pantea Foroudi** Middlesex University London, UK, **Charles Dennis** Middlesex Business School, UK

Researching and Analysing Business provides an accessible and practical guide to various data collection and data analysis techniques within management. Unique in its practical approach, this book is required and recommended reading for advanced undergraduate and postgraduate students studying research methods.

Routledge

December 2023 : 456pp

Pb: 978-0-367-62065-3 : £39.99

Hb: 978-0-367-62064-6 : £145

eBook: 978-1-003-10777-4

* For full contents and more information, visit: www.routledge.com/9780367620653

2ND EDITION

Management Research

Applying the Principles of Business Research Methods



Susan Rose, Nigel Spinks, Ana Isabel Canhoto

Management Research supports new researchers on every step of the research journey, from defining a project to communicating its findings, as well as balancing the technical aspects of research with the management of the project itself. Management Research provides essential reading for undergraduate and postgraduate students undertaking a dissertation, thesis or research project, as well as professionals currently practicing in the field.

Routledge

December 2023 : 482pp

Pb: 978-1-032-46295-0 : £51.99

Hb: 978-1-032-46296-7 : £175

eBook: 978-1-003-38100-6

* For full contents and more information, visit: www.routledge.com/9781032462950

2ND EDITION

Design Methods and Practices for Research of Project Management



Edited by Beverly Pasion, Rodney Turner

Design Methods and Practices for Research of Project Management is the most comprehensive guide on how to do research of and in project management. This second edition of the authoritative reference book offers a substantial update on the first edition with over 60% new content and so provides both practitioner and student researchers with a fully up-to-date and complete guide to research practice on project management.

Routledge

May 2024 : 368pp

Pb: 978-1-032-12387-5 : £36.99

Hb: 978-1-032-74496-4 : £135

eBook: 978-1-003-46951-3

* For full contents and more information, visit: www.routledge.com/9781032123875

3RD EDITION

Planning Research in Hospitality and Tourism



Edited by **Levent Altinay** Oxford Brookes University, UK, **Alexandros Paraskevas** University of West of London, UK, **Faizan Ali**

Planning Research in Hospitality and Tourism, 3rd Edition is an accessible, concise and practical guide to planning, conducting and analysing research in tourism and hospitality. Enriched with insightful case studies throughout, this volume is essential reading for all tourism and hospitality researchers.

Routledge

June 2024 : 372pp

Pb: 978-1-032-52258-6 : £48.99

Hb: 978-1-032-52257-9 : £145

eBook: 978-1-003-40579-5

* For full contents and more information, visit: www.routledge.com/9781032522586

5TH EDITION

Statistics in Plain English

Timothy C. Urdan Santa Clara University, USA

Statistics in Plain English is a straightforward, conversational introduction to statistics that delivers exactly what its title promises. Each chapter begins with a brief overview of a statistic that describes what the statistic does and when to use it, followed by a detailed step-by-step explanation of how the statistic works and exactly what information it provides. Chapters also include an example of the statistic (or statistics) in use in real-world research, "Worked Examples," "Writing It Up" sections that demonstrate how to write about each statistic, "Wrapping Up and Looking Forward" sections, and practice work problems.

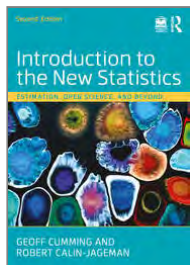
Routledge
March 2022 : 322pp
Pb: 978-0-367-34283-8 : **£33.99**
Hb: 978-0-367-34282-1 : **£175**
eBook: 978-1-032-22944-7 : **£33.99**

* For full contents and more information, visit: www.routledge.com/9780367342838

2ND EDITION

Introduction to the New Statistics

Estimation, Open Science, and Beyond



Geoff Cumming, Robert Calin-Jageman

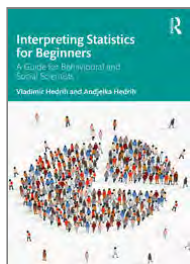
This fully revised and updated second edition is an essential introduction to inferential statistics. It is the first introductory statistics text to use an estimation approach with meta-analysis ("the new statistics") from the start and also to explain the new and exciting Open Science practices, which encourage replication and enhance the trustworthiness of research. Designed for introduction to statistics, data analysis or quantitative methods courses in psychology, education and other social and health sciences, researchers interested in understanding Open Science and the new statistics will also appreciate this book.

Routledge
March 2024 : 610pp
Pb: 978-0-367-53150-8 : **£68.99**
Hb: 978-0-367-53149-2 : **£210**
eBook: 978-1-032-68947-0

* For full contents and more information, visit: www.routledge.com/9780367531508

Interpreting Statistics for Beginners

A Guide for Behavioural and Social Scientists



Vladimir Hedrih, Andjelka Hedrih

Interpreting Statistics for Beginners teaches readers to correctly read and interpret results of basic statistical procedures as they are presented in scientific literature, and to understand what they can and cannot infer from such results. Written in an easy-to-read style and focusing on explaining concepts behind statistical calculations, the book is most helpful for readers with no previous training in statistics, and also those wishing to bridge the conceptual gap between doing the statistical calculations and interpreting the results.

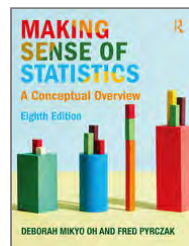
Routledge
February 2022 : 204pp
Pb: 978-0-367-61852-0 : **£35.99**
Hb: 978-0-367-62051-6 : **£135**
eBook: 978-1-003-10771-2

* For full contents and more information, visit: www.routledge.com/9780367618520

8TH EDITION

Making Sense of Statistics

A Conceptual Overview



Deborah M. Oh, Fred Pyrczak

Making Sense of Statistics, Eighth Edition, is the ideal introduction to the concepts of descriptive and inferential statistics for students undertaking their first research project. It presents each statistical concept in a series of short steps, then uses worked examples and exercises to enable students to apply their own learning. This conceptual book is useful for all study levels, from undergraduate to doctoral level across disciplines. Once students understand and feel comfortable with the statistics presented in this book, they should find it easy to master additional statistical concepts.

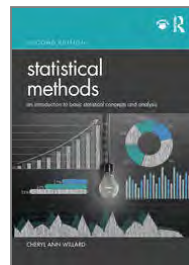
Routledge
June 2023 : 284pp
Pb: 978-1-032-28964-9 : **£49.99**
Hb: 978-1-032-28962-5 : **£135**
eBook: 978-1-003-29935-6

* For full contents and more information, visit: www.routledge.com/9781032289649

2ND EDITION

Statistical Methods

An Introduction to Basic Statistical Concepts and Analysis



Cheryl Ann Willard

Statistical Methods explains core statistical concepts and basic analysis techniques for the beginning undergraduate student in statistics or quantitative research methods. Each chapter covers a core concept before guiding students through a series of exercises designed to apply and demonstrate their knowledge. Expanded coverage of the second edition includes two new chapters on essential topics such as factorial analysis of variance, additional chapter exercises, and a full suite of instructor resources – powerpoint slides, instructor manual and test bank questions.

Routledge
March 2020 : 364pp
Pb: 978-0-367-20352-8 : **£54.99**
Hb: 978-0-367-20351-1 : **£175**
eBook: 978-0-429-26103-9

* For full contents and more information, visit: www.routledge.com/9780367203528

9TH EDITION

Interpreting Basic Statistics

A Workbook Based on Excerpts from Journal Articles



Zealure C. Holcomb, Keith S. Cox University of North Carolina, USA, **Zealure C. Holcomb**

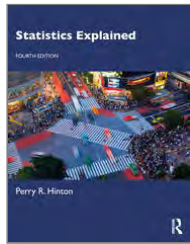
Interpreting Basic Statistics gives students valuable practice in interpreting statistical reporting as it actually appears in peer-reviewed journals. The questions in each exercise are divided into two parts: (1) Factual Questions and (2) Questions for Discussion. The factual questions require careful reading for details, while the discussion questions show that interpreting statistics is more than a mathematical exercise. Each exercise covers a limited number of topics, making it easy to coordinate the exercises with lectures or a traditional statistics textbook.

Routledge
September 2021 : 258pp
Pb: 978-0-367-56197-0 : **£58.99**
Hb: 978-0-367-56051-5 : **£180**
eBook: 978-1-003-09676-4

* For full contents and more information, visit: www.routledge.com/9780367561970

4TH EDITION

Statistics Explained



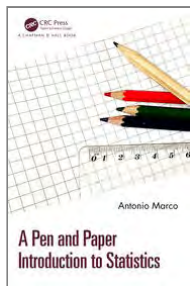
Perry R. Hinton Warwick University, UK

Statistics Explained is an accessible introduction to statistical concepts and ideas for undergraduate and postgraduate students new to the field. It makes few assumptions about the reader's statistical knowledge, carefully explaining each step of the analysis and the logic behind it. This new edition will include instructions and tips on how to present data and findings from SPSS output files, updated and more extensive case studies, and a section on alternative statistical software like R.

Routledge
October 2024 : 356pp
Pb: 978-0-367-36635-3 : **£37.99**
Hb: 978-0-367-36638-4 : **£135**
eBook: 978-0-429-35326-0

* For full contents and more information, visit: www.routledge.com/9780367366353

A Pen and Paper Introduction to Statistics



Antonio Marco University of Essex, U.K.

This book proposes to reverse the way statistics is taught, by starting with the introduction of linear models. The reader will have the opportunity to work through the examples and compute sums of squares by just drawing and counting, and finally evaluating whether observed differences are statistically significant by using the tables provided. Intended for students, professional life scientists, and those with little prior knowledge of statistics, this book is for all with simple and clear examples, computations and drawings helping the reader to, not only do, but also to understand statistics.

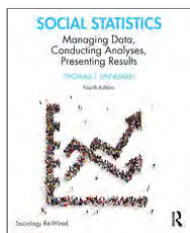
Chapman & Hall
December 2023 : 160pp
Pb: 978-1-032-50510-7 : **£33.99**
Hb: 978-1-032-50511-4 : **£97.99**
eBook: 978-1-003-39882-0

* For full contents and more information, visit: www.routledge.com/9781032505107

4TH EDITION

Social Statistics

Managing Data, Conducting Analyses, Presenting Results



Thomas J. Linneman The College of William and Mary, USA

Series: Sociology Re-Wired

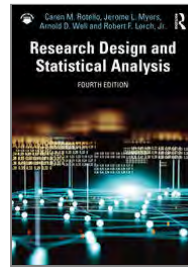
With a clear, engaging writing style and fascinating examples using a variety of real data, this text covers the contemporary statistical techniques that students will encounter in the world of social research. It covers these techniques at an introductory level and carefully guides students through increasingly complex examples without intimidating them. Recurrent examples using four timely topics – health, immigration, income inequality, and everyday harassment – help students understand how the techniques fit together, and how to use the techniques in combination with one another. Author created web resource accompanies the text.

Routledge
December 2021 : 678pp
Pb: 978-1-032-11528-3 : **£96.99**
Hb: 978-1-032-11623-5 : **£180**
eBook: 978-1-003-22077-0

* For full contents and more information, visit: www.routledge.com/9781032115283

4TH EDITION

Research Design and Statistical Analysis



Caren M. Rotello, Jerome L. Myers, Arnold D. Well, Robert F. Lorch, Jr. University of Kentucky, Lexington, USA

This fully updated fourth edition of Research Design and Statistical Analysis provides comprehensive coverage of the design principles and statistical concepts necessary to make sense of real data. Incorporating the analyses of both experimental and observational data, and with coverage that is broad and deep enough to serve a two-semester sequence, this textbook is suitable for researchers, graduate students and advanced undergraduates in psychology, education, and other behavioral, social, and health sciences. The book is supported by a robust set of digital resources, including data files and exercises from the book in an Excel format, R scripts, and a solutions manual.

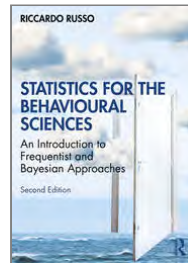
Routledge
January 2025 : 834pp
Pb: 978-1-032-89728-8 : **£76.99**
Hb: 978-1-032-59210-7 : **£145**
eBook: 978-1-003-45355-0

* For full contents and more information, visit: www.routledge.com/9781032897288

2ND EDITION

Statistics for the Behavioural Sciences

An Introduction to Frequentist and Bayesian Approaches



Riccardo Russo

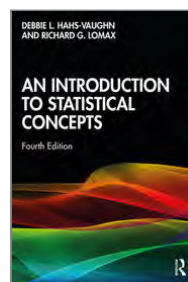
This accessible textbook is for those without a mathematical background (just some notions of basic algebra are sufficient) and provides a comprehensive introduction to all topics covered in introductory behavioural science statistics courses. This timely and highly readable text will be invaluable to undergraduate students of psychology and research methods courses in related disciplines, as well as anyone with an interest in understanding and applying the basic concepts and inferential techniques associated with statistics in the behavioural sciences.

Routledge
November 2020 : 330pp
Pb: 978-1-138-71150-1 : **£35.99**
Hb: 978-1-138-71148-8 : **£135**
eBook: 978-1-315-20041-5

* For full contents and more information, visit: www.routledge.com/9781138711501

4TH EDITION

An Introduction to Statistical Concepts



Debbie L. Hahs-Vaughn University of Central Florida, USA, **Richard Lomax** The Ohio State University, USA

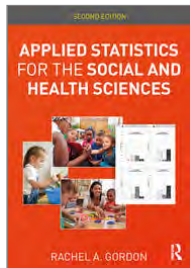
This comprehensive, flexible text is used in both one- and two-semester courses to review introductory through intermediate statistics. Instructors select the topics that are most appropriate for their course. Its conceptual approach helps students more easily understand the concepts and interpret SPSS and research results. Noted for its crystal clear explanations, key concepts are simply stated and occasionally reintroduced and related to one another for reinforcement. Numerous examples demonstrate their relevance. This edition features even more explanation to increase understanding of the concepts and has annotated script for using R.

Routledge
February 2020 : 1186pp
Hb: 978-1-138-65055-8 : **£115**
eBook: 978-1-315-62435-8

* For full contents and more information, visit: www.routledge.com/9781138650558

2ND EDITION

Applied Statistics for the Social and Health Sciences



Rachel A. Gordon Northern Illinois University, USA

Covering basic univariate and bivariate statistics and regression models for nominal, ordinal, and interval outcomes, this textbook provides graduate students in the social and health sciences with fundamental skills to estimate, interpret, and publish quantitative research using contemporary standards. Reflecting the growing importance of 'Big Data', this thoroughly revised and streamlined new edition, outlines changes in best practice in use of statistics in social and health sciences, draws upon new literatures and empirical examples, and highlights the importance of statistical programming, including coding, reproducibility, transparency, and open science.

Routledge

July 2023 : 800pp

Pb: 978-1-032-32344-2 : **£43.99**

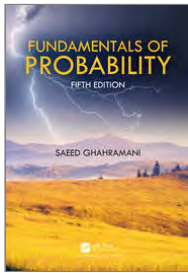
Hb: 978-1-032-32343-5 : **£145**

eBook: 978-1-003-31453-0

* For full contents and more information, visit: www.routledge.com/9781032323442

5TH EDITION

Fundamentals of Probability



Saeed Ghahramani Western New England University,
Springfield, Massachusetts, USA

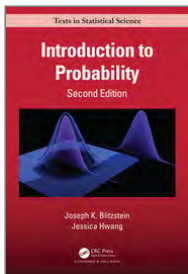
This one- or two-term calculus-based basic probability text is written for majors in mathematics, physical sciences, engineering, statistics, actuarial science, business and finance, operations research, and computer science. It presents probability in a natural way: through interesting and instructive examples and exercises that motivate the theory, definitions, theorems, and methodology. This book is mathematically rigorous and, at the same time, closely matches the historical development of probability. Whenever appropriate, historical remarks are included, and the 2096 examples and exercises have been designed to arouse curiosity and encourage students to delve into the theory.

Chapman & Hall
May 2024 : 700pp
Hb: 978-1-032-36608-1 : **£120**
IEPB: 978-1-032-80353-1 : **£49.99**
eBook: 978-1-003-33289-3

* For full contents and more information, visit: www.routledge.com/9781032366081

2ND EDITION

Introduction to Probability, Second Edition



Joseph K. Blitzstein Harvard University, Cambridge,
Massachusetts, USA, **Jessica Hwang** Stanford University,
California, USA

Series: Chapman & Hall/CRC Texts in Statistical Science

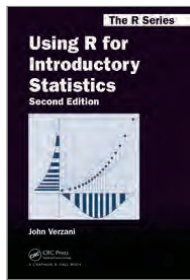
Undergraduate probability book that assumes one-semester of calculus. One key is the emphasis on "stories" for the probability distributions (which I mean in both an intuitive and technical sense): there are a dozen or so key distributions (Normal, Binomial, Poisson, etc.) that are incredibly widely-used in statistics, but a lot of books just write down formulas for them without explaining clearly why these particular distributions are so important, or how they are all connected. Each of these distributions has a "story" (a natural application where it arises), and thinking about stories makes the distributions easier to remember, understand, and work with.

Chapman & Hall
February 2019 : 634pp
Hb: 978-1-138-36991-7 : **£68.99**
eBook: 978-0-429-42835-7

* For full contents and more information, visit: www.routledge.com/9781138369917

2ND EDITION

Using R for Introductory Statistics



John Verzani CUNY/College of Staten Island, New York, USA

Series: Chapman & Hall/CRC The R Series

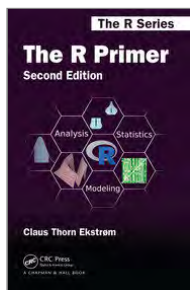
The second edition of a bestselling textbook, *Using R for Introductory Statistics* guides students through the basics of R, helping them overcome the sometimes steep learning curve. The author does this by breaking the material down into small, task-oriented steps. The second edition maintains the features that made the first edition so popular, while updating data, examples, and changes to R in line with the current version.

Chapman & Hall
June 2014 : 518pp
Hb: 978-1-466-59073-1 : **£61.99**
eBook: 978-1-315-37308-9

* For full contents and more information, visit: www.routledge.com/9781466590731

2ND EDITION

R Primer



Claus Thorn Ekström University of Copenhagen, Denmark

Series: Chapman & Hall/CRC The R Series

Newcomers to R are often intimidated by the command-line interface, the vast number of functions and packages, or the processes of importing data and performing a simple statistical analysis. *The R Primer* provides a collection of concise examples and solutions to R problems frequently encountered by new users of this statistical software. This new edition adds coverage of R Studio and reproducible research.

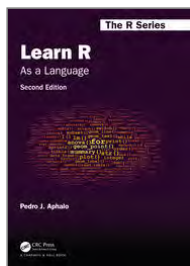
Chapman & Hall
March 2017 : 426pp
Pb: 978-1-138-63197-7 : **£53.99**
Hb: 978-1-498-77255-6 : **£110**
eBook: 978-1-315-15441-1

* For full contents and more information, visit: www.routledge.com/9781138631977

2ND EDITION

Learn R

As a Language



Pedro J. Aphalo University of Helsinki, Faculty of Biological and Environmental Sciences

Series: Chapman & Hall/CRC The R Series

Learning a computer language like R can be either frustrating, fun, or boring. Having fun requires challenges that wake up the learner's curiosity but also provide an emotional reward on overcoming them. This is the second edition of a book designed so that it includes smaller and bigger challenges, in what I call playgrounds, in the hope that all readers will enjoy their path to R fluency.

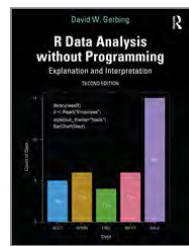
Chapman & Hall
April 2024 : 466pp
Pb: 978-1-032-51699-8 : **£63.99**
Hb: 978-1-032-51843-5 : **£165**
eBook: 978-1-003-40418-7

* For full contents and more information, visit: www.routledge.com/9781032516998

2ND EDITION

R Data Analysis without Programming

Explanation and Interpretation



David W. Gerbing Portland State University, USA

The new edition of this innovative book, prepares the readers to quickly analyse data and interpret statistical results using R. Professor Gerbing has developed lessR, which is a ground-breaking method in alleviating the challenges of R programming. The lessR extends R, removing the need for programming. This edition expands upon the first edition's introduction to R through lessR which enables the readers to learn how to organize data for analysis, read the data into R, and generate output without performing numerous functions and programming exercises first.

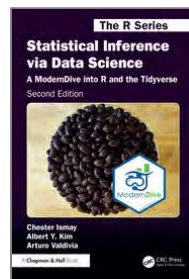
Routledge
January 2023 : 378pp
Pb: 978-1-032-24403-7 : **£49.99**
Hb: 978-1-032-24402-0 : **£125**
eBook: 978-1-003-27841-2

* For full contents and more information, visit: www.routledge.com/9781032244037

2ND EDITION

Statistical Inference via Data Science

A ModernDive into R and the Tidyverse



Chester Ismay DataCamp, **Albert Y. Kim**, **Arturo Valdivia**

Series: Chapman & Hall/CRC The R Series

Offers a comprehensive guide to learning statistical inference with data science tools widely used in industry, academia, and government. Ideal for those new to statistics or looking to deepen their knowledge, this edition provides a clear entry point into data science and modern statistical methods.

Chapman & Hall
March 2025 : 478pp
Pb: 978-1-032-70837-9 : **£64.99**
Hb: 978-1-032-72451-5 : **£160**

* For full contents and more information, visit: www.routledge.com/9781032708379

3RD EDITION

SPSS Explained

Perry R. Hinton Warwick University, UK, **Isabella McMurray** University of Bedfordshire, UK, **Charlotte Brownlow**, **Peter C. Terry**

SPSS Explained provides the student with all that they need to undertake statistical analysis using SPSS. It combines a step-by-step approach to each procedure with easy-to-follow screenshots at each stage of the process. The authors have many years of experience in teaching SPSS to students from a wide range of disciplines. Their understanding of SPSS users' concerns, as well as a knowledge of the type of questions students ask, form the foundation of this book.

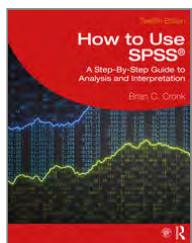
Routledge
September 2023 : 386pp
Pb: 978-0-367-36699-5 : **£49.99**
Hb: 978-0-367-36698-8 : **£135**
eBook: 978-0-429-35086-3

* For full contents and more information, visit: www.routledge.com/9780367366995

12TH EDITION

How to Use SPSS®

A Step-By-Step Guide to Analysis and Interpretation



Brian C. Cronk

This book is designed with the novice computer user in mind and for people who have no previous experience using SPSS. Each chapter is divided into short sections that describe the statistic being used, important underlying assumptions, and how to interpret the results and express them in a research report. The book begins with the basics, such as starting SPSS, defining variables, and entering and saving data. It covers all major statistical techniques typically taught in beginning statistics classes, such as descriptive statistics, graphing data, prediction and association, parametric inferential statistics, nonparametric inferential statistics and statistics for test construction.

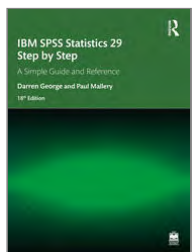
Routledge
January 2024 : 252pp
Pb: 978-1-032-58235-1 : **£61.99**
Hb: 978-1-032-58519-2 : **£145**
eBook: 978-1-003-45046-7

* For full contents and more information, visit: www.routledge.com/9781032582351

18TH EDITION

IBM SPSS Statistics 29 Step by Step

A Simple Guide and Reference



Darren George, **Paul Mallery**

IBM SPSS Statistics 29 Step by Step: A Simple Guide and Reference, eighteenth edition, takes a straightforward, step-by-step approach that makes SPSS software clear to beginners and experienced researchers alike. Accompanied by updated online instructor's materials and website data files, this is an essential resource for instructors and students needing a guide to using SPSS in their work, across the social sciences, behavioural sciences, education, and beyond.

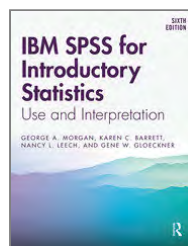
Routledge
March 2024 : 440pp
Pb: 978-1-032-62193-7 : **£71.99**
Hb: 978-1-032-62212-5 : **£220**
eBook: 978-1-032-62215-6

* For full contents and more information, visit: www.routledge.com/9781032621937

6TH EDITION

IBM SPSS for Introductory Statistics

Use and Interpretation, Sixth Edition

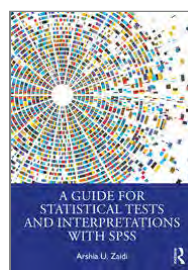


George A. Morgan Colorado State University, USA, **Karen C. Barrett** Colorado State University, USA, **Nancy L. Leech** University of Colorado at Denver, USA, **Gene W. Gloeckner** Colorado State University, USA

Designed to help students analyze and interpret research data using IBM SPSS, this user-friendly book, written in easy-to-understand language, shows readers how to choose the appropriate statistic based on the design, and to interpret outputs appropriately. The sixth edition includes updated screenshots and instructions for IBM SPSS 24 and Windows 10, and adds helpful callouts to make the book even clearer and easy to use.

Routledge
July 2019 : 266pp
Pb: 978-1-138-57821-0 : **£39.99**
Hb: 978-1-138-57822-7 : **£155**
eBook: 978-0-429-28765-7

* For full contents and more information, visit: www.routledge.com/9781138578210

A Guide for Statistical Tests and Interpretations with SPSS

Arshia U. Zaidi

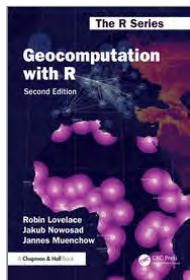
A Guide for Statistical Tests and Interpretations with SPSS is designed for students taking basic and advanced courses in statistics, taking an integrative and practical approach to learning statistics. It guides students through navigating SPSS outputs and writing quantitatively, dealing with technical and substantive interpretations without resorting to complex mathematical formulae. With SPSS screenshots and step-by-step advice, this book will be useful for all undergraduate and graduate students in the social sciences and humanities, as a supplemental textbook to provide practical guidance on moving through all steps of statistical testing and analysis.

Routledge
October 2024 : 244pp
Pb: 978-1-032-10210-8 : **£45.99**
Hb: 978-1-032-10520-8 : **£130**
eBook: 978-1-003-21569-1

* For full contents and more information, visit: www.routledge.com/9781032102108

2ND EDITION

Geocomputation with R



Robin Lovelace University of Leeds, UK, **Jakub Nowosad**, **Jannes Muenchow** Friedrich Schiller University, Jena, Germany

Series: Chapman & Hall/CRC The R Series

Geocomputation with R is for people who want to analyze, visualize, and model geographic data with open source software. The book provides a foundation for learning how to solve a wide range of geographic data analysis problems in a reproducible, and therefore scientifically sound and scalable way. The second edition features numerous updates, including the adoption of the high-performance terra package for all raster data processing, detailed coverage of the spherical geometry engine s2, updated information on coordinate reference systems and new content on openEO, STAC, COG, and gdalcubes. The book equips you with the knowledge and skills to tackle a wide range of issues.

Chapman & Hall
February 2025 : 424pp
Pb: 978-1-032-24888-2 : **£55.99**
Hb: 978-1-032-22979-9 : **£150**

* For full contents and more information, visit: www.routledge.com/9781032248882

Geocomputation with Python



Michael Dorman, **Anita Graser**, **Jakub Nowosad**, **Robin Lovelace** University of Leeds, UK

Series: Chapman & Hall/CRC The Python Series

Geocomputation with Python is a comprehensive resource for working with geographic data with the most popular programming language in the world. The book gives an overview of Python's capabilities for spatial data analysis, as well as dozens of worked-through examples covering the entire range of standard GIS operations. Another unique feature is that this book is part of a wider community. Geocomputation with Python is a sister project of Geocomputation with R (Lovelace, Nowosad, and Muenchow 2019), a book on geographic data analysis, visualization, and modeling using the R programming language that has numerous contributors and an active community.

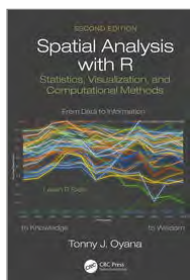
Chapman & Hall
February 2025 : 344pp
Pb: 978-1-032-46065-9 : **£55.99**
Hb: 978-1-032-45891-5 : **£150**
eBook: 978-1-003-37991-1

* For full contents and more information, visit: www.routledge.com/9781032460659

2ND EDITION

Spatial Analysis with R

Statistics, Visualization, and Computational Methods



Tonny J. Oyana

The implementation of new tools and methods for spatial analysis using R, the use and growth of artificial intelligence, machine learning and deep learning algorithms with a spatial perspective, and the interdisciplinary use of spatial analysis are all new topics in this second edition. The book provides a balance between concepts and practicum of spatial statistics with a comprehensive coverage of the most important approaches to understand spatial data, analyze spatial relationships and spatial patterns, and predict spatial processes. It offers new datasets, insights, and excellent illustrations to senior undergraduate and first year graduate students in geography and geosciences.

CRC Press
September 2023 : 354pp
Pb: 978-0-367-53238-3 : **£45.99**
Hb: 978-0-367-86085-1 : **£105**
eBook: 978-1-003-02164-3

* For full contents and more information, visit: www.routledge.com/9780367532383

Data Analytics for the Social Sciences

Applications in R



G. David Garson

This book presents a complete exploration of statistical data analysis in R for a wide variety of social science disciplines and quantitative methods courses. Covering all the bases including multilevel modeling and ANOVA / ANCOVA, the book also goes further by looking at topics such as: neural networks to implement deep learning, thus solving complex problems other algorithms cannot; how to deal with missing values in real world data; and the use of text analytics. R code input and output is included. Suitable for all advanced level undergraduate and postgraduate students learning statistical data analysis.

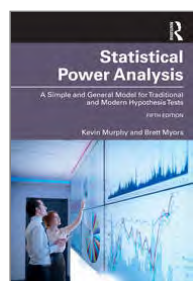
Routledge
November 2021 : 704pp
Pb: 978-0-367-62427-9 : **£84.99**
Hb: 978-0-367-62429-3 : **£240**
eBook: 978-1-003-10939-6

* For full contents and more information, visit: www.routledge.com/9780367624279

5TH EDITION

Statistical Power Analysis

A Simple and General Model for Traditional and Modern Hypothesis Tests, Fifth Edition



Brett Myers Griffith University, Australia, **Kevin R. Murphy** University of Limerick, Ireland

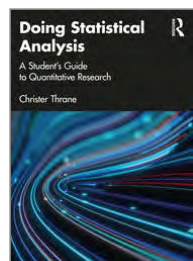
Statistical Power Analysis explains the key concepts in statistical power analysis and illustrates their application in both tests of traditional null hypotheses. It provides readers with the tools to understand and perform power analyses for virtually all the statistical methods used in the social and behavioral sciences. This edition includes new material and new power software. The programs used for power analysis in this book have been re-written in R, a language that is widely used and freely available. Statistical Power Analysis helps readers design studies, diagnose existing studies, and understand why hypothesis tests come out the way they do.

Routledge
March 2023 : 224pp
Pb: 978-1-032-28300-5 : **£51.99**
Hb: 978-1-032-28301-2 : **£125**
eBook: 978-1-003-29622-5

* For full contents and more information, visit: www.routledge.com/9781032283005

Doing Statistical Analysis

A Student's Guide to Quantitative Research



Christer Thrane

Doing Statistical Analysis looks at three kinds of statistical research questions – descriptive, associational and inferential – and shows students how to conduct statistical analyses and interpret the results. Keeping equations to a minimum, it uses a conversational style and relatable examples such as football, covid-19 and tourism, to aid understanding. Each chapter contains practice exercises, and a section showing students how to reproduce the statistical results in the book using Stata and SPSS. Its accessible approach means this is the ideal textbook for undergraduate students across the social and behavioural sciences needing to build their confidence with statistical analysis.

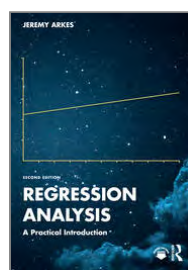
Routledge
July 2022 : 266pp
Pb: 978-1-032-17132-6 : **£49.99**
Hb: 978-1-032-18030-4 : **£135**
eBook: 978-1-003-25255-9

* For full contents and more information, visit: www.routledge.com/9781032171326

2ND EDITION

Regression Analysis

A Practical Introduction



Jeremy Arkes

Regression Analysis covers the concepts needed to design optimal regression models and to properly interpret regressions. It details the most common pitfalls, including three sources of bias not covered in other textbooks. This second edition features a new chapter on integrity and ethics, and has been updated throughout to include more international examples. It is ideal for anyone learning quantitative methods in the social sciences, business, medicine, and data analytics. It will also appeal to researchers and academics looking to better understand regressions.

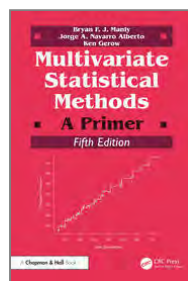
Routledge
January 2023 : 412pp
Pb: 978-1-032-25783-9 : **£39.99**
Hb: 978-1-032-25784-6 : **£125**
eBook: 978-1-003-28500-7

* For full contents and more information, visit: www.routledge.com/9781032257839

5TH EDITION

Multivariate Statistical Methods

A Primer



Bryan F. J. Manly University of Otago, Dunedin, New Zealand, **Jorge A. Navarro Alberto**, **Ken Gerow**

Great starting point for readers looking to become proficient in multivariate statistical methods, but who might not be deeply versed in the language of mathematics. In this edition, we provide readers with conceptual introductions to methods, practical suggestions, new references, and a more extensive collection of R functions and code that will help them to deepen their toolkit of multivariate statistical methods.

Chapman & Hall
October 2024 : 294pp
Pb: 978-1-032-59197-1 : **£52.99**
Hb: 978-1-032-59200-8 : **£150**
eBook: 978-1-003-45348-2

* For full contents and more information, visit: www.routledge.com/9781032591971

3RD EDITION

Multilevel and Longitudinal Modeling with IBM SPSS



Ronald H. Heck University of Hawaii, Manoa, **Scott L. Thomas** University of Vermont, USA, **Lynn N. Tabata** University of Hawaii, Manoa

Series: Quantitative Methodology Series

This text demonstrates how to use the multilevel- and longitudinal-modeling techniques available in IBM SPSS (Version 26). Adopting a workbook format, the text walks readers through setting up, running, and interpreting a variety of different types of multilevel and longitudinal models using the linear mixed-effects model (MIXED and GENLIMIXED) platforms in SPSS. This text is an essential resource for graduate students taking courses on multilevel, longitudinal, and latent variable modeling, multivariate statistics, or advanced quantitative techniques.

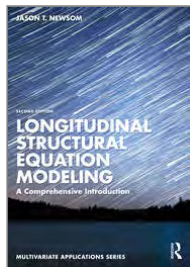
Routledge
April 2022 : 494pp
Pb: 978-0-367-42461-9 : **£47.99**
Hb: 978-0-367-42460-2 : **£165**
eBook: 978-0-367-82427-3

* For full contents and more information, visit: www.routledge.com/9780367424619

2ND EDITION

Longitudinal Structural Equation Modeling

A Comprehensive Introduction



Jason T. Newsom Portland State University, USA

Series: Multivariate Applications Series

Longitudinal Structural Equation Modeling, Second Edition provides an in-depth, comprehensive overview of structural equation modeling (SEM) strategies for longitudinal data to help readers see which modeling options are available for which hypotheses. Ideal for graduate courses on longitudinal (data) analysis, advanced SEM, longitudinal SEM, and/or advanced data (quantitative) analysis taught in the behavioral, social, and health sciences, Longitudinal Structural Equation Modeling, Second Edition, also appeals to researchers in these fields, and the first edition has been popular as a standard reference for this type of analysis.

Routledge

October 2023 : 522pp

Pb: 978-1-032-20286-0 : **£71.99**

Hb: 978-1-032-20283-9 : **£135**

eBook: 978-1-003-26303-6

* For full contents and more information, visit: www.routledge.com/9781032202860

7TH EDITION

Advanced and Multivariate Statistical Methods

Practical Application and Interpretation



Craig A. Mertler Arizona State University, USA, **Rachel A. Vannatta**, **Kristina N. LaVenía** Bowling Green State University

Ideal for non-math majors, Advanced and Multivariate Statistical Methods teaches students to interpret, present, and write up results for each statistical technique without overemphasizing advanced math. This highly applied approach covers the why, what, when and how of advanced and multivariate statistics in a way that is neither too technical nor too mathematical. Students also learn how to compute each technique using SPSS software. New to the seventh edition: Updated to SPSS 26 All screenshots and images in full colour Fully updated ancillaries including how to videos for both statistical techniques and SPSS walkthroughs

Routledge

November 2021 : 350pp

Pb: 978-0-367-49747-7 : **£135**

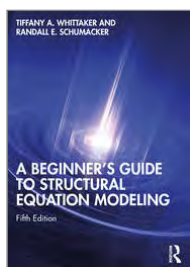
Hb: 978-0-367-49720-0 : **£350**

eBook: 978-1-003-04722-3

* For full contents and more information, visit: www.routledge.com/9780367497477

5TH EDITION

A Beginner's Guide to Structural Equation Modeling



Tiffany A. Whittaker, **Randall E. Schumacker**

A Beginner's Guide to Structural Equation Modeling, fifth edition, has been redesigned with consideration of a true beginner in structural equation modeling (SEM) in mind. The book covers introductory through intermediate topics in SEM in more detail than in any previous edition. This book is intended for true beginners in structural equation modeling and is designed for introductory graduate courses in structural equation modeling taught in psychology, education, business, and the social and healthcare sciences. This book also appeals to researchers and faculty in various disciplines. Prerequisites include correlation and regression methods.

Routledge

May 2022 : 418pp

Pb: 978-0-367-47796-7 : **£68.99**

Hb: 978-0-367-49015-7 : **£135**

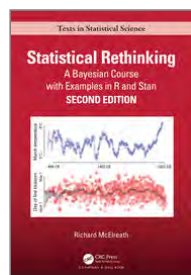
eBook: 978-1-003-04401-7

* For full contents and more information, visit: www.routledge.com/9780367477967

2ND EDITION

Statistical Rethinking

A Bayesian Course with Examples in R and STAN



Richard McElreath Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

Series: *Chapman & Hall/CRC Texts in Statistical Science*

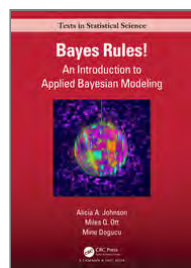
The very popular *Statistical Rethinking: A Bayesian Course with Examples in R and Stan*, Second Edition builds readers' knowledge of and confidence in statistical modeling. Reflecting the need for even minor programming in today's model-based statistics, the book pushes readers to perform step-by-step calculations that are usually automated. This unique computational approach ensures that readers understand enough of the details to make reasonable choices and interpretations in their own modeling work.

Chapman & Hall
March 2020 : 612pp
Hb: 978-0-367-13991-9 : £76.99
eBook: 978-0-429-02960-8

* For full contents and more information, visit: www.routledge.com/9780367139919

Bayes Rules!

An Introduction to Applied Bayesian Modeling



Alicia A. Johnson, Miles Q. Ott Smith College, Northampton, MA 01063, **Mine Dogucu** Denison University, OH, USA

Series: *Chapman & Hall/CRC Texts in Statistical Science*

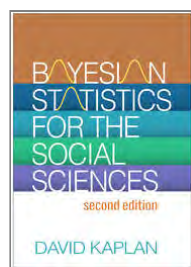
An engaging, sophisticated, and fun introduction to the field of Bayesian Statistics, *Bayes Rules! An Introduction to Bayesian Modeling with R* brings the power of modern Bayesian thinking, modeling, and computing to a broad audience. In particular, it is an ideal resource for advanced undergraduate Statistics students and practitioners with comparable experience. *Bayes Rules!* empowers readers to weave Bayesian approaches into their everyday practice.

Chapman & Hall
March 2022 : 544pp
Pb: 978-0-367-25539-8 : £61.99
Hb: 978-1-032-19159-1 : £175
eBook: 978-0-429-28834-0

* For full contents and more information, visit: www.routledge.com/9780367255398

2ND EDITION

Bayesian Statistics for the Social Sciences, Second Edition



David Kaplan University of Wisconsin–Madison, United States

This book equips social science researchers to apply the latest Bayesian methodologies to their data analysis problems. The second edition includes new chapters on model uncertainty, Bayesian variable selection and sparsity, and Bayesian workflow for statistical modeling, and emphasizes use of the RStan software package. Topics include frequentist and epistemic probability, prior distributions, Hamiltonian Monte Carlo, Bayesian linear regression and generalized linear models, model evaluation and comparison, multilevel modeling, missing data, and more. The book includes worked-through examples with annotated RStan code, and features a helpful companion website.

Guilford Press
December 2023 : 250pp
Hb: 978-1-462-55354-9 : £59.99

* For full contents and more information, visit: www.routledge.com/9781462553549

2ND EDITION

The Effect

An Introduction to Research Design and Causality



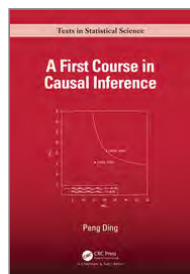
Nick Huntington-Klein

This book is about research design, specifically concerning research that uses non-experimental data to figure out whether one thing causes another. It introduces the concept of identification thoroughly and clearly and discusses it as a process of trying to isolate variation that has a causal interpretation. Concepts are demonstrated with a heavy emphasis on graphical intuition and the question of what we do to data. When we “add a control variable” what does that actually do? The second edition features a new chapter on partial identification, updated materials, methods, and writing throughout, and additional materials for help navigating the book or in using the book in teaching.

Chapman & Hall
April 2025 : 686pp
Pb: 978-1-032-58022-7 : **£39.99**
Hb: 978-1-032-58194-1 : **£120**

* For **full contents** and more information, visit: www.routledge.com/9781032580227

A First Course in Causal Inference



Peng Ding University of California Berkeley, U.S.A

Series: Chapman & Hall/CRC Texts in Statistical Science

This textbook, based on the author's course on causal inference at UC Berkeley taught over the past seven years, only requires basic knowledge of probability theory, statistical inference, and linear and logistic regressions. It assumes minimal knowledge of causal inference, and reviews basic probability and statistics in the appendix. It covers causal inference from a statistical perspective and includes examples and applications from biostatistics and econometrics. This book is suitable for an advanced undergraduate or graduate-level course on causal inference, or postgraduate and PhD-level course in statistics and biostatistics departments.

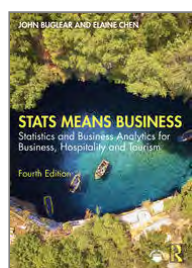
Chapman & Hall
July 2024 : 448pp
Hb: 978-1-032-75862-6 : **£64.99**
eBook: 978-1-003-48408-0

* For **full contents** and more information, visit: www.routledge.com/9781032758626

4TH EDITION

Stats Means Business

Statistics and Business Analytics for Business, Hospitality and Tourism



John Buglear , Elaine Chen

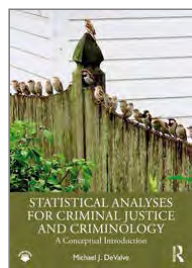
Stats Means Business is an introductory and comprehensive textbook written especially for Hospitality, Business and Tourism students who take statistics or quantitative methods modules. By minimising technical language, providing clear definitions of key terms and giving emphasis to interpretation rather than technique, this book caters to beginners in the subject. Stats Means Business is an ideal, accessible and practical introduction to statistics and quantitative research methods for Hospitality, Business and Tourism students.

Routledge
April 2025 : 464pp
Pb: 978-1-032-75021-7 : **£57.99**
Hb: 978-1-032-75018-7 : **£145**

* For full contents and more information, visit: www.routledge.com/9781032750217

Statistical Analyses for Criminal Justice and Criminology

A Conceptual Introduction



Michael J. DeValve

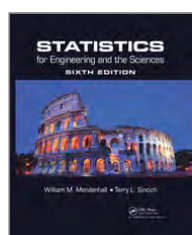
This book is a how-to guide for statistical analyses designed for undergraduates and others new to the subject. Written in an easy-going and clear style, the book uses policing data to illustrate concepts and includes a short narrative at the beginning of each chapter to engage readers. Easily identified Main Take-Aways and Key Terms features aid student understanding. Designed to combat the fear of mathematics and statistics often held by students in the social sciences, plain verbiage, multiple examples, and clear demonstrations combine to achieve the actualization and proper contextualized use of univariate and bivariate statistics.

Routledge
June 2024 : 194pp
Pb: 978-1-032-63854-6 : **£37.99**
Hb: 978-1-032-63858-4 : **£145**
eBook: 978-1-032-63859-1

* For full contents and more information, visit: www.routledge.com/9781032638546

6TH EDITION

Statistics for Engineering and the Sciences



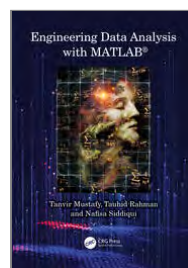
William M. Mendenhall , Terry L. Sincich

Designed for a two-semester introductory course, this popular text continues to teach students the basic concepts of data description and statistical inference as well as the statistical methods necessary for real-world applications. Along with updated and reorganized material, this sixth edition includes many new and updated exercises based on contemporary engineering and scientific-related studies and real data. It also offers more statistical software printouts and corresponding instructions for use that reflect the latest versions of the SAS, SPSS, and MINITAB software.

Chapman & Hall
December 2015 : 1182pp
Hb: 978-1-498-72885-0 : **£84.99**
eBook: 978-0-429-07627-5

* For full contents and more information, visit: www.routledge.com/9781498728850

Engineering Data Analysis with MATLAB®



Tanvir Mustafy Military Inst. of Science and Tech, BD,
Tauhid Rahman Military Inst. of Science and Tech, BD,
Nafisa Siddiqui Military Inst. of Science and Tech, BD

This book provides a concise overview of a variety of techniques for analyzing statistical, scientific, and financial data, using MATLAB® to integrate several approaches to data analysis and statistics. Chapters offer a broad review of computational data analysis, illustrated with many examples and applications. Each chapter combines theoretical concepts with practical MATLAB® applications and includes practice exercises, ensuring a comprehensive understanding of the material. With coverage of both basic and more complex ideas in applied statistics, the book has broad appeal for undergraduate students up to practicing engineers.

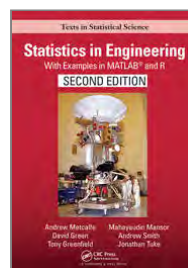
CRC Press
December 2024 : 902pp
Pb: 978-1-032-50771-2 : **£71.99**
Hb: 978-1-032-50658-6 : **£145**
eBook: 978-1-003-39958-2

* For full contents and more information, visit: www.routledge.com/9781032507712

2ND EDITION

Statistics in Engineering

With Examples in MATLAB® and R, Second Edition



Andrew Metcalfe , David Green , Tony Greenfield , Mayhayaudin Mansor , Andrew Smith , Jonathan Tuke

This is a textbook for an undergraduate course in statistics for engineers with a minimal calculus prerequisite. The second edition differs from existing books in three main aspects: it is the only introductory statistics textbook written for engineers that uses R throughout the text, there is an emphasis on statistical methods most relevant to engineers that are illustrated with practical applications, and there is an emphasis on random number generation and simulation, all very useful features in engineering.

Chapman & Hall
June 2020 : 810pp
Pb: 978-0-367-57062-0 : **£45.99**
Hb: 978-1-439-89547-4 : **£86.99**
eBook: 978-1-315-11723-2

* For full contents and more information, visit: www.routledge.com/9780367570620

Data Science

A First Introduction



Tiffany Timbers University of British Columbia, **Trevor Campbell**, **Melissa Lee**

Series: Chapman & Hall/CRC Data Science Series

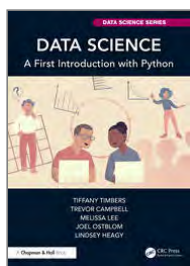
Data Science: A First Introduction focuses on using the R programming language in Jupyter notebooks to perform data manipulation and cleaning, create effective visualizations, and extract insights from data using classification, regression, clustering, and inference. The text emphasizes workflows that are clear, reproducible, and shareable, and includes coverage of the basics of version control. All source code is available online, demonstrating the use of good reproducible project workflows.

Chapman & Hall
July 2022 : 456pp
Pb: 978-0-367-52468-5 : **£49.99**
Hb: 978-0-367-53217-8 : **£125**
eBook: 978-1-003-08097-8

* For full contents and more information, visit: www.routledge.com/9780367524685

Data Science

A First Introduction with Python



Tiffany Timbers University of British Columbia, **Trevor Campbell**, **Melissa Lee** Assistant Professor, Uni of British Columbia, Canada, **Joel Ostblom**, **Lindsey Heagy** Professor, Uni of British Columbia, Canada

Series: Chapman & Hall/CRC Data Science Series

This book focuses on using the Python programming language in Jupyter notebooks to perform data manipulation and cleaning, create effective visualizations, and extract insights from data using classification, regression, clustering, and inference. The text emphasizes workflows that are clear, reproducible, and shareable, and includes coverage of the basics of version control. All source code is available online, demonstrating the use of good reproducible project workflows. The book is designed for learners from all disciplines with minimal prior knowledge of mathematics and programming. The authors have honed the material through years of experience teaching.

Chapman & Hall
August 2024 : 452pp
Pb: 978-1-032-57223-9 : **£58.99**
Hb: 978-1-032-57219-2 : **£150**
eBook: 978-1-003-43839-7

* For full contents and more information, visit: www.routledge.com/9781032572239

A Tour of Data Science

Learn R and Python in Parallel



Nailong Zhang

Series: Chapman & Hall/CRC Data Science Series

This book covers the fundamentals of data science, including programming, statistics, optimization, and machine learning in a single and short book. It does not cover everything, but instead, teaches the key concepts and topics. It also covers two of the most popular programming languages used in Data Science, R and Python, in one source.

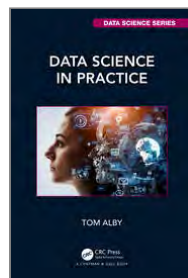
Chapman & Hall
November 2020 : 216pp
Pb: 978-0-367-89586-0 : **£48.99**
Hb: 978-0-367-89706-2 : **£130**
eBook: 978-1-003-02064-6

* For full contents and more information, visit: www.routledge.com/9780367895860

Data Science in Practice

Tom Alby

Series: Chapman & Hall/CRC Data Science Series



Data Science in Practice is the ideal introduction to data science. With or without math skills: Here you get the all-round view that you need for your projects. This book describes how to properly question data, to unearth the treasure that data can be. As technology alone is not enough, this book also deals with problems in project implementation, illuminates various fields of application and addresses ethical aspects. Data Science in Practice includes many examples, notes on errors, decision-making aids and other practical tips, and is ideal as a complementary text for university students, or as a useful learning tool for those starting more data-related roles.

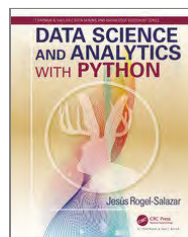
Chapman & Hall
September 2023 : 318pp
Pb: 978-1-032-50526-8 : **£56.99**
Hb: 978-1-032-50524-4 : **£145**
eBook: 978-1-003-42636-3

* For full contents and more information, visit: www.routledge.com/9781032505268

Data Science and Analytics with Python

Jesus Rogel-Salazar Imperial College London, UK

Series: Chapman & Hall/CRC Data Mining and Knowledge Discovery Series



The book is designed for practitioners in data science and data analytics in both academic and business environments. The aim is to present the reader with the main concepts used in data analytics using tools developed in Python, such as SciKit Learn, Pandas, Numpy, etc. The use of Python is of particular benefit given its recent popularity in the data science community, and the book can be used by seasoned programmers and newcomers alike.

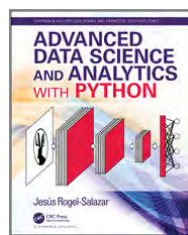
Chapman & Hall
August 2017 : 412pp
Pb: 978-1-498-74209-2 : **£49.99**
Hb: 978-1-138-04317-6 : **£105**
eBook: 978-1-315-15167-0

* For full contents and more information, visit: www.routledge.com/9781498742092

Advanced Data Science and Analytics with Python

Jesus Rogel-Salazar Imperial College London, UK

Series: Chapman & Hall/CRC Data Mining and Knowledge Discovery Series

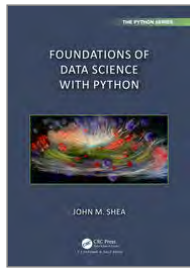


The book is intended for practitioners in data science and data analytics in both academic and business environments. It aims to present the reader with concepts in data science and analytics that were deemed to be more advanced or simply out of scope in the author's first book, and are used in data analytics using tools developed in Python such as SciKit Learn, Pandas, Numpy, etc. The use of Python is of particular benefit given its recent popularity in the data science community. The book is therefore a reference to be used by seasoned programmers and newcomers alike and the key benefit is the practical approach presented throughout the book.

Chapman & Hall
May 2020 : 424pp
Pb: 978-1-138-31506-8 : **£46.99**
Hb: 978-0-429-44661-0 : **£100**
eBook: 978-0-429-44664-1

* For full contents and more information, visit: www.routledge.com/9781138315068

Foundations of Data Science with Python



John M. Shea

Series: Chapman & Hall/CRC The Python Series

Foundations of Data Science with Python introduces readers to the fundamentals of data science, including data manipulation and visualization, probability, statistics, and dimensionality reduction. This book is targeted toward engineers and scientists, but it should be readily understandable to anyone who knows basic calculus and the essentials of computer programming. This book can be used as an undergraduate textbook for an Introduction to Data Science course or to provide a more contemporary approach in courses like Engineering Statistics. It is also intended to be accessible to practicing engineers and scientists

Chapman & Hall
February 2024 : 496pp
Pb: 978-1-032-35042-4 : **£73.99**
Hb: 978-1-032-34674-8 : **£190**
eBook: 978-1-003-32499-7

* For full contents and more information, visit: www.routledge.com/9781032350424

2ND EDITION

Modern Data Science with R



Benjamin S. Baumer Smith College, Northampton, MA,
Daniel T. Kaplan Smith College, Northampton, MA,
Nicholas J. Horton Amherst College, Amherst, MA

Series: Chapman & Hall/CRC Texts in Statistical Science

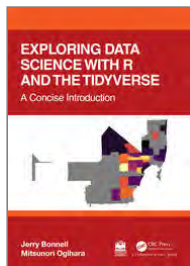
New data technologies and database systems facilitate scraping data and merging information from different sources and formats and restructuring data into a form suitable for analysis. State-of-the-art workflow and tools foster well-documented and reproducible analysis. Modern statistical methods allow the analyst to fit and assess models as well as to undertake supervised or unsupervised learning to extract information. Contemporary data science requires tight integration of these statistics, computing, data skills, mathematics, and communication. The text is intended for readers with some background in statistics and modest prior experience in scripting and programming.

Chapman & Hall
April 2021 : 650pp
Hb: 978-0-367-19149-8 : **£84.99**
eBook: 978-0-429-20071-7

* For full contents and more information, visit: www.routledge.com/9780367191498

Exploring Data Science with R and the Tidyverse

A Concise Introduction



Jerry Bonnell, **Mitsunori Ogihara** University of Miami,
Coral Gables, Florida, USA

This book introduces the reader to data science using R and the tidyverse. No prerequisite knowledge is needed in college-level programming or mathematics (e.g., calculus or statistics). The book is self-contained so readers can immediately begin building data science workflows without needing to reference extensive amounts of external resources for onboarding. The contents are targeted for undergraduate students but are equally applicable to students at the graduate level and beyond. The book develops concepts using many real-world examples to motivate the reader. An exercise set is made available and designed for compatibility with automated grading tools for instructor use.

Chapman & Hall
August 2023 : 492pp
Pb: 978-1-032-34170-5 : **£76.99**
Hb: 978-1-032-32950-5 : **£195**
eBook: 978-1-003-32084-5

* For full contents and more information, visit: www.routledge.com/9781032341705

Statistical Inference via Data Science: A ModernDive into R and the Tidyverse



Chester Ismay DataCamp, **Albert Y. Kim**

Series: Chapman & Hall/CRC The R Series

This is a modern textbook in statistical inference, using the principles of data science through R and the Tidyverse. It assumes minimal background knowledge of the reader: there is no algebra, no calculus, and no prior programming/coding experience. It is designed to be a gentle introduction to the practice of analyzing data and answering questions using data the way data scientists, statisticians, data journalists, and other researchers would. This book is suitable for teaching a first course in statistical inference at undergraduate level.

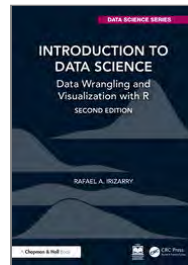
Chapman & Hall
December 2019 : 460pp
Pb: 978-0-367-40982-1 : **£68.99**
Hb: 978-0-367-40987-6 : **£175**
eBook: 978-0-367-40991-3

* For full contents and more information, visit: www.routledge.com/9780367409821

2ND EDITION

Introduction to Data Science

Data Wrangling and Visualization with R



Rafael A. Irizarry

Series: Chapman & Hall/CRC Data Science Series

Thoroughly revised and updated, this is the first book of the second edition of Introduction to Data Science: Data Wrangling and Visualization with R. It introduces skills that can help you tackle real-world data analysis challenges. No previous knowledge of R is necessary, although some experience with programming may be helpful. If you read and understand all the chapters and complete all the exercises in this book, and understand statistical concepts, you will be well-positioned to perform basic data analysis tasks and you will be prepared to learn the more advanced concepts and skills needed to become an expert.

Chapman & Hall
August 2024 : 346pp
Hb: 978-1-032-11655-6 : **£59.99**
eBook: 978-1-003-22092-3

* For full contents and more information, visit: www.routledge.com/9781032116556

Telling Stories with Data

With Applications in R



Rohan Alexander

Series: Chapman & Hall/CRC Data Science Series

The book equips students with the end-to-end skills needed to do data science. That means gathering, cleaning, preparing, and sharing data, then using statistical models to analyse data, writing about the results of those models, drawing conclusions from them, and finally, using the cloud to put a model into production, all done in a reproducible way. This book will achieve the goals by working through extensive case studies in terms of gathering and preparing data, and integrating ethics throughout. It is specifically designed around teaching how to write about the data and models, so aspects such as writing are explicitly covered.

Chapman & Hall
July 2023 : 622pp
Hb: 978-1-032-13477-2 : **£76.99**
eBook: 978-1-003-22940-7

* For full contents and more information, visit: www.routledge.com/9781032134772

Practitioner's Guide to Data Science



Hui Lin , Ming Li

Series: Chapman & Hall/CRC Data Science Series

This book aims to increase the visibility of data science in real-world, which differs from what you learn from a typical textbook. Many aspects of day-to-day data science work are almost absent from conventional statistics, machine learning, and data science curriculum. This book is for readers who want to explore possible career paths and eventually become data scientists. This book comprehensively introduces various data science fields, and programming skills in data science projects. Traditional data-related practitioners such as statisticians, business analysts, and data analysts will find this book helpful in expanding their skills for future data science careers.

Chapman & Hall
May 2023 : 402pp
Pb: 978-0-815-35439-0 : **£54.99**
Hb: 978-0-815-35447-5 : **£145**
eBook: 978-1-351-13291-6

* For full contents and more information, visit: www.routledge.com/9780815354390

2ND EDITION

Big Data and Social Science

Data Science Methods and Tools for Research and Practice



Edited by **Ian Foster** University of Chicago, Illinois, USA, **Rayid Ghani** University of Chicago, Illinois, USA, **Ron S. Jarmin** , **Frauke Kreuter** University of Maryland, USA; University of Mannheim, Germany; and Institute for Employment Research, Germany, **Julia Lane** New York University; American Institutes for Research, USA

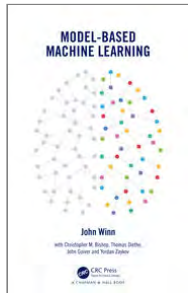
Series: Chapman & Hall/CRC Statistics in the Social and Behavioral Sciences

This classroom-tested book fills a major gap in graduate- and professional-level data science and social science education. It can be used to train a new generation of social data scientists to tackle real-world problems and improve the skills and competencies of applied social scientists and public policy practitioners. It empowers you to use the massive and rapidly growing amounts of available data to interpret economic and social activities in a scientific and rigorous manner.

Chapman & Hall
November 2020 : 412pp
Pb: 978-0-367-56859-7 : **£54.99**
Hb: 978-0-367-34187-9 : **£135**
eBook: 978-0-429-32438-3

* For full contents and more information, visit: www.routledge.com/9780367568597

Model-Based Machine Learning



John Winn Microsoft Research Ltd., Cambridge, United Kingdom

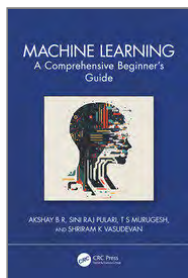
Machine learning is being applied to a growing variety of problems in a variety of domains. A fundamental challenge when using machine learning is connecting the abstract mathematics of a machine learning technique to real world problems. This book tackles this through model-based machine learning, focusing on understanding the assumptions encoded in a machine learning system and their impact on the behaviour of the system. The key ideas of model-based machine learning are introduced through case studies involving real-world applications. It aims not just to explain machine learning methods, but also how to create, debug, and evolve them to solve a problem.

Chapman & Hall
October 2023 : 468pp
Hb: 978-1-498-75681-5 : **£71.99**
eBook: 978-0-429-19268-5

* For full contents and more information, visit: www.routledge.com/9781498756815

Machine Learning

A Comprehensive Beginner's Guide



Akshay B R, Sini Raj Pulari, T.S. Murugesh Govt. College of Engineering Srirangam, Tamil Nadu, Shriram K. Vasudevan Intel India Pvt Ltd., Tamil Nadu

Machine learning is a dynamic and rapidly expanding field focused on creating algorithms that empower computers to recognize patterns, make predictions, and continually enhance performance. Dive into this fascinating field to master machine learning concepts with the step-by-step approach outlined in this book and contribute to its exciting future.

CRC Press
July 2024 : 258pp
Pb: 978-1-032-67666-1 : **£47.99**
Hb: 978-1-032-67665-4 : **£125**
eBook: 978-1-032-67668-5

* For full contents and more information, visit: www.routledge.com/9781032676661

Applied Machine Learning Using mlr3 in R



Edited by Bernd Bischl, Raphael Sonabend, Lars Kotthoff, Michel Lang

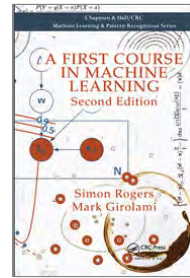
mlr3 is an award-winning ecosystem of R packages that have been developed to enable state-of-the-art machine learning capabilities in R. This book gives an overview of flexible and robust machine learning methods, with an emphasis on how to implement them using mlr3 in R. It covers many key topics, including basic machine learning tasks, such as building and evaluating a predictive model; hyperparameter tuning of machine learning approaches to obtain peak performance; building machine learning pipelines that perform complex operations

Chapman & Hall
January 2024 : 356pp
Pb: 978-1-032-50754-5 : **£63.99**
Hb: 978-1-032-51567-0 : **£165**
eBook: 978-1-003-40284-8

* For full contents and more information, visit: www.routledge.com/9781032507545

2ND EDITION

A First Course in Machine Learning



Simon Rogers, Mark Girolami

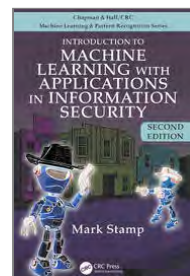
The new edition of this popular, undergraduate textbook has been revised and updated to reflect current growth areas in Machine Learning. The new edition includes three new chapters with more detailed discussion of Markov Chain Monte Carlo techniques, Classification and Regression with Gaussian Processes, and Dirichlet Process models. Previous chapters have also been updated to reflect new developments in Machine Learning, and correct any previous errors in the text.

Chapman & Hall
June 2020 : 428pp
Pb: 978-0-367-57464-2 : **£39.99**
Hb: 978-1-498-73848-4 : **£64.99**
eBook: 978-1-315-38215-9

* For full contents and more information, visit: www.routledge.com/9780367574642

2ND EDITION

Introduction to Machine Learning with Applications in Information Security



Mark Stamp Department of Computer Science, San Jose State University

Series: Chapman & Hall/CRC Machine Learning & Pattern Recognition

Introduction to Machine Learning with Applications in Information Security, Second Edition provides a classroom-tested introduction to a wide variety of machine learning and deep learning algorithms and techniques, reinforced via realistic applications. The book is accessible and doesn't prove theorems, or dwell on mathematical theory. The goal is to present topics at an intuitive level, with just enough detail to clarify the underlying concepts. The applications presented serve to demystify the topics by illustrating the use of various learning techniques in straightforward scenarios.

Chapman & Hall
December 2024 : 548pp
Pb: 978-1-032-20717-9 : **£44.99**
Hb: 978-1-032-20492-5 : **£62.99**
eBook: 978-1-003-26487-3

* For full contents and more information, visit: www.routledge.com/9781032207179

Machine Learning Toolbox for Social Scientists

Applied Predictive Analytics with R



Yigit Aydede Professor, Saint Mary's University

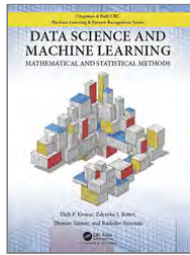
Machine Learning Toolbox for Social Scientists covers predictive methods with complementary statistical "tools" that make it mostly self-contained. The inferential statistics is the traditional framework for most data analytics courses in social science and business fields, especially in Economics and Finance. The new organization that this book offers goes beyond standard machine learning code applications, providing intuitive backgrounds for new predictive methods that social science and business students can follow. The modern statistical methods the book provides allows it to be effectively used in teaching in the social science and business fields.

Chapman & Hall
September 2023 : 600pp
Hb: 978-1-032-46395-7 : **£81.99**
eBook: 978-1-003-38150-1

* For full contents and more information, visit: www.routledge.com/9781032463957

Data Science and Machine Learning

Mathematical and Statistical Methods



Dirk P. Kroese, Zdravko Botev University of New South Wales, **Thomas Taimre, Radislav Vaisman**

Series: Chapman & Hall/CRC Machine Learning & Pattern Recognition

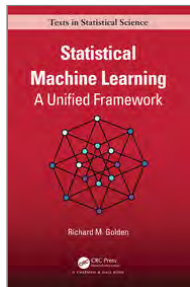
The purpose of this book is to provide an accessible, comprehensive textbook in data science and machine learning. The book will provide a solid basis in linear algebra, optimization, probability, and statistics. The main body will discuss the major topics in machine learning and data science: data manipulation, supervised and unsupervised learning, modelling of data, linear models, regression, classification, principal component analysis, deep learning, high dimensional data, regularization, kernel methods, support vector machines, etc.

Chapman & Hall
November 2019 : 538pp
Hb: 978-1-138-49253-0 : **£86.99**
eBook: 978-0-367-81697-1

* For full contents and more information, visit: www.routledge.com/9781138492530

Statistical Machine Learning

A Unified Framework



Richard Golden

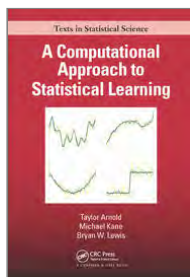
Series: Chapman & Hall/CRC Texts in Statistical Science

For advanced undergraduate students, graduate students, and professional. Presents a wide range of popular, disparate, and diverse machine learning algorithms within a unified theoretical framework, characterized by a collection of carefully chosen theorems from the fields of nonlinear optimization theory and mathematical statistics which respectively characterize both asymptotic behavior and generalization performance. The purpose is to teach students how to confidently apply these theorems in practice. The only required mathematical prerequisites are lower-division linear algebra, lower-division calculus, and an upper-division calculus-based course in probability theory.

Chapman & Hall
July 2020 : 524pp
Hb: 978-1-138-48469-6 : **£105**
eBook: 978-1-351-05150-7

* For full contents and more information, visit: www.routledge.com/9781138484696

A Computational Approach to Statistical Learning



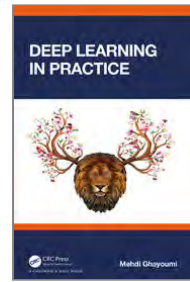
Taylor Arnold, Michael Kane, Bryan W. Lewis

This book synthesizes those techniques from numerical analysis, algorithms, data structures, and optimization theory most commonly employed in statistics and machine learning. We provide concrete applications of these methods by giving complete reference implementations for a large set of the most commonly used statistical estimators. The goal is to provide a self-contained textbook explaining the inner algorithmic workings of statistical estimators.

Chapman & Hall
June 2020 : 374pp
Pb: 978-0-367-57061-3 : **£45.99**
Hb: 978-1-138-04637-5 : **£76.99**
eBook: 978-1-315-17140-1

* For full contents and more information, visit: www.routledge.com/9780367570613

Deep Learning in Practice



Mehdi Ghayoumi University of San Diego

Deep Learning in Practice helps you learn how to develop and optimize a model for your projects using Deep Learning (DL) methods and architectures. This book is useful for undergraduate and graduate students, as well as practitioners in industry and academia. It will serve as a useful reference for learning deep learning fundamentals and implementing a deep learning model for any project, step by step.

Chapman & Hall
December 2021 : 218pp
Hb: 978-0-367-45862-1 : **£74.99**
eBook: 978-1-003-02581-8

* For full contents and more information, visit: www.routledge.com/9780367458621

Deep Learning for Engineers



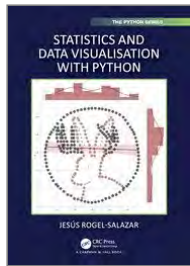
Tariq M. Arif Weber State University Ogden, UT, **Md**
Adilur Rahim Louisiana State University Baton Rouge, LA

As a comprehensive guideline for applying deep learning models in practical settings, this book features an easy-to-understand coding structure using Python and PyTorch with an in-depth explanation of four typical deep learning case studies on image classification, object detection, semantic segmentation, and image captioning. Science and engineering students, academic researchers, and industry professionals will find the contents useful.

Chapman & Hall
February 2024 : 170pp
Pb: 978-1-032-51581-6 : **£49.99**
Hb: 978-1-032-50473-5 : **£89.99**
eBook: 978-1-003-40292-3

* For full contents and more information, visit: www.routledge.com/9781032515816

Statistics and Data Visualisation with Python



Jesus Rogel-Salazar Imperial College London, UK

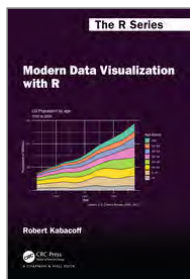
Series: Chapman & Hall/CRC The Python Series

Statistics and Data Visualisation with Python aims to build statistical knowledge from the ground up by enabling the reader to understand the ideas behind inferential statistics, and begin to formulate hypotheses that form the foundations for the applications and algorithms in statistical analysis, business analytics, machine learning and applied machine learning. This book is intended to serve as a bridge in statistics for graduates and business practitioners interested in using their skills in the area of statistical science, and data science and analytics, acting as a refresher for readers that have taken some courses in statistics, but not necessarily use it in their daily work.

Chapman & Hall
January 2023 : 554pp
Pb: 978-0-367-74451-9 : **£44.99**
Hb: 978-0-367-74936-1 : **£120**
eBook: 978-1-003-16035-9

* For full contents and more information, visit: www.routledge.com/9780367744519

Modern Data Visualization with R



Robert Kabacoff

Series: Chapman & Hall/CRC The R Series

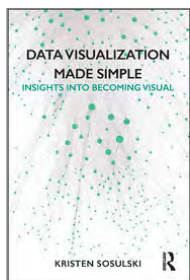
Describes ways that raw and summary data can be turned into visualizations that convey meaningful insights: basic graphs, bar charts, scatter plots, and line charts, and progresses to tree maps, alluvial plots, radar charts, mosaic plots, grouped dot plots, effects plots, multivariate presentations such as corrgrams, biplots, network diagrams.

Chapman & Hall
March 2024 : 271pp
Pb: 978-1-032-28760-7 : **£63.99**
Hb: 978-1-032-28949-6 : **£165**
eBook: 978-1-003-29927-1

* For full contents and more information, visit: www.routledge.com/9781032287607

Data Visualization Made Simple

Insights into Becoming Visual



Kristen Sosulski New York University, USA

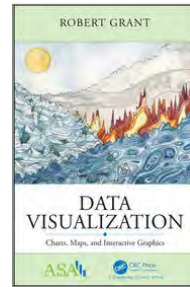
Data Visualization Made Simple is a practical guide to the fundamentals, strategies, and real-world cases for data visualization, an essential skill required in today's information-rich world. With foundations rooted in statistics, psychology, and computer science, data visualization offers practitioners in almost every field a coherent way to share findings from original research, big data, learning analytics, and more. Both novices and seasoned designers in education, business, and other areas can use this book's effective, linear process to develop data visualization literacy and promote exploratory, inquiry-based approaches to visualization problems.

Routledge
October 2018 : 284pp
Pb: 978-1-138-50391-5 : **£36.99**
Hb: 978-1-138-50387-8 : **£145**
eBook: 978-1-315-14609-6

* For full contents and more information, visit: www.routledge.com/9781138503915

Data Visualization

Charts, Maps, and Interactive Graphics



Robert Grant Kingston University & St George's, University of London

Series: ASA-CRC Series on Statistical Reasoning in Science and Society

This is the age of data. There are more innovations and more opportunities for interesting work with data than ever before, but there is also an overwhelming amount of quantitative information being published every day. Data visualisation has become big business, because communication is the difference between success and failure, no matter how clever the analysis may have been. The ability to visualize data is now a skill in demand across business, government, NGOs and academia. Data Visualization: Charts, Maps, and Interactive Graphics gives an overview of a wide range of techniques and challenges, while staying accessible to anyone interested in working with and understanding data.

Chapman & Hall
December 2018 : 248pp
Pb: 978-1-138-70760-3 : **£23.99**
Hb: 978-1-138-55359-0 : **£86.99**
eBook: 978-1-315-20135-1

* For full contents and more information, visit: www.routledge.com/9781138707603

Data Sketches

A journey of imagination, exploration, and beautiful data visualizations



Nadieh Bremer, Shirley Wu

Series: AK Peters Visualization Series

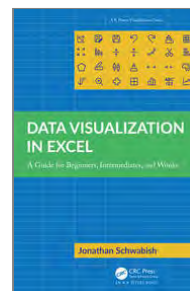
In Data Sketches, Nadieh Bremer and Shirley Wu document the creative and collaborative process behind 24 unique data visualization projects, spanning different topics, technologies, and forms. Features: Technical write-ups with beginner-friendly explanations of core concepts; Practical lessons on data and design challenges; Full-color; Interview with Tamara Munzner; Foreword by Alberto Cairo. This book is perfect for anyone interested or working in data visualization and information design, especially those who want to take their work to the next level and are inspired by unique and compelling data-driven storytelling.

A K Peters/CRC Press
February 2021 : 428pp
Pb: 978-0-367-00008-0 : **£37.99**
Hb: 978-0-367-00012-7 : **£99.99**
eBook: 978-0-429-44501-9

* For full contents and more information, visit: www.routledge.com/9780367000080

Data Visualization in Excel

A Guide for Beginners, Intermediates, and Wonks



Jonathan Schwabish

Series: AK Peters Visualization Series

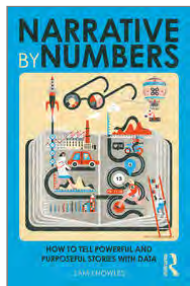
Data Visualization in Excel closes the gap between what people think Excel can do and what they can achieve in the tool. Over the past few years, recognition of the importance of effectively visualizing data has led to an explosion data analysis and visualization software tools. But for many people, Microsoft Excel continues to be the workhorse for their data visualization needs, not to mention the only tool that many data workers have access to. This book is the perfect guide for anyone who wants to create better, more effective, and more engaging data visualizations.

A K Peters/CRC Press
May 2023 : 400pp
Pb: 978-1-032-34326-6 : **£26.99**
Hb: 978-1-032-34328-0 : **£81.99**
eBook: 978-1-032-48782-3 : **£22.99**

* For full contents and more information, visit: www.routledge.com/9781032343266

Narrative by Numbers

How to Tell Powerful and Purposeful Stories with Data



Sam Knowles

Series: Using Data Better

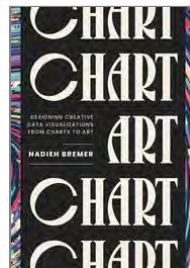
As jobs in the knowledge economy become increasingly similar, there are two core skills that everyone needs if they are going to thrive and succeed and to make a difference. These are the ability to interrogate and make sense of data, and the ability to use the insights extracted from the data to persuade others to take action. Analytics + storytelling = influence. Humans are hardwired to respond to stories and story structure. There are some simple and effective rules of data-driven storytelling that will help everyone tell more compelling, evidence-based stories, whoever they need to convince to create positive change. Narrative by Numbers shows you how.

Routledge
March 2018 : 176pp
Pb: 978-0-815-35314-0 : **£36.99**
Hb: 978-0-815-35315-7 : **£135**
eBook: 978-1-351-13722-5

* For full contents and more information, visit: www.routledge.com/9780815353140

CHART

Designing Creative Data Visualizations from Charts to Art



Nadieh Bremer

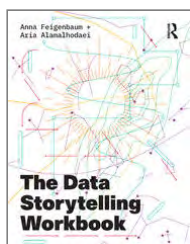
Series: AK Peters Visualization Series

CHART is a guide to unleashing creativity in data visualization. It takes you on a journey along the spectrum from an ordinary chart to data art, packed with ways to bring more creativity into any visualization. It will help to make your visuals more compelling and memorable, long after the numbers have been crunched. The author shares thirteen hands-on, tool-agnostic lessons, each filled with actionable insights and unique perspectives. Between these core lessons, you'll find tips, mini-chapters, and dozens of real-world examples from both client and personal projects. Designed for journalists, data analysts, business professionals, and newcomers alike.

A K Peters/CRC Press
May 2025 : 300pp
Hb: 978-1-032-79775-5 : **£35.99**

* For full contents and more information, visit: www.routledge.com/9781032797755

The Data Storytelling Workbook



Anna Feigenbaum , Aria Alamalhodaie

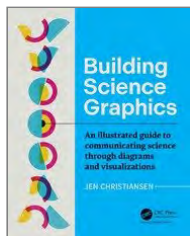
From tracking down information to symbolising human experiences, this book is your guide for telling more effective, empathetic and evidence-based data stories. Wide-ranging and in-depth, this interdisciplinary book is essential for students and researchers in journalism, communication, media, visual arts and cultural studies, as well as any who use data analysis and visualisation within their field.

Routledge
March 2020 : 256pp
Pb: 978-1-138-05211-6 : **£34.99**
Hb: 978-1-138-05210-9 : **£135**
eBook: 978-1-315-16801-2

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Building Science Graphics

An Illustrated Guide to Communicating Science through Diagrams and Visualizations



Jen Christiansen

Series: AK Peters Visualization Series

Building Science Graphics is a practical guide for anyone interested in creating science-centric illustrated explanatory diagrams. Starting with a clear introduction to the concept of information graphics and their role in contemporary science communication, it then outlines a process for creating graphics using evidence-based design strategies. The heart of the book is composed of two step-by-step graphical worksheets, designed to help jump-start any new project.

A K Peters/CRC Press
August 2022 : 357pp
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* For full contents and more information, visit: www.routledge.com/9781032106748

Presenting in English

A Practical Guide



Dick Smakman

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Virtual Presenting

A Guide to Formats, Production and Authentic Delivery



Jamie Cohen, Michael Sorrentino

Responding to the widespread and continued acceleration of virtual working practices in recent years, Virtual Presenting provides a clear guide to producing, presenting and broadcasting in a remote context. Unlike traditional studio production where a presenter is surrounded by a crew and cameras, the virtual presenter is often isolated or connected to a remote crew. Virtual Presenting explains how to make an authentic connection across great spaces, linked only via Internet. Topics covered include how to build a virtual setup; how to appear on camera; how to appear confident and comfortable; and how to optimize your presentation voice.

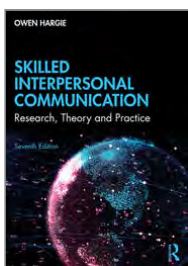
Routledge
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Hb: 978-1-032-27185-9 : **£125**
eBook: 978-1-003-29171-8

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7TH EDITION

Skilled Interpersonal Communication

Research, Theory and Practice



Owen Hargie

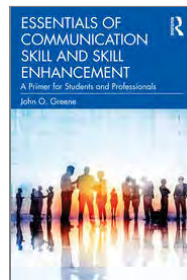
Established as the foremost textbook on communication, the seventh edition of Owen Hargie's Skilled Interpersonal Communication is thoroughly revised and updated with the latest research findings, theoretical developments and applications. Written by one of the foremost international experts in the field, this is essential reading for students of interpersonal communication in general, and to qualified personnel and trainees in many fields.

Routledge
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Pb: 978-1-032-00878-3 : **£49.99**
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Essentials of Communication Skill and Skill Enhancement

A Primer for Students and Professionals



John O. Greene

For those who wish to learn or teach the tools of skillful communication, this book provides concrete insight into what makes a person a successful communicator. Predicated on four simple notions—that communication can be done well or poorly, that communication skills matter, that people differ in those skills, and that those skills can be improved—the book helps readers identify and enhance their own communication strengths and address weaknesses, assess the communication skills of others, and coach others to improvement. This book is written for students and professionals in fields such as human resources, sales, training, counseling, customer relations, education, and healthcare.

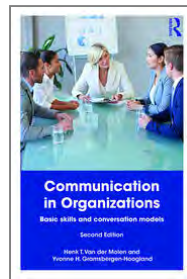
Routledge
March 2021 : 174pp
Pb: 978-0-367-53428-8 : **£36.99**
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eBook: 978-1-003-08345-0

* For full contents and more information, visit: www.routledge.com/9780367534288

2ND EDITION

Communication in Organizations

Basic Skills and Conversation Models



Henk T. Van der Molen, Yvonne Gramsbergen-Hoogland

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Routledge
October 2018 : 214pp
Pb: 978-1-138-55212-8 : **£32.99**
Hb: 978-1-138-55210-4 : **£135**
eBook: 978-1-315-14796-3

* For full contents and more information, visit: www.routledge.com/9781138552128

Interpersonal Skills for Group Collaboration

Creating High-Performance Teams in the Classroom and the Workplace



Tammy Rice-Bailey Milwaukee School of Engineering, USA, **Felicia Chong**

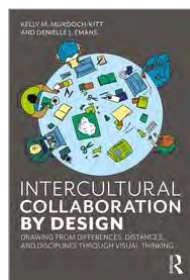
This lively and engaging text introduces readers to the core interpersonal and organizational skills needed to effectively collaborate on group projects in the classroom and the workplace. This guide can be used a supplementary text for any courses involving group projects, and will also be of interest to professionals in communication, business, and many other fields.

Routledge
February 2023 : 142pp
Pb: 978-1-032-25906-2 : **£35.99**
Hb: 978-1-032-25907-9 : **£125**
eBook: 978-1-003-28557-1

* For full contents and more information, visit: www.routledge.com/9781032259062

Intercultural Collaboration by Design

Drawing from Differences, Distances, and Disciplines Through Visual Thinking



Kelly Murdoch-Kitt, Denielle Emans

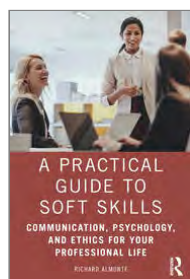
Intercultural Collaboration by Design introduces a framework for collaborating across cultures and learning to use multicultural perspectives to address pressing global issues. With over 30 hands-on activities, this book will be of great interest to diverse teams from a variety of disciplines who want to enhance intercultural learning and co-working. Whether in the classroom or workplace, the activities are appropriate for a variety of collaboration contexts, without a need for background in art or design.

Routledge
January 2020 : 308pp
Pb: 978-0-367-21931-4 : **£32.99**
Hb: 978-0-367-21932-1 : **£120**
eBook: 978-0-429-26882-3

* For full contents and more information, visit: www.routledge.com/9780367219314

A Practical Guide to Soft Skills

Communication, Psychology, and Ethics for Your Professional Life



Richard Almonte

This accessible text overviews the range of soft skills sought after by employers and provides a practical guide to developing and effectively demonstrating these skills. The book can be used as a supplement for communication, business, and career-oriented courses, and will be of interest to individual students and junior professionals as well as career counsellors, postsecondary instructors across the curriculum, and professionals in human resources and learning and development.

Routledge
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Pb: 978-1-032-07105-3 : **£41.99**
Hb: 978-1-032-08101-4 : **£140**
eBook: 978-1-003-21294-2

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English for Business Communication



Mable Chan

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This textbook provides a comprehensive introduction for students and professionals who are studying English for business or workplace communication and covers both spoken and written English. Based on up-to-date research in business communication and incorporating an international range of real-world authentic texts, this book deals with the realities of communication in business today. This book goes beyond the traditional coverage of business English to provide a broad and practical textbook for those studying English in a workplace setting.

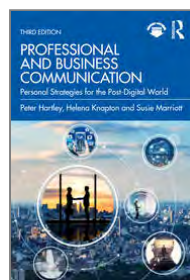
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eBook: 978-1-351-06003-5

* For full contents and more information, visit: www.routledge.com/9781138481688

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Personal Strategies for the Post-Digital World



Peter Hartley Edge Hill University, UK, **Susie Marriott**, **Helena Knapton**

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Hb: 978-1-032-28586-3 : **£135**
eBook: 978-1-003-29755-0

* For full contents and more information, visit: www.routledge.com/9781032268002

Creating a Successful Digital Presence

Objectives, Strategies and Tactics



Gordon Fletcher University of Salford, UK, **Noel Adolphus**

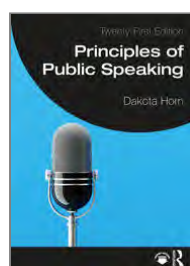
Increasingly graduates, and anyone entering employment, need an individual digital presence to showcase themselves to secure their first professional role. It takes an employability approach to encourage readers to recognise and deliver an effective digital presence. By using a strategic and systematic process, this book draws together academic thinking with practical outcomes. It is essential reading for advanced undergraduate and postgraduate students studying any discipline related to the digital world, particularly digital marketing and digital business, entrepreneurship and strategy, as well as those taking employability and personal professional development programmes.

Routledge
July 2021 : 212pp
Pb: 978-0-367-46037-2 : **£37.99**
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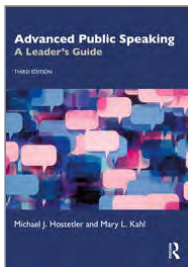
Routledge
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eBook: 978-1-032-72308-2 : **£96.99**

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3RD EDITION

Advanced Public Speaking

A Leader's Guide



Michael J. Hostetler St. John's University, USA, **Mary L. Kahl**

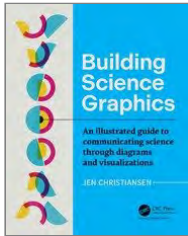
Providing users with the opportunity to increase their speaking abilities across a wide variety of complex and specific contexts, this student-engagement focused and flexible text serves as a core textbook for upper-level undergraduate public speaking courses.

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March 2024 : 212pp
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eBook: 978-1-003-41078-2

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Building Science Graphics

An Illustrated Guide to Communicating Science through Diagrams and Visualizations



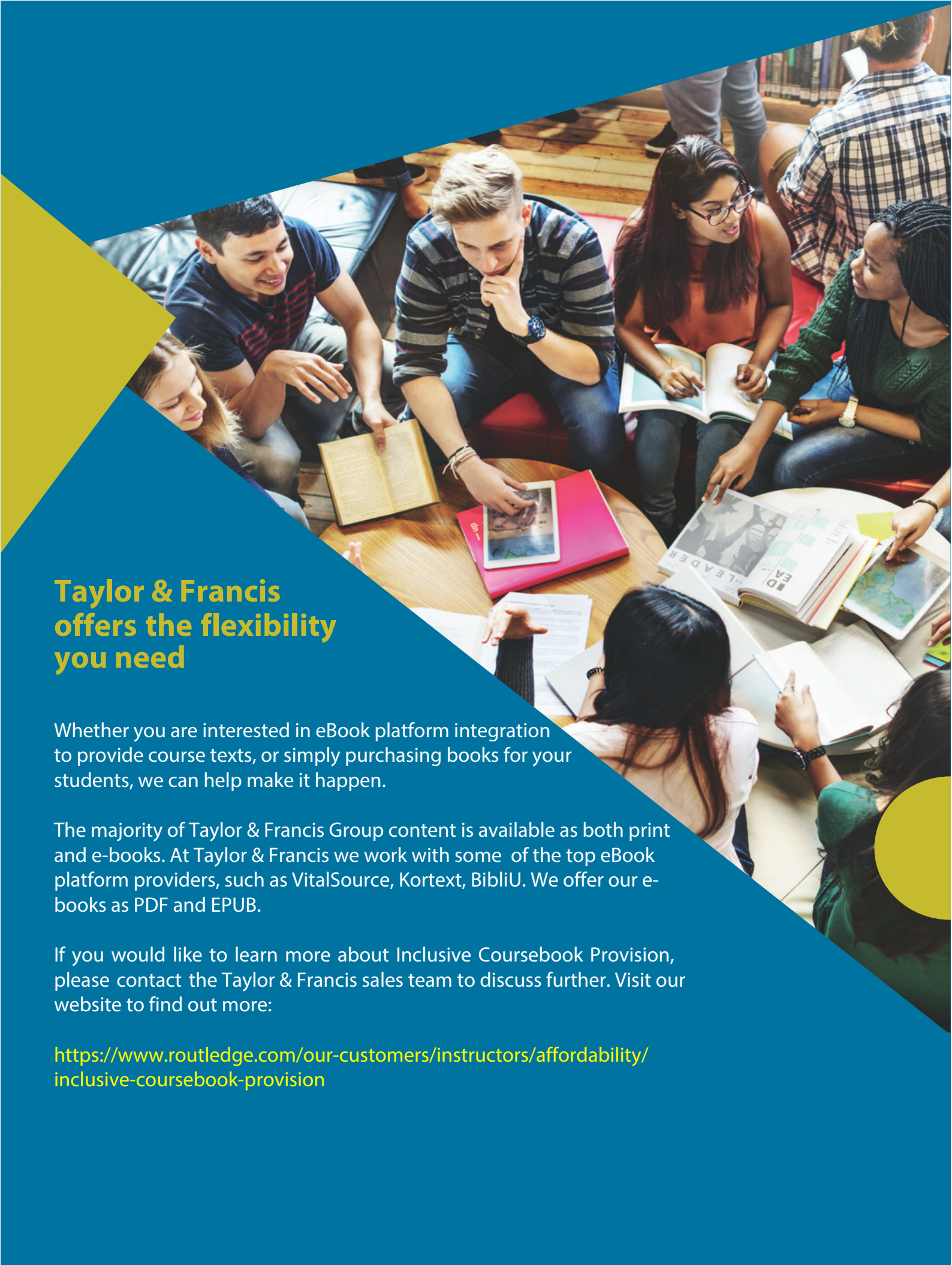
Jen Christiansen

Series: AK Peters Visualization Series

Building Science Graphics is a practical guide for anyone interested in creating science-centric illustrated explanatory diagrams. Starting with a clear introduction to the concept of information graphics and their role in contemporary science communication, it then outlines a process for creating graphics using evidence-based design strategies. The heart of the book is composed of two step-by-step graphical worksheets, designed to help jump-start any new project.

A K Peters/CRC Press
August 2022 : 357pp
Pb: 978-1-032-10674-8 : **£38.99**
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