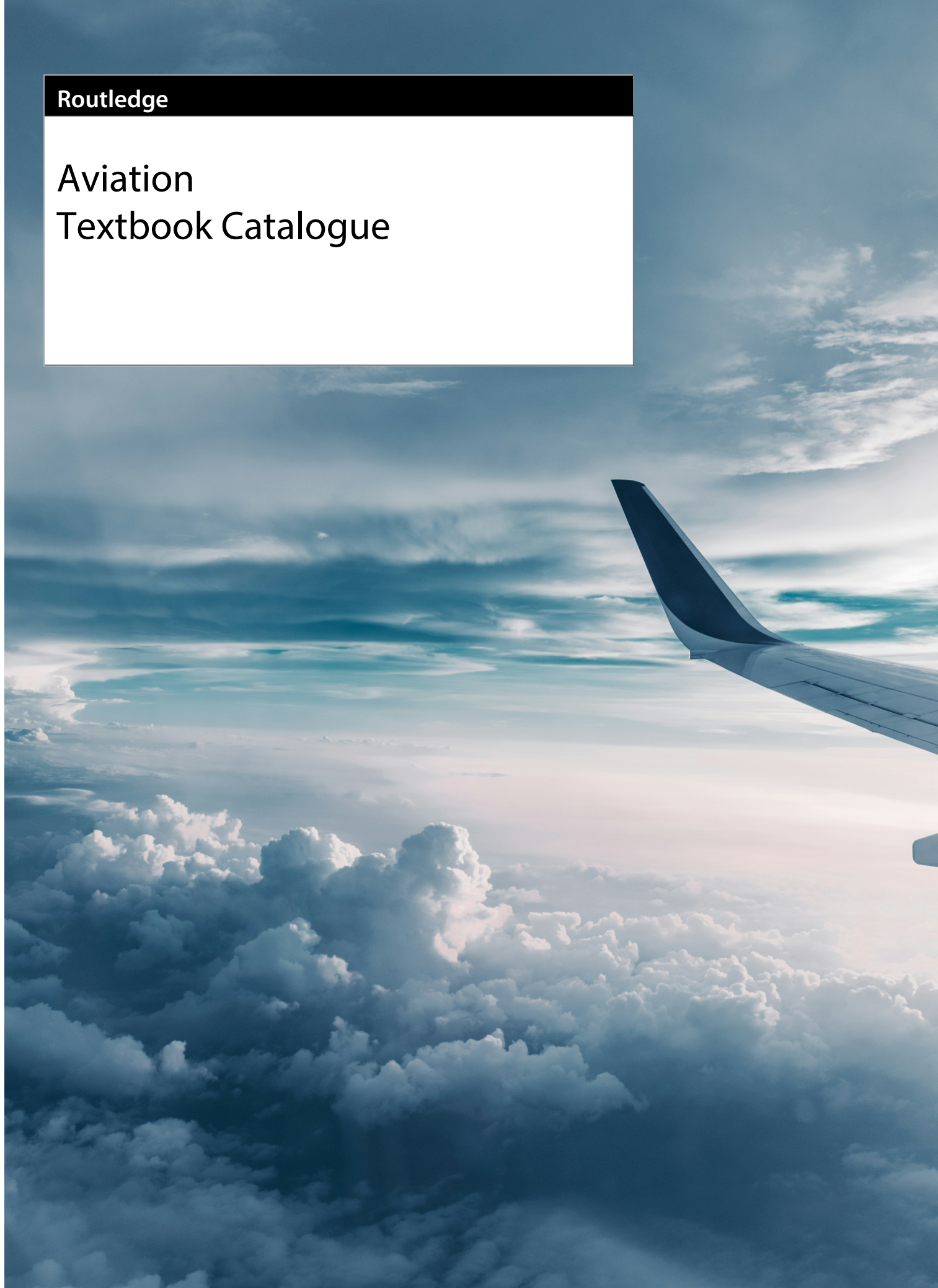


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Aerodynamics Principles for Air Transport Pilots



Rose G Davies

Equipping readers with the ability to analyze the nature of airflow on aircrafts, the book provides comprehensive knowledge of the characteristics of subsonic and supersonic airflow. Readers will gain a clear understanding of the aerodynamic forces acting on an aircraft across a range of speeds and their effects on the aircraft's performance. The book emphasizes the connection between the operating actions in flight and aerodynamic requirements. The content will be of interest to senior undergraduates studying to obtain their Airline Transport Pilot License (ATPL)/Airline Transport Pilot (ATP) certificate, general aviation and air transport pilots, and aircraft maintenance engineers.

CRC Press

April 2020:266

Hb: 978-0-367-18854-2: **£105**

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Aerospace Project Management Handbook



Edited by **M. Ann Garrison Darrin, Patrick A. Stadter**

The Aerospace Project Management Handbook focuses on space systems, exploring intricacies rarely seen in land-based projects. These range from additional compliance requirements from Earned Value Management requirements and regulations (ESA, NASA, FAA), to criticality and risk factors for systems where repair is impossible. Aerospace project management has become a pathway for success in harsh space environments, as the Handbook demonstrates. With chapters written by experts, this comprehensive book offers a step-by-step approach emphasizing the applied techniques and tools, and is a prime resource for program managers, technical leads, systems engineers, and principle payload leads.

CRC Press

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Human Factors Impacts in Air Traffic Management



Edited by **Barry Kirwan, Mark Rodgers**

In research and application of Human Factors in Air Traffic Management (ATM) systems design, development and operation, there remains a lack of clarity regarding the range and integration of activities associated with the need for greater attention to issues such as human error, interface design and teamwork, especially in systems with increased levels of automation. This book seeks to redress this situation by presenting case studies of human factors applications in which there is demonstrable success in terms of improvement in operational systems. Individual examples are used to outline how each human factors study evolved, what it entailed, how it was resourced and how the results contributed to operational performance. Case studies include training methods, human error, team resource management, situation assessment, terminal automation replacement systems, collaborative decision-making to improve the effectiveness of traffic-flow management and the role of human factors in ATM.

Routledge

November 2016: 584

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An Engineering Approach

**Mohammad H. Sadraey**

Aircraft Performance: An Engineering Approach, Second Edition introduces flight performance analysis techniques of fixed-wing air vehicles, particularly heavier-than-aircraft. It covers maximum speed, absolute ceiling, rate of climb, range, endurance, turn performance, and takeoff run. The book is intended for senior undergraduate aerospace students taking courses in Aircraft Performance, Flight Dynamics, and Flight Mechanics. The second edition features new content on vertical takeoff and landing, UAV launch, UAV recovery, use of rocket engine as the main engine, range for electric aircraft, electric engine, endurance for electric aircraft, gliding flight, and climb-turn.

CRC Press

July 2023:692

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Foreign Object Debris and Damage in Aviation



Ahmed F. El-Sayed

Foreign Object Debris and Damage in Aviation discusses biological and non-biological Foreign Object Debris (FOD) and associated Foreign Object Damage (FOD) in aviation. Written for aviation industry personnel, aircraft transport and ground operators, and aircraft pilots, readers will learn to manage FOD to guarantee air traffic safety with minimum costs to airlines and airports. Management control for the debris begins at the aircraft design phase, and the book includes numerical analyses for estimating damage caused by strikes. It explores aircraft operation in adverse weather conditions and inanimate FOD management programs for airports, airframe, and engine manufacturers.

CRC Press

May 2022:544

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Alan J. Stolzer, Robert L. Sumwalt, John J. Goglia

Safety Management Systems in Aviation, Third Edition presents the quality management underpinnings of SMS, the four components, risk management, reliability engineering, SMS implementation, and the scientific rigor that must be designed into proactive safety. The book is intended for undergraduate aviation students taking Safety Management and Aviation Safety courses. It also functions as a valuable reference tool for SMS practitioners. Including coverage on the cultures of regulatory organizations and expanded coverage on culture assessment, the book considers the nexus between cultural maturity and safety management performance.

CRC Press

April 2023:364

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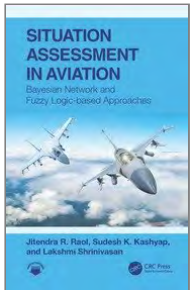
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Situation Assessment in Aviation

Bayesian Network and Fuzzy Logic-based Approaches



Jitendra R. Raol, Sudesh K. Kashyap, Lakshmi Shrinivasan

Situation Assessment in Aviation new aspects of soft computing technologies for evaluation and assessment of situations in aviation scenarios. It considers using technologies, emerging from: multisensory data fusion (MSDF), Bayesian networks (BN), and fuzzy logic (FL), to assist pilots in their decision-making. The book is intended for aerospace R&D engineers, systems engineers, aeronautical engineers, and aviation training professionals. It will also be useful for aerospace and electrical engineering students taking courses in Air Traffic Management, Aviation Management, Aviation Operations, and Aviation Safety Systems.

CRC Press

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**Scott Jackson**

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Routledge

March 2017:NA

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Mike Tooley, David Wyatt

This introduces the principles for aircraft maintenance engineering especially for Air Transport Association of America chapters 23/34, and modules 11 and 13 of part-66 of the European Aviation Safety Agency syllabus. It supports any EASA or FAR-147-approved course in aerospace engineering. It includes a new chapter on EMC, with examples of EMI, and covers antenna configuration and matching; the Smith Chart; Virtual Network Analysis; Software Defined Radio technology; precision-area navigation (P-RNAV); phased array radar technology; and ADS-B and FANS mandates. With self-test questions, exercises and multiple choice questions, and interactive materials on the book's website.

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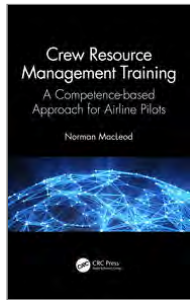
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Crew Resource Management Training

A Competence-based Approach for Airline Pilots



Norman MacLeod

The book provides a data-driven approach to real-world CRM applicable to commercial pilot performance. It addresses the shift to a systems-based resilience thinking that aims to understand how worker performance provides a buffer against failure. Airlines, pilots, and aviation industry professionals will benefit from the insights into organisational design and alternative approaches to training. Taking a competence-based approach offers a more coherent, relevant approach to CRM. The book presents relevant, real world examples of the concepts and outlines a change in thinking around pilot performance and interpretation of data that is overdue.

CRC Press

May 2023:325

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Mike Tooley

This text is a thorough introduction to the principles and practice of aircraft digital electronic, avionic and computer systems. It particularly suits maintenance engineer students on an EASA Part-66 or FAR-147 approved course, and those on related City & Guilds, National or Higher National Units, or First/Foundation degree courses in aircraft engineering and similar. New topics in this third edition include integrated modular avionics, cabin systems, and aircraft information systems; together with examples from the latest Airbus and Boeing systems, and updates to data buses and integrated circuits. The companion website www.66web.co.uk offers additional resource material.

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Classical, Modern, and AI-Based Approaches



Jitendra R. Raol, Ramakalyan Ayyagari

This book provides a broad and comprehensive study of the principles, mathematics, and applications for studying basic control in Mechanical, Electrical, Aerospace, and other engineering disciplines. The text builds a strong mathematical foundation of control theory, introducing linear, non-linear, digital, optimal, and robust control systems, and builds upon that foundation to address applications in emerging areas such as unmanned aircraft systems, robotic systems, and spacecraft. Numerical coverage with MATLAB® is integrated, and numerous examples and exercises are included in each chapter; and MATLAB® code will be available.

CRC Press

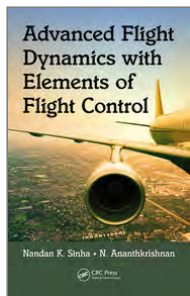
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Advanced Flight Dynamics with Elements of Flight Control



Nandan K. Sinha, N. Ananthkrishnan

Advanced Flight Dynamics highlights the revised and corrected aerodynamic modeling. It uses bifurcation and continuation theory, especially the Extended Bifurcation Analysis (EBA) procedure, to blend the subjects of aircraft performance, trim and stability, and flight control into a unified whole. Present book is based exclusively on the use of bifurcation and continuation methods for flight dynamic analysis. Furthermore, it uses the generalized Nonlinear Dynamic Inversion (NDI) methodology to illustrate the fundamental principles of flight control. The NDI methodology when used with the EBA procedure allows us to demonstrate trim and stability in the closed-loop in a convenient manner.

CRC Press

June 2017:366

Hb: 978-1-498-74604-5: **£145**

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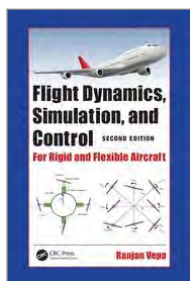
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For Rigid and Flexible Aircraft



Ranjan Vepa

Flight Dynamics, Simulation, and Control of Aircraft: For Rigid and Flexible Aircraft, Second Edition explains the basics of nonlinear aircraft dynamics and the principles of control configured aircraft design, as applied to rigid and flexible aircraft, drones, and UAVs. The book is intended for senior undergraduate and graduate engineering students taking Flight Dynamics and Flight Control courses. The book covers the conventional dynamics of rigid aircraft and examines the use of linear and non-linear model-based techniques and their applications to flight control. It also includes an updated Solutions Manual and PowerPoint slides for instructor use.

CRC Press

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An Introductory Course



James DeLaurier

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Ahmed F. El-Sayed

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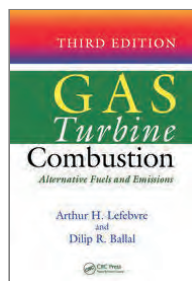
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CRC Press

April 2010:558

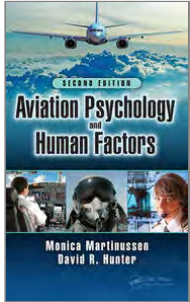
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Monica Martinussen, David R. Hunter

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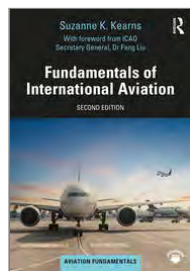
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Routledge

March 2021: 504

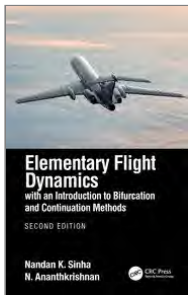
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Nandan K. Sinha, N. Ananthkrishnan

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CRC Press

September 2023:389

Hb: 978-0-367-56207-6: £115

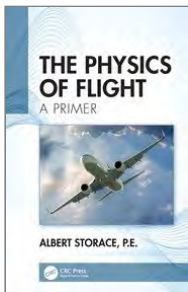
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The Physics of Flight

A Primer



Albert Storace

The Physics of Flight provides a comprehensive explanatory reference on the basic physics of flight with a clear presentation of the underlying mathematics. It presents a momentum-based explanation of lift without using Bernoulli's theorem. The book is for undergraduate aviation and aerospace students taking courses in Flight Dynamics, Introduction to Flight, and Physics of Flight. Disproving misconceptions, such as identifying centrifugal force experienced in an airplane undergoing maneuvers as a fictitious force, the book does not attribute weightlessness during airplane pitch over or experienced in an airplane performing a parabolic flight path to the effects of free fall.

CRC Press

December 2023:84

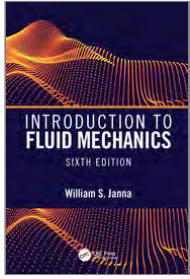
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CRC Press

April 2020: 754

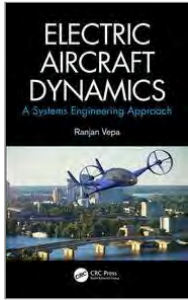
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Electric Aircraft Dynamics

A Systems Engineering Approach



Ranjan Vepa

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CRC Press

January 2022:350

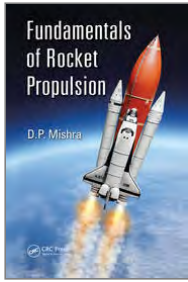
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Fundamentals of Rocket Propulsion



DP Mishra

Designed and developed as an introductory text on the fundamental aspects of rocket propulsion, this textbook comprises of ten chapters ranging from brief introduction and elements of rocket propulsion, aerothermodynamics to solid, liquid and hybrid propellant rocket engines with chapter on electrical propulsion. Worked out examples are provided at the end of chapter for understanding uncertainty analysis and including solutions manual for instructors.

CRC Press

June 2020:482

Hb: 978-1-498-78535-8: **£115**

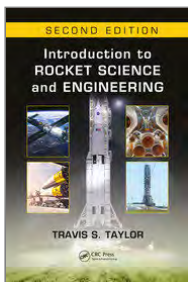
Pb: 978-0-367-57329-4: **£44.99**

eBook: 978-1-315-17599-7

* For full contents and more information, visit: www.routledge.com/9780367573294

2ND EDITION

Introduction to Rocket Science and Engineering



Travis S. Taylor

Introduction to Rocket Science and Engineering, Second Edition, presents the history and basics of rocket science, and examines design, experimentation, testing, and applications. Exploring how rockets work, the book covers the concepts of thrust, momentum, impulse, and the rocket equation, along with the rocket engine, its components, and the physics involved in the generation of the propulsive force. The text also presents several different types of rocket engines and discusses the testing of rocket components, subsystems, systems, and complete products. The final chapter stresses the importance for rocket scientists and engineers to creatively deal with the complexities of rocketry.

CRC Press

July 2017:352

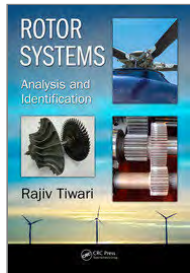
Hb: 978-1-498-77232-7: **£105**

eBook: 978-1-315-12095-9

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Rotor Systems

Analysis and Identification



Rajiv Tiwari

With focus on understanding of rotor dynamics, the book starts with introductory material for finite element methods and moves to linear and non-linear vibrations, continuous systems, vibration measurement techniques, signal processing and error analysis, general identification techniques in engineering systems, including MATLAB analysis of simple rotors.

CRC Press

December 2017:1092

Hb: 978-1-138-03628-4: **£175**

eBook: 978-1-315-23096-2

* For full contents and more information, visit: www.routledge.com/9781138036284

An Introduction to the Spaceport Industry

Runways to Space



Janet K. Tinoco, Chunyan Yu, Diane Howard, Ruth E. Stilwell

Through case and event studies, research and analysis, along with information obtained through professional experience, this book provides an overview of the many benefits, unique challenges, and issues facing commercial spaceports and spaceport operators. Each chapter is a stand-alone key topic such that the reader can focus on the most compelling issues relevant for him/her or can view the book as an integrated whole for a full perspective. While examples and case studies come largely from the United States, the reader can draw conclusions that are independent of country and situation.

Routledge

July 2020:234

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eBook: 978-1-351-16584-6

* For full contents and more information, visit: www.routledge.com/9780815348870

Resilient Space Systems Design

An Introduction



Ron Burch

Presenting a fundamental definition of resilience, the book examines the concept of resilience as it relates to space system design. The book establishes the required definitions, relates its place to existing state-of-the-art systems engineering practices, and explains the exact process and mathematical tools used to achieve a resilient design. The book begins with space systems basics prior to exploring the details of resilience, and does not assume that the reader has an extensive background in the subject matter of resilience. Engineers and architects in the areas of aerospace, space systems, and space communications will be most interested in the content.

CRC Press

September 2019:192

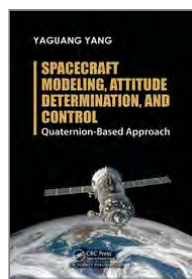
Hb: 978-0-367-14848-5: **£105**

eBook: 978-0-429-05360-3

* For full contents and more information, visit: www.routledge.com/9780367148485

Spacecraft Modeling, Attitude Determination, and Control

Quaternion-Based Approach



Yaguang Yang

This book discusses all spacecraft attitude control related topics: spacecraft (including attitude measurements, actuator, and disturbance torques) modeling, spacecraft attitude determination and estimation, and spacecraft attitude controls. Unlike other books addressing the same topics, this one focuses on quaternion-based methods because of the many merits of quaternion-based models. The book also presents a brief, but necessary, background on rotation sequence representations and frequently used reference frames that form the foundation of spacecraft attitude description.

CRC Press

March 2021:340

Hb: 978-1-138-33150-1: **£170**

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Spacecraft Power Systems



Mukund R. Patel, Omid Beik

Spacecraft Power Systems presents comprehensive coverage of the fundamentals, design-trades, components, controls, and operations of spacecraft power systems. With new and updated chapters, sections, and discussions, the second edition covers current high-voltage MW-scale electric propulsion, updated PV and battery systems, spacecraft power components, and power electronics. The book is intended for senior undergraduate and graduate mechanical, aerospace, and electrical engineering students taking courses in Space Systems, Space Engineering, and Spacecraft Power Systems.

CRC Press

December 2023:362

Hb: 978-1-032-38348-4: **£150**

eBook: 978-1-003-34460-5

* For full contents and more information, visit: www.routledge.com/9781032383484

Towards Sustainable Aviation



Edited by **Paul Upham, Janet Maughan, David Raper, Callum Thomas**

First Published in 2003. Routledge is an imprint of Taylor & Francis, an informa company.

Routledge

February 2003:270

Hb: 978-1-853-83817-0: **£140**

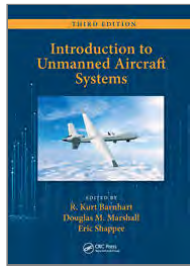
Pb: 978-1-853-83818-7: **£36.99**

eBook: 978-1-849-77340-9

* For full contents and more information, visit: www.routledge.com/9781853838187

3RD EDITION

Introduction to Unmanned Aircraft Systems



Edited by **R. Kurt Barnhart, Douglas M. Marshall, Eric Shappee**

Featuring chapters by leading experts, this fully updated bestseller fills the need for an accessible and effective university textbook. Focussing on the civilian applications of UAS, the text begins with an historical overview of unmanned aerial vehicles, and proceeds to examine each major UAS subsystem. Its combination of understandable technical coverage and up-to-date information on policy and regulation makes the text appropriate for both Aerospace Engineering and Aviation programs.

CRC Press

March 2021:524

Hb: 978-0-367-36659-9: £120

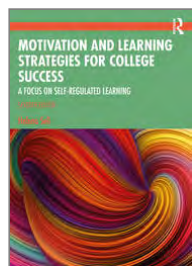
eBook: 978-0-429-34749-8

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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 2023:304
Hb: 978-1-032-47255-3: **£130**
Pb: 978-1-032-47020-7: **£48.99**
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, Brian Dudak**

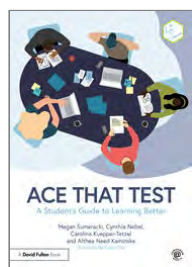
This book is your one-stop shop for the academic tools and habits needed to make your transition from high school to college a resounding success! The shift from high school to college can be a challenge, with many students finding the skills that had previously worked so well no longer seem to be enough. *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 2023:202
Pb: 978-1-032-52409-2: **£12.99**
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-Tetzel, Althea Need Kaminske**

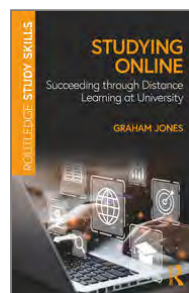
This exciting new text reveals the effective study strategies that will help you to use your time more efficiently, ace your tests, and retain information over time. In full colour and accompanied by beautifully illustrated graphics, *Ace That Test* offers evidence-based learning strategies that students 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 2023:146
Hb: 978-1-032-35586-3: **£120**
Pb: 978-1-032-35585-6: **£16.99**
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***Series: Routledge Study Skills*

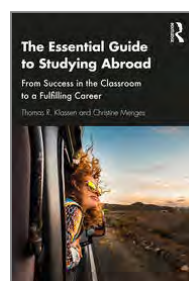
Helping you get to grips with online learning, this book contains a wealth of practical tips and strategies that will make studying online easier. Covering the advantages of online learning as well as the problems you might face, this book provides tried and tested advice to help you overcome those difficulties 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 2022:244
Hb: 978-1-032-19538-4: **£120**
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eBook: 978-1-003-25969-5

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

The Essential Guide to Studying Abroad

From Success in the Classroom to a Fulfilling Career

**Thomas R. Klassen, Christine Menges**

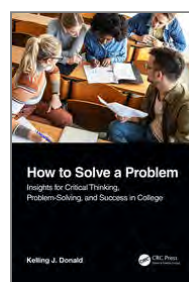
This book is an indispensable how-to-guide on flourishing when studying abroad, and how to use an international education to begin a fulfilling career after graduation. Written in an engaging and accessible style, using many examples, case studies and links to resources, the book reduces the stress of 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 2019:238
Hb: 978-0-367-23515-4: **£130**
Pb: 978-0-367-23516-1: **£31.99**
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**

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 2023:152
Hb: 978-1-032-20368-3: **£56.99**
Pb: 978-1-032-20361-4: **£22.99**
eBook: 978-1-003-26334-0

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

Making Your Doctoral Research Project Ambitious

Developing Large-Scale Studies with Real-World Impact



Edited by **Nadia Siddiqui, Stephen Gorard**

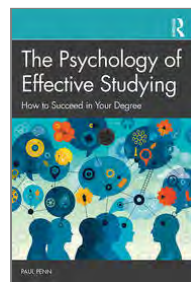
This edited collection provides real and outstanding examples of multiple research design methodologies which will allow doctoral researchers to develop a wide set of research skills, leading to the development of a high-quality academic thesis from which peer reviewed research papers and books can emerge. 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.

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The Psychology of Effective Studying

How to Succeed in Your Degree



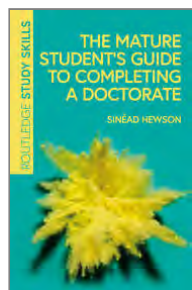
Paul Penn

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 2019:244
Hb: 978-1-138-57090-0: **£115**
Pb: 978-1-138-57092-4: **£19.99**
eBook: 978-0-203-70311-3

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The Mature Student's Guide to Completing a Doctorate



Sinéad Hewson

Series: *Routledge Study Skills*

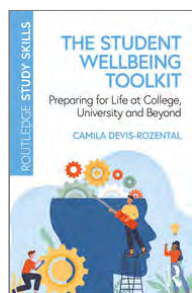
Carefully structured to make it accessible and easy to follow, this thought-provoking book encourages the reader to facilitate a dialogue across disciplines so that unconventional students are acknowledged and can discover a successful path towards admission and PhD completion. It is a must-read for 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 2024:280
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The Student Wellbeing Toolkit

Preparing for Life at College, University and Beyond



Camila Devis-Rozental

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 2023:286
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Academic Writing for University Students



Stephen Bailey

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.

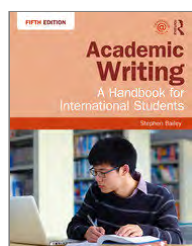
Routledge
December 2021:324
Hb: 978-0-367-44538-6: **£130**
Pb: 978-0-367-44539-3: **£21.99**
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5TH EDITION

Academic Writing

A Handbook for International Students



Stephen Bailey

Academic Writing is the must-have guide both for international students and those teaching them. Packed full of authentic examples, practice exercises and progress checks this book has been fully updated to reflect the academic writing needs of international students being taught in the English language. With brand new chapters, further material to challenge the high achieving student and a fully updated companion website, this book is suitable for use in the classroom or for self-study. With the concerns of the international student at its heart this practical book is an invaluable guide, essential for those wanting to maximise their academic potential.

Routledge
December 2017:344
Hb: 978-1-138-04873-7: **£115**
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eBook: 978-1-315-16999-6

* For full contents and more information, visit: www.routledge.com/9781138048744

3RD EDITION

Academic Writing for International Students of Business and Economics



Stephen Bailey

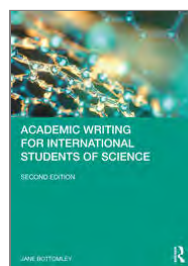
Now in its third edition, this key text helps international students succeed in writing essays and reports for their business and economics course. Thoroughly revised and updated, it is designed to be used by teachers in the classroom and students for self-study. New topics in this edition include writing 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 2020:346
Hb: 978-0-367-28030-7: **£130**
Pb: 978-0-367-28031-4: **£27.99**
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2ND EDITION

Academic Writing for International Students of Science



Jane Bottomley

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 2021:220
Hb: 978-0-367-63271-7: **£130**
Pb: 978-0-367-63272-4: **£27.99**
eBook: 978-1-003-11857-2

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2ND EDITION

The Essentials of Academic Writing for International Students



Stephen Bailey

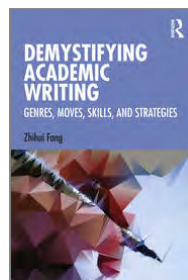
Written to help international students write essays and reports for their English-language university courses, this key title covers the essentials needed to achieve academic writing success. An easy-to-follow course that builds writing confidence and can be used both in the classroom and for self-study, 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 2024:252
Hb: 978-1-032-72173-6: **£130**
Pb: 978-1-032-72170-5: **£19.99**

* 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.

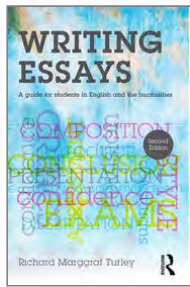
Routledge
April 2021:286
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2ND EDITION

Writing Essays

A guide for students in English and the humanities



Richard Marggraf Turley

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.

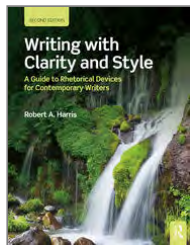
Routledge
November 2015:158
Hb: 978-1-138-91668-5: **£130**
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eBook: 978-1-315-68944-9

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

2ND EDITION

Writing with Clarity and Style

A Guide to Rhetorical Devices for Contemporary Writers



Robert A. 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.

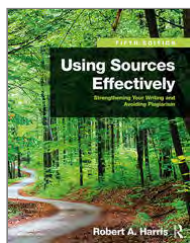
Routledge
December 2017:232
Hb: 978-1-138-56010-9: **£130**
Pb: 978-1-138-56009-3: **£35.99**
eBook: 978-0-203-71204-7

* 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 2017:210
Hb: 978-1-138-28966-6: **£160**
Pb: 978-1-138-28968-0: **£52.99**
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* 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 2017:190
Hb: 978-1-138-72676-5: **£130**
Pb: 978-1-138-72677-2: **£27.99**
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

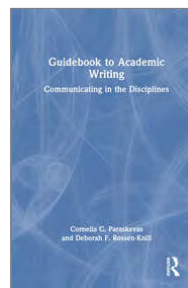
This book presents a lively, rich, and concise introduction to the key concepts and tools for developing clarity and coherence in academic writing. Well-known authors and linguists David Nunan and Julie Choi provide examples of the linguistic procedures that writers can draw on to enhance clarity and 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 2023:224
Hb: 978-1-032-01559-0: **£120**
Pb: 978-1-032-01382-4: **£26.99**
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* For full contents and more information, visit: www.routledge.com/9781032013824

Guidebook to Academic Writing

Communicating in the Disciplines



Cornelia C. Paraskevas, Deborah F. Rossen-Knill

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 2024:216
Hb: 978-1-032-48472-3: **£130**
Pb: 978-1-032-48470-9: **£34.99**

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

How to Write Qualitative Research



Marcus B. Weaver-Hightower

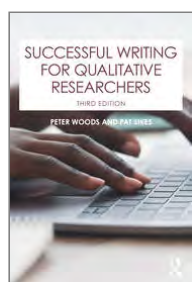
Qualitative research has exploded in popularity in nearly every discipline from the social sciences to health fields to business. While many qualitative textbooks explain how to conduct an interview or analyze fieldnotes, rarely do they give more than a few scant pages to the skill many find most difficult: 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 2018:282
Hb: 978-1-138-06630-4: £130
Pb: 978-1-138-06631-1: £39.99
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.

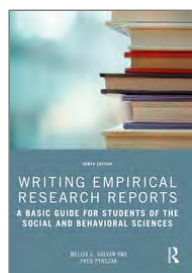
Routledge
March 2022:190
Hb: 978-0-367-69822-5: £130
Pb: 978-0-367-69823-2: £27.99
eBook: 978-1-003-14340-6

* 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, Fred Pyszczak

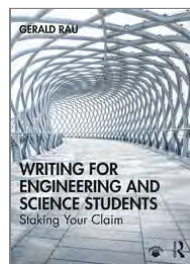
Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioral Sciences, Ninth Edition, offers clear and practical guidance on how to write research proposals, reports, theses, and dissertations. Accompanied by online resources for students and instructors, this book is ideal 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 2023:196
Hb: 978-1-032-13678-3: £130
Pb: 978-1-032-13680-6: £54.99
eBook: 978-1-003-23041-0

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

Writing for Engineering and Science Students

Staking Your Claim



Gerald Rau

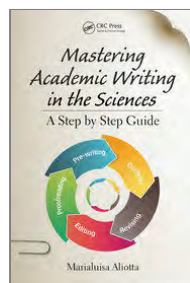
Drawing on his extensive experience of teaching international students, Gerald A. Rau provides a clear "argument structure" for students to follow when undertaking both academic and technical writing. This is the first book to make clear the different structures required for engineering versus scientific 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 2019:324
Hb: 978-1-138-38824-6: £130
Pb: 978-1-138-38825-3: £35.99
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

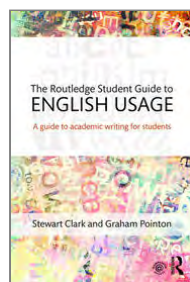
This book provides a comprehensive and coherent step-by-step guide to writing in scientific academic disciplines. It is an invaluable resource for those working on a PhD thesis, research paper, dissertation, or report. Writing these documents can be a long and arduous experience for students and their 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 2018:200
Hb: 978-1-138-74288-8: £115
Pb: 978-1-498-70147-1: £46.99
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, Graham Pointon

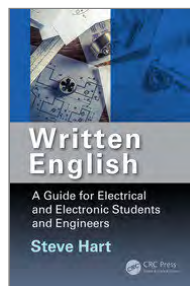
The *Routledge Student Guide to English Usage* is an authoritative A-Z guide to key aspects of English usage. Covering approximately 4000 carefully selected words, the authors focus on groups of confusable words that sound alike, look alike or are frequently mixed up. Examples of good usage are drawn 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 2016:402
Hb: 978-1-138-93358-3: £130
Pb: 978-1-138-93359-0: £36.99
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

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.

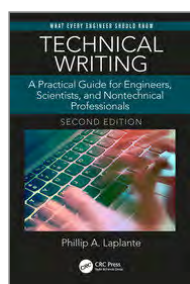
CRC Press
December 2015:216
Hb: 978-1-138-42241-4: **£175**
Pb: 978-1-498-73962-7: **£36.99**
eBook: 978-1-315-21412-2

* 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



Phillip A. Laplante

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.

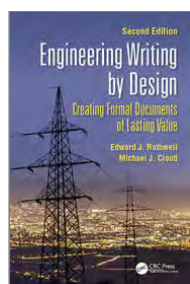
CRC Press
August 2018:300
Hb: 978-1-138-60696-8: **£140**
Pb: 978-1-138-62810-6: **£44.99**
eBook: 978-0-429-46739-4

* For full contents and more information, visit: www.routledge.com/9781138628106

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 2020:257
Hb: 978-0-367-89682-9: **£99.99**
Pb: 978-0-367-34754-3: **£48.99**
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, Margaret J. Robertson

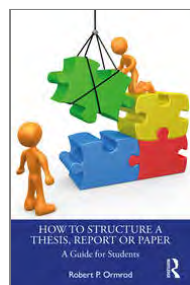
This book shows thesis writers how to embrace the individual nature of writing, bringing their own unique identities and skillsets to their thesis. Each idea is presented as one that has multiple solutions depending on who the readers are and what they want to achieve. The book guides the reader on identifying 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 2023:136
Hb: 978-1-032-34700-4: **£130**
Pb: 978-1-032-34699-1: **£24.99**
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



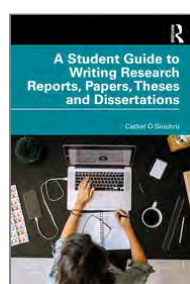
Robert P. Ormrod

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 2022:130
Hb: 978-1-032-36948-8: **£120**
Pb: 978-1-032-36946-4: **£16.99**
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.

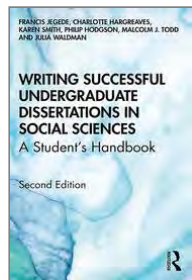
Routledge
November 2022:234
Hb: 978-0-367-62103-2: **£120**
Pb: 978-0-367-62104-9: **£19.99**
eBook: 978-1-003-10796-5

* 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 Todd, 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 2020:240
Hb: 978-0-367-25523-7: £130
Pb: 978-0-367-25525-1: £22.99
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

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 2022:200
Hb: 978-1-032-14966-0: £120
Pb: 978-1-032-14967-7: £32.99
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

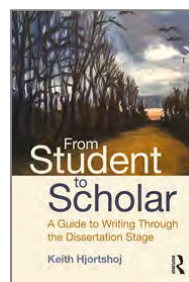
A Concise Guide to Writing a Thesis or Dissertation provides clear, concise, and intentional practice guidelines about organizing and writing a thesis or dissertation. Part I provides an overview for writing a thesis or dissertation. It describes the big picture of planning and formatting a research 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 2019:134
Hb: 978-0-367-17457-6: £115
Pb: 978-0-367-17458-3: £16.99
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

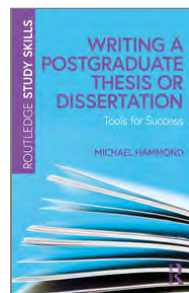
From Student to Scholar guides graduate students through the "hidden" developmental transition required in writing a dissertation and moving beyond, to become a successful scholar. Identifying common rhetorical challenges across disciplines, author Hjortshoj explains how to accommodate evolving audiences, 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 2018:204
Hb: 978-1-138-56942-3: £130
Pb: 978-1-138-56944-7: £44.99
eBook: 978-0-203-70426-4

* 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 2022:172
Hb: 978-0-367-75281-1: £130
Pb: 978-0-367-75282-8: £18.99
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

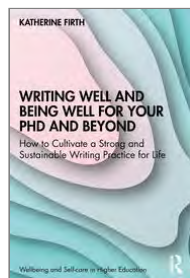
This fully updated edition is the guide for non-native speakers writing a thesis or dissertation in English. It explicitly unpacks academic writing, using accessible language and practical examples and discusses the issues that are crucial to success. These include: understanding the setting and purpose, 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 2019:248
Hb: 978-1-138-04869-0: £120
Pb: 978-1-138-04870-6: £28.99
eBook: 978-1-315-17002-2

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

Writing Well and Being Well for Your PhD and Beyond

How to Cultivate a Strong and Sustainable Writing Practice for Life



Katherine Firth

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 2023:200

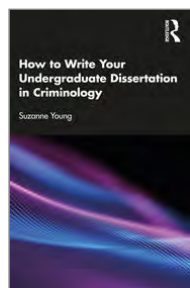
Hb: 978-1-032-31082-4: £130

Pb: 978-1-032-31081-7: £21.99

eBook: 978-1-003-30794-5

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

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 2022:146

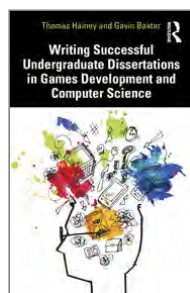
Hb: 978-0-367-85998-5: £130

Pb: 978-0-367-85999-2: £21.99

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 Hailey, 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 2022:304

Hb: 978-0-367-51707-6: £120

Pb: 978-0-367-51708-3: £19.99

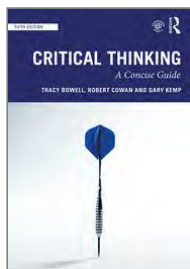
eBook: 978-1-003-05488-7

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

5TH EDITION

Critical Thinking

A Concise Guide

**Tracy Bowell, Robert Cowan, Gary Kemp**

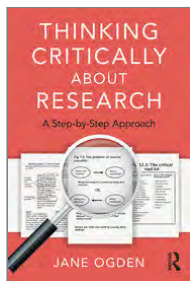
We are frequently confronted with arguments. Critical Thinking equips students with the concepts and techniques used in the analysis and assessment of arguments whatever the context. Through precise and accessible discussion, this book provides the tools to become a successful critical thinker, who can 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 2019:348
Hb: 978-0-815-37142-7: £130
Pb: 978-0-815-37143-4: £34.99
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.

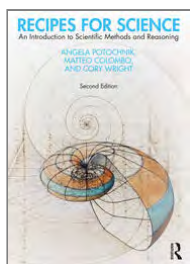
Routledge
December 2018:176
Hb: 978-0-367-00019-6: £130
Pb: 978-0-367-00020-2: £35.99
eBook: 978-0-429-44496-8

* For full contents and more information, visit: www.routledge.com/9780367000202

2ND EDITION

Recipes for Science

An Introduction to Scientific Methods and Reasoning

**Angela Potochnik, Matteo Colombo, 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
March 2024:370
Hb: 978-1-032-29097-3: £170
Pb: 978-1-032-29096-6: £39.99

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

2ND EDITION

Scientific Method

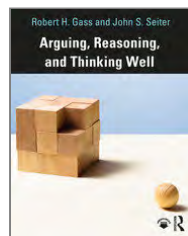
How Science Works, Fails to Work, and Pretends to Work

**John Staddon**

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 2024:224
Hb: 978-1-032-68389-8: £130
Pb: 978-1-032-65771-4: £29.99

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

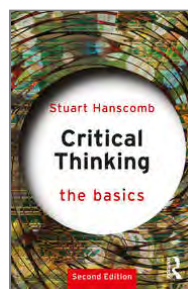
Arguing, Reasoning, and Thinking Well**Robert Gass, John Seiter**

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 2019:280
Hb: 978-0-815-37432-9: £150
Pb: 978-0-815-37433-6: £74.99
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***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 improve their thinking skills.

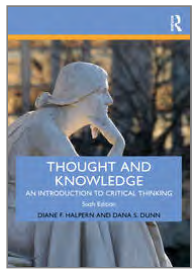
Routledge
June 2023:286
Hb: 978-1-032-16301-7: £130
Pb: 978-1-032-16299-7: £18.99
eBook: 978-1-003-24794-4

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

6TH EDITION

Thought and Knowledge

An Introduction to Critical Thinking



Diane F. Halpern, Dana S. Dunn

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.

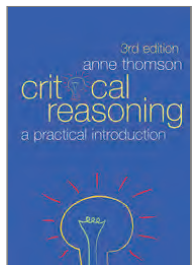
Routledge
October 2022:428
Hb: 978-1-138-65516-4: £190
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3RD EDITION

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.

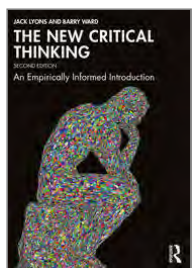
Routledge
September 2008:256
Hb: 978-0-415-44586-3: £130
Pb: 978-0-415-44587-0: £35.99
eBook: 978-0-203-87099-0

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

2ND EDITION

The New Critical Thinking

An Empirically Informed Introduction



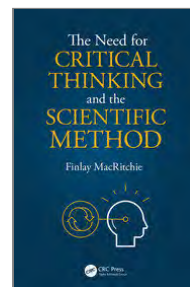
Jack Lyons, Barry Ward

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 2024:448
Hb: 978-1-032-31730-4: £130
Pb: 978-1-032-31728-1: £64.99

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

The Need for Critical Thinking and the Scientific Method



Finlay MacRitchie

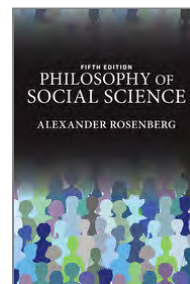
The book exposes many of the misunderstandings about the scientific method and its application to critical thinking. It argues for a better understanding of the scientific method and for nurturing critical thinking in the community. This knowledge helps the reader to analyze issues more objectively, 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 2018:152
Hb: 978-0-815-36815-1: £140
Pb: 978-0-815-36775-8: £42.99
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.

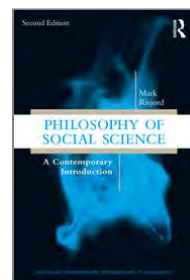
Routledge
July 2015:360
Hb: 978-0-367-09807-0: £130
Pb: 978-0-813-34973-2: £42.99
eBook: 978-0-429-49484-0

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

2ND EDITION

Philosophy of Social Science

A Contemporary Introduction



Mark Risjord

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 2022:336
Hb: 978-1-032-07587-7: £175
Pb: 978-1-032-07586-0: £38.99
eBook: 978-1-003-20779-5

* For full contents and more information, visit: www.routledge.com/9781032075860

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 2019:308

Hb: 978-1-138-33148-8: **£130**

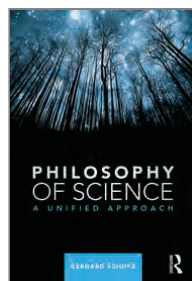
Pb: 978-1-138-33151-8: **£42.99**

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

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 2013:480

Hb: 978-0-415-82934-2: **£130**

Pb: 978-0-415-82936-6: **£46.99**

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, Joshua R. Hammonds, Maridath A. Wilson

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.

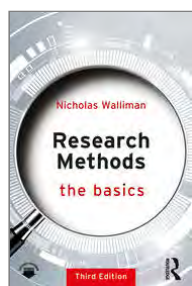
Routledge
May 2019:208
Hb: 978-0-367-20791-5: **£115**
Pb: 978-0-367-20793-9: **£16.99**
eBook: 978-0-429-26355-2

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

3RD EDITION

Research Methods

The Basics



Nicholas Walliman

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 2021:280
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Pb: 978-0-367-69408-1: **£18.99**
eBook: 978-1-003-14169-3

* For full contents and more information, visit: www.routledge.com/9780367694081

2ND EDITION

Research Methods

The Key Concepts



Michael Hammond, Jerry Wellington

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 2020:232
Hb: 978-0-367-17873-4: **£94.99**
Pb: 978-0-367-17874-1: **£19.99**
eBook: 978-0-429-05816-5

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

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 2019:424
Hb: 978-1-138-48679-9: **£115**
Pb: 978-1-138-48680-5: **£24.99**
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
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Hb: 978-0-367-55117-9: **£215**
Pb: 978-0-367-55118-6: **£84.99**
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

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 2016:300
Hb: 978-1-138-91760-6: **£130**
Pb: 978-1-138-91761-3: **£46.99**
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 2023:72
Hb: 978-1-032-39230-1: £120
Pb: 978-1-032-39232-5: £14.99
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.

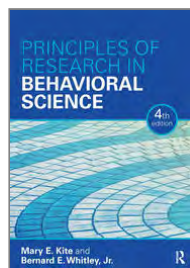
Routledge
December 2019:176
Hb: 978-0-367-25036-2: £115
Pb: 978-0-367-25037-9: £24.99
eBook: 978-0-429-28566-0

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

4TH EDITION

Principles of Research in Behavioral Science

Fourth Edition



Bernard E. Whitley, Jr., Mary E. Kite

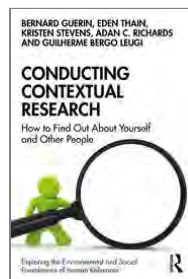
This book provides a comprehensive overview of research methods in the behavioral sciences, focusing primarily on the conceptual issues inherent in conducting research. It covers topics that are often omitted from other texts, including measurement issues, correlational research, qualitative research, and integrative literature reviews. The book also includes discussions of diversity issues as they related to behavioral science research. New to this edition are chapter boxes that focus on applied issues related to each chapter topic. Throughout the book, readable examples and informative tables and figures are provided.

Routledge
June 2018:852
Hb: 978-1-138-68787-5: £110
eBook: 978-1-315-45008-7

* For full contents and more information, visit: www.routledge.com/9781138687875

Conducting Contextual Research

How to Find Out About Yourself and Other People



Bernard Guerin, Eden Thain, Kristen Stevens, Adan C. Richards, Guilherme Bergo 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 2024:184
Hb: 978-1-032-60825-9: £130
Pb: 978-1-032-60818-1: £42.99

* 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 2018:410
Hb: 978-0-815-36616-4: £210
Pb: 978-0-815-36615-7: £84.99
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

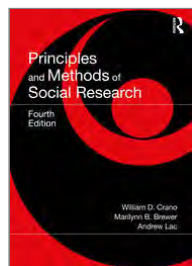
This book sharpens students' understanding of the research process and the essential methods that researchers use to perform their work on the cutting edge of the social sciences. The new edition features updated examples across the chapters, reflecting new directions within the social sciences and both 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 2023:342
Hb: 978-1-032-21005-6: £120
Pb: 978-1-032-20920-3: £34.99
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, Marilynn B. Brewer, Andrew Lac

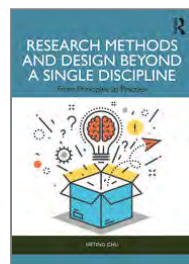
Through a multi-methodology approach, *Principles and Methods of Social Research*, Fourth Edition covers the latest research techniques and designs and guides readers toward the design and conduct of social research from the ground up. Applauded for its comprehensive coverage, the breadth and depth of 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 2023:486
Hb: 978-1-032-22241-7: **£130**
Pb: 978-1-032-22240-0: **£82.99**
eBook: 978-1-003-27173-4

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

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 2024:360
Hb: 978-0-367-89883-0: **£130**
Pb: 978-0-367-89885-4: **£54.99**

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

The Illustrated Guide to Social Science Research



Divya Sharma

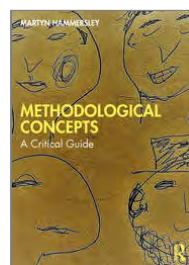
This accessible and engaging textbook helps students to get to grips with key concepts, issues, and practices in social science research through the use of fun and informative illustrations and examples.

Routledge
June 2024:248
Hb: 978-1-032-32379-4: **£130**
Pb: 978-1-032-32377-0: **£34.99**

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

Methodological Concepts

A Critical Guide



Martyn Hammersley

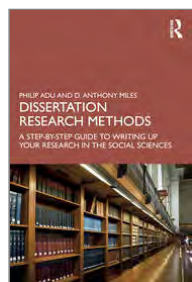
Methodological Concepts: A Critical Guide clarifies many key terms and issues in social research methodology. It outlines the conventional meanings of these terms, but also addresses their contentious character. The aim is to offer interpretations of them that provide a coherent conception of the nature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

Routledge
February 2023:186
Hb: 978-1-032-39573-9: **£120**
Pb: 978-1-032-39574-6: **£32.99**
eBook: 978-1-003-35035-4

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

Dissertation Research Methods

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



Philip Adu, 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.

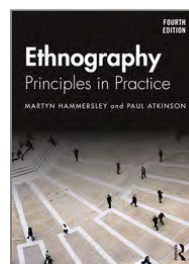
Routledge
September 2023:470
Hb: 978-1-032-21383-5: **£130**
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eBook: 978-1-003-26815-4

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

4TH EDITION

Ethnography

Principles in Practice



Martyn Hammersley, Paul Atkinson

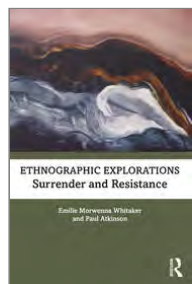
This edition has been expertly updated to reflect the important developments in digital and mobile technologies and social media. The ease with which recordings, audio or video, as well as photographs, can be produced via the use of mobile devices has opened up new tools and foci for ethnographers.

Routledge
April 2019:292
Hb: 978-1-138-50445-5: **£145**
Pb: 978-1-138-50446-2: **£38.99**
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, 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 2023:184
Hb: 978-0-367-17440-8: **£120**
Pb: 978-0-367-17441-5: **£34.99**
eBook: 978-0-429-05680-2

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

2ND EDITION

The Researcher's Toolkit

The Complete Guide to Practitioner Research



David Wilkinson, 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 2023:178
Hb: 978-1-032-01809-6: **£120**
Pb: 978-1-032-01810-2: **£24.99**
eBook: 978-1-003-18015-9

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

2ND EDITION

Engaging in Narrative Inquiry



D. Jean Clandinin

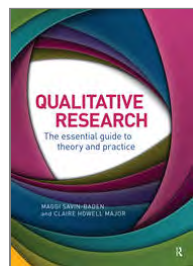
In *Engaging in Narrative Inquiry*, Second Edition, D. Jean Clandinin, a pioneer in narrative research, updates her classic formulation on narrative inquiry, clarifying, extending, and refining methods. The increasing interest in narrative inquiry as research methodology across disciplines makes this 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 2022:176
Hb: 978-1-032-14609-6: **£130**
Pb: 978-1-032-14610-2: **£38.99**
eBook: 978-1-003-24014-3

* For full contents and more information, visit: www.routledge.com/9781032146102

Qualitative Research

The Essential Guide to Theory and Practice



Maggi Savin-Baden, Claire Major

This book provides beginning researchers with an overview of qualitative research and practical advice and guidance about how to conduct a qualitative study. The book's focus enables researchers to choose the most appropriate methodology by providing them with underpinning theory in a practical way alongside specific examples and proven tips. Beginning by exploring the key differences between qualitative and quantitative research the authors clearly explain the specific features of qualitative research and importantly clarify what qualitative research isn't.

Routledge
December 2022:608
Pb: 978-1-032-45637-9: **£38.99**
eBook: 978-1-003-37798-6

* For full contents and more information, visit: www.routledge.com/9781032456379

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 2023:314
Hb: 978-1-032-38168-8: **£130**
Pb: 978-1-032-38170-1: **£38.99**
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 2023:328
Hb: 978-1-629-58326-6: **£120**
Pb: 978-1-629-58327-3: **£29.99**
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, Lisa A. Mazzei

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 2022:170
Hb: 978-1-138-95213-3: **£130**
Pb: 978-1-138-95214-0: **£38.99**
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

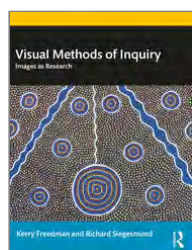
This book shows how to conduct qualitative research projects using social media data. It takes the reader through the stages of choosing data, formulating a research question, and choosing and applying method(s).

Routledge
March 2022:214
Hb: 978-0-367-33350-8: **£130**
Pb: 978-0-367-33347-8: **£39.99**
eBook: 978-0-429-31933-4

* For full contents and more information, visit: www.routledge.com/9780367333478

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 2023:238
Hb: 978-0-367-25049-2: **£130**
Pb: 978-0-367-25048-5: **£34.99**
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

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 2023:498
Hb: 978-1-032-19841-5: **£130**
Pb: 978-1-032-19840-8: **£34.99**
eBook: 978-1-003-26111-7

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

Research Methodologies for Business Management



Vanessa Ratten

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 2023:158
Hb: 978-1-032-32338-1: **£120**
Pb: 978-1-032-32337-4: **£39.99**
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, Charles Dennis**

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 2023:456
Hb: 978-0-367-62064-6: **£140**
Pb: 978-0-367-62065-3: **£39.99**
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 2023:482

Hb: 978-1-032-46296-7: **£170**

Pb: 978-1-032-46295-0: **£49.99**

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 Pasian, 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 2024:368

Hb: 978-1-032-74496-4: **£130**

Pb: 978-1-032-12387-5: **£35.99**

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

3RD EDITION

Planning Research in Hospitality and Tourism



Levent Altinay, Alexandros Paraskevas, 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 2024:272

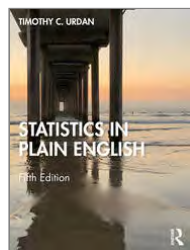
Hb: 978-1-032-52257-9: **£130**

Pb: 978-1-032-52258-6: **£44.99**

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

5TH EDITION

Statistics in Plain English



Timothy C. Urdan

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.

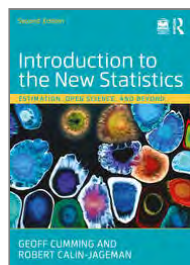
Routledge
March 2022:322
Hb: 978-0-367-34282-1: **£170**
Pb: 978-0-367-34283-8: **£32.99**

* 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

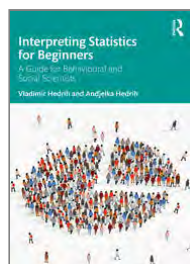
This fully revised and updated second edition is an essential introduction to inferential statistics. It is the first introductory statistics text to use an estimation approach with meta-analysis ("the new statistics") from the start and also to explain the new and exciting Open Science practices, which 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 2024:610
Hb: 978-0-367-53149-2: **£190**
Pb: 978-0-367-53150-8: **£62.99**

* 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.

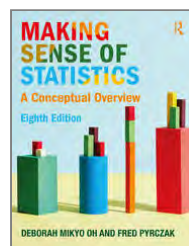
Routledge
February 2022:204
Hb: 978-0-367-62051-6: **£130**
Pb: 978-0-367-61852-0: **£34.99**
eBook: 978-1-003-10771-2

* 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 2023:284
Hb: 978-1-032-28962-5: **£120**
Pb: 978-1-032-28964-9: **£46.99**
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 2020:364
Hb: 978-0-367-20351-1: **£170**
Pb: 978-0-367-20352-8: **£52.99**
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, Zealure C. Holcomb

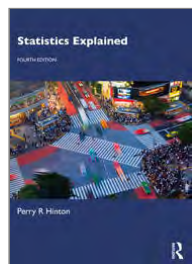
Interpreting Basic Statistics gives students valuable practice in interpreting statistical reporting as it actually appears in peer-reviewed journals. The questions in each exercise are divided into two parts: (1) Factual Questions and (2) Questions for Discussion. The factual questions require careful 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 2021:258
Hb: 978-0-367-56051-5: **£175**
Pb: 978-0-367-56197-0: **£56.99**
eBook: 978-1-003-09676-4

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

4TH EDITION

Statistics Explained



Perry R. Hinton

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

June 2024:368

Hb: 978-0-367-36638-4: £130

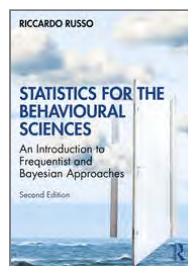
Pb: 978-0-367-36635-3: £36.99

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

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 2020:330

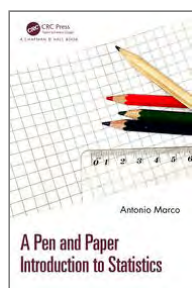
Hb: 978-1-138-71148-8: £130

Pb: 978-1-138-71150-1: £34.99

eBook: 978-1-315-20041-5

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

A Pen and Paper Introduction to Statistics



Antonio Marco

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 2023:160

Hb: 978-1-032-50511-4: £89.99

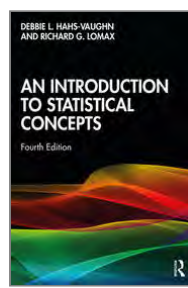
Pb: 978-1-032-50510-7: £31.99

eBook: 978-1-003-39882-0

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

4TH EDITION

An Introduction to Statistical Concepts



Debbie L. Hahs-Vaughn, Richard Lomax

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 2020:1186

Hb: 978-1-138-65055-8: £110

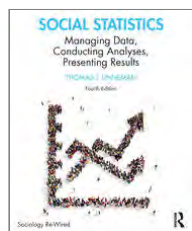
eBook: 978-1-315-62435-8

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

4TH EDITION

Social Statistics

Managing Data, Conducting Analyses, Presenting Results



Thomas J. Linneman

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 2021:678

Hb: 978-1-032-11623-5: £175

Pb: 978-1-032-11528-3: £94.99

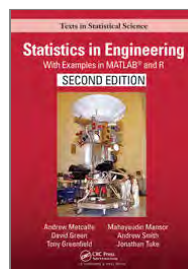
eBook: 978-1-003-22077-0

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

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 2020:810

Hb: 978-1-439-89547-4: £84.99

Pb: 978-0-367-57062-0: £44.99

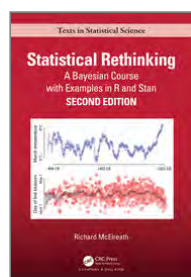
eBook: 978-1-315-11723-2

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

2ND EDITION

Statistical Rethinking

A Bayesian Course with Examples in R and STAN

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

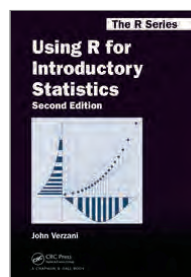
The very popular Statistical Rethinking: A Bayesian Course with Examples in R and Stan, Second Edition builds readers' knowledge of and confidence in statistical modeling. Reflecting the need for even minor programming in today's model-based statistics, the book pushes readers to perform step-by-step 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 2020:612
Hb: 978-0-367-13991-9: **£74.99**
eBook: 978-0-429-02960-8

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

2ND EDITION

Using R for Introductory Statistics

**John Verzani***Series: Chapman & Hall/CRC The R Series*

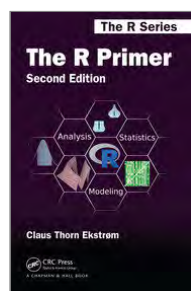
The second edition of a bestselling textbook, Using R for Introductory Statistics guides students through the basics of R, helping them overcome the sometimes steep learning curve. The author does this by breaking the material down into small, task-oriented steps. The second edition maintains the features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

Chapman & Hall
June 2014:518
Hb: 978-1-466-59073-1: **£59.99**
eBook: 978-1-315-37308-9

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

2ND EDITION

R Primer

**Claus Thorn Ekström***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.

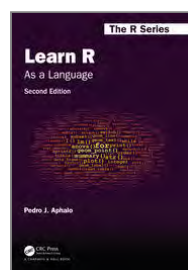
Chapman & Hall
March 2017:426
Hb: 978-1-498-77255-6: **£105**
Pb: 978-1-138-63197-7: **£51.99**
eBook: 978-1-315-15441-1

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

2ND EDITION

Learn R

As a Language

**Pedro J. Aphalo***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.

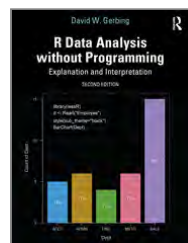
Chapman & Hall
April 2024:462
Hb: 978-1-032-51843-5: **£150**
Pb: 978-1-032-51699-8: **£59.99**

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

2ND EDITION

R Data Analysis without Programming

Explanation and Interpretation

**David W. Gerbing**

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 2023:378
Hb: 978-1-032-24402-0: **£120**
Pb: 978-1-032-24403-7: **£48.99**
eBook: 978-1-003-27841-2

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

3RD EDITION

SPSS Explained

**Perry R. Hinton, Isabella McMurray, 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.

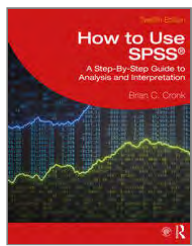
Routledge
September 2023:386
Hb: 978-0-367-36698-8: **£130**
Pb: 978-0-367-36699-5: **£48.99**
eBook: 978-0-429-35086-3

* 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 2024:252

Hb: 978-1-032-58519-2: **£130**Pb: 978-1-032-58235-1: **£58.99**

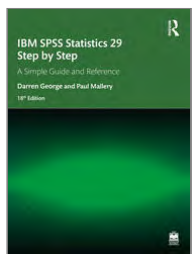
eBook: 978-1-003-45046-7

* 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

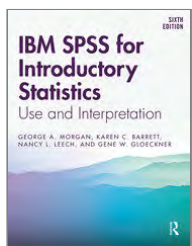
March 2024:440

Hb: 978-1-032-62212-5: **£200**Pb: 978-1-032-62193-7: **£66.99*** 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, Karen C. Barrett, Nancy L. Leech, Gene W. Gloeckner**

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

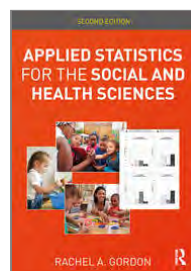
July 2019:266

Hb: 978-1-138-57822-7: **£150**Pb: 978-1-138-57821-0: **£39.99**

eBook: 978-0-429-28765-7

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

2ND EDITION

Applied Statistics for the Social and Health Sciences**Rachel A. Gordon**

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 2023:800

Hb: 978-1-032-32343-5: **£130**Pb: 978-1-032-32344-2: **£39.99**

eBook: 978-1-003-31453-0

* For full contents and more information, visit: www.routledge.com/9781032323442**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 2021:704

Hb: 978-0-367-62429-3: **£230**Pb: 978-0-367-62427-9: **£82.99**

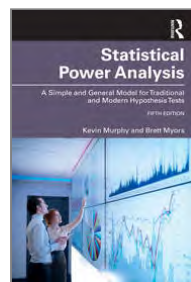
eBook: 978-1-003-10939-6

* 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, Kevin R. Murphy**

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 2023:224

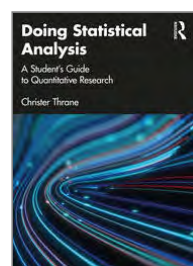
Hb: 978-1-032-28301-2: **£120**Pb: 978-1-032-28300-5: **£49.99**

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 2022:266
Hb: 978-1-032-18030-4: £130
Pb: 978-1-032-17132-6: £48.99
eBook: 978-1-003-25255-9

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

3RD EDITION

Multilevel and Longitudinal Modeling with IBM SPSS



Ronald H. Heck, Scott L. Thomas, Lynn N. Tabata

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.

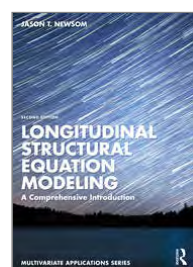
Routledge
April 2022:494
Hb: 978-0-367-42460-2: £160
Pb: 978-0-367-42461-9: £46.99
eBook: 978-0-367-82427-3

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

2ND EDITION

Longitudinal Structural Equation Modeling

A Comprehensive Introduction



Jason T. Newsom

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 2023:522
Hb: 978-1-032-20283-9: £130
Pb: 978-1-032-20286-0: £68.99
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, Rachel A. Vannatta, Kristina N. LaVenja

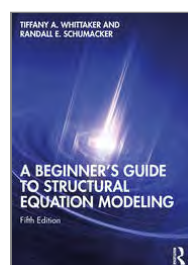
Ideal for non-math majors, Advanced and Multivariate Statistical Methods teaches students to interpret, present, and write up results for each statistical technique without overemphasizing advanced math. This highly applied approach covers the why, what, when and how of advanced and multivariate statistics 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 2021:350
Hb: 978-0-367-49720-0: £325
Pb: 978-0-367-49747-7: £130
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.

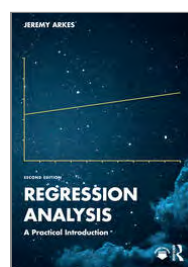
Routledge
May 2022:418
Hb: 978-0-367-49015-7: £130
Pb: 978-0-367-47796-7: £66.99
eBook: 978-1-003-04401-7

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

2ND EDITION

Regression Analysis

A Practical Introduction



Jeremy Arkes

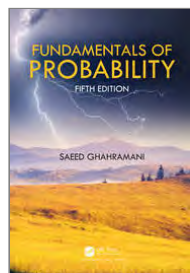
Regression Analysis covers the concepts needed to design optimal regression models and to properly interpret regressions. It details the most common pitfalls, including three sources of bias not covered in other textbooks. This second edition features a new chapter on integrity and ethics, and has been 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 2023:412
Hb: 978-1-032-25784-6: £120
Pb: 978-1-032-25783-9: £39.99
eBook: 978-1-003-28500-7

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

5TH EDITION

Fundamentals of Probability



Saeed Ghahramani

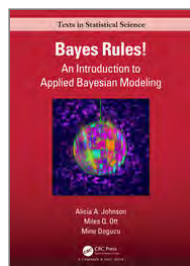
This one- or two-term calculus-based basic probability text is written for majors in mathematics, physical sciences, engineering, statistics, actuarial science, business and finance, operations research, and computer science. It presents probability in a natural way: through interesting and instructive 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 2024:704
Hb: 978-1-032-36608-1: £110

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

Bayes Rules!

An Introduction to Applied Bayesian Modeling



Alicia A. Johnson, Miles Q. Ott, Mine Dogucu

Series: Chapman & Hall/CRC Texts in Statistical Science

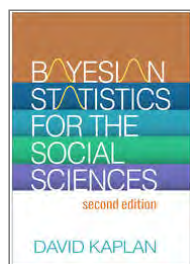
An engaging, sophisticated, and fun introduction to the field of Bayesian Statistics, Bayes Rules! An Introduction to Bayesian Modeling with R brings the power of modern Bayesian thinking, modeling, and computing to a broad audience. In particular, it is an ideal resource for advanced undergraduate Statistics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

Chapman & Hall
March 2022:544
Hb: 978-1-032-19159-1: £170
Pb: 978-0-367-25539-8: £59.99
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

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 2023:250
Hb: 978-1-462-55354-9: £57.99

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

The Effect

An Introduction to Research Design and Causality



Nick Huntington-Klein

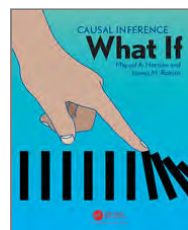
The Effect: An Introduction to Research Design and Causality is about research design, specifically concerning research that uses observational data to make a causal inference. It is separated into two halves, each with different approaches to that subject. The first half goes through the concepts of causality, with very little in the way of estimation. 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. Subjects include heavy emphasis on data-generating processes and causal diagrams.

Chapman & Hall
January 2022:646
Hb: 978-1-032-12745-3: £82.99
Pb: 978-1-032-12578-7: £29.99
eBook: 978-1-003-22605-5

* For full contents and more information, visit: www.routledge.com/9781032125787

Causal Inference

What If



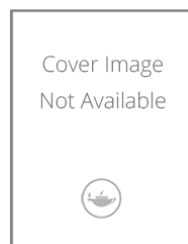
Miguel A. Hernan, James M. Robins

The application of causal inference methods is growing exponentially in fields that deal with observational data. Written by pioneers in the field, this practical book presents an authoritative yet accessible overview of the methods and applications of causal inference. With a wide range of detailed, worked examples using real epidemiologic data as well as software for replicating the analyses, the text provides a thorough introduction to the basics of the theory for non-time-varying treatments and the generalization to complex longitudinal data.

CRC Press
April 2024:312
Hb: 978-1-420-07616-5: £36.99

* For full contents and more information, visit: www.routledge.com/9781420076165

A First Course in Causal Inference



Peng Ding

Series: Chapman & Hall/CRC Texts in Statistical Science

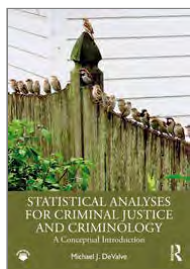
This textbook, based on the author's course on causal inference at UC Berkeley taught over the past seven years, only requires basic knowledge of probability theory, statistical inference, and linear and logistic regressions. It assumes minimal knowledge of causal inference, and reviews basic probability 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
June 2024:448
Hb: 978-1-032-75862-6: £59.99

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

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

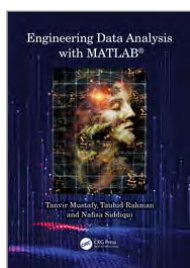
June 2024:272

Hb: 978-1-032-63858-4: **£130**

Pb: 978-1-032-63854-6: **£34.99**

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

Engineering Data Analysis with MATLAB®



Tanvir Mustafy, Tauhid Rahman, Nafisa Siddiqui

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

June 2024:850

Hb: 978-1-032-50658-6: **£140**

Pb: 978-1-032-50771-2: **£69.99**

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

Data Science

A First Introduction



Tiffany Timbers, 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 2022:456
Hb: 978-0-367-53217-8: **£120**
Pb: 978-0-367-52468-5: **£48.99**
eBook: 978-1-003-08097-8

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

A Tour of Data Science

Learn R and Python in Parallel



Nailong Zhang

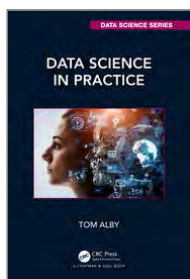
Series: Chapman & Hall/CRC Data Science Series

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

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

Data Science in Practice



Tom Alby

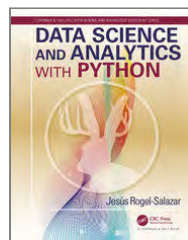
Series: Chapman & Hall/CRC Data Science Series

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 2023:318
Hb: 978-1-032-50524-4: **£140**
Pb: 978-1-032-50526-8: **£54.99**
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

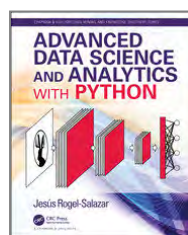
Series: Chapman & Hall/CRC Data Mining and Knowledge Discovery Series

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 2017:412
Hb: 978-1-138-04317-6: **£115**
Pb: 978-1-498-74209-2: **£52.99**
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

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 2020:424
Hb: 978-0-429-44661-0: **£110**
Pb: 978-1-138-31506-8: **£48.99**
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

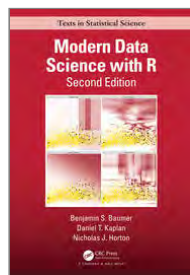
Foundations of Data Science with Python introduces readers to the fundamentals of data science, including data manipulation and visualization, probability, statistics, and dimensionality reduction. This book is targeted toward engineers and scientists, but it should be readily understandable to anyone 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 2024:496
Hb: 978-1-032-34674-8: **£175**
Pb: 978-1-032-35042-4: **£68.99**

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

2ND EDITION

Modern Data Science with R



Benjamin S. Baumer, Daniel T. Kaplan, Nicholas J. Horton

Series: Chapman & Hall/CRC Texts in Statistical Science

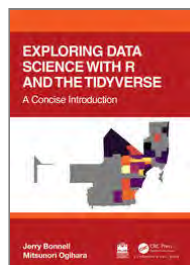
New data technologies and database systems facilitate scraping data and merging information from different sources and formats and restructuring data into a form suitable for analysis. State-of-the-art workflow and tools foster well-documented and reproducible analysis. Modern statistical methods allow 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 2021:650
Hb: 978-0-367-19149-8: **£82.99**
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



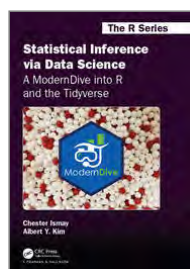
Jerry Bonnell, Mitsunori Ogihara

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 2023:492
Hb: 978-1-032-32950-5: **£190**
Pb: 978-1-032-34170-5: **£74.99**
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, Albert Y. Kim

Series: Chapman & Hall/CRC The R Series

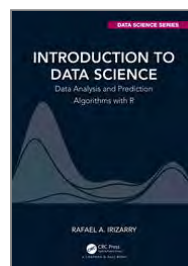
This is a modern textbook in statistical inference, using the principles of data science through R and the Tidyverse. It assumes minimal background knowledge of the reader: there is no algebra, no calculus, and no prior programming/coding experience. It is designed to be a gentle introduction to the 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 2019:460
Hb: 978-0-367-40987-6: **£170**
Pb: 978-0-367-40982-1: **£66.99**
eBook: 978-0-367-40991-3

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

Introduction to Data Science

Data Analysis and Prediction Algorithms with R



Rafael A. Irizarry

Series: Chapman & Hall/CRC Data Science Series

The book begins by going over the basics of R and the tidyverse. You learn R throughout the book, but in the first part we go over the building blocks needed to keep learning during the rest of the book.

Chapman & Hall
November 2019:743
Hb: 978-0-367-35798-6: **£82.99**
eBook: 978-0-429-34183-0

* For full contents and more information, visit: www.routledge.com/9780367357986

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 2023:622
Hb: 978-1-032-13477-2: **£74.99**
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 2023:402
Hb: 978-0-815-35447-5: **£140**
Pb: 978-0-815-35439-0: **£52.99**
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, Rayid Ghani, Ron S. Jarmin, Frauke Kreuter, Julia Lane**

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: 412

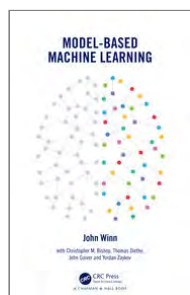
Hb: 978-0-367-34187-9: **£130**

Pb: 978-0-367-56859-7: **£52.99**

eBook: 978-0-429-32438-3

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

Model-Based Machine Learning



John Winn

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 2023:468
Hb: 978-1-498-75681-5: **£68.99**
eBook: 978-0-429-19268-5

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

Applied Machine Learning Using mlr3 in R



Edited by **Bernd Bischl, Raphael Sonabend, Lars Kottthoff, Michel Lang**

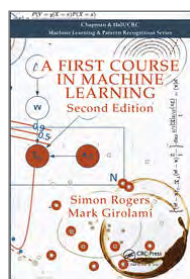
mlr3 is an award-winning ecosystem of R packages that have been developed to enable state-of-the-art machine learning capabilities in R. This book gives an overview of flexible and robust machine learning methods, with an emphasis on how to implement them using mlr3 in R. It covers many key topics, including 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 2024:356
Hb: 978-1-032-51567-0: **£150**
Pb: 978-1-032-50754-5: **£59.99**
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

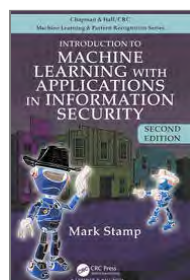
The new edition of this popular, undergraduate textbook has been revised and updated to reflect current growth areas in Machine Learning. The new edition includes three new chapters with more detailed discussion of Markov Chain Monte Carlo techniques, Classification and Regression with Gaussian Processes, 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 2020:428
Hb: 978-1-498-73848-4: **£64.99**
Pb: 978-0-367-57464-2: **£39.99**
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

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
September 2022:548
Hb: 978-1-032-20492-5: **£62.99**
eBook: 978-1-003-26487-3

* For full contents and more information, visit: www.routledge.com/9781032204925

Machine Learning Toolbox for Social Scientists

Applied Predictive Analytics with R



Yigit Aydede

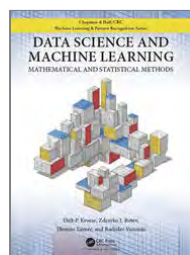
Machine Learning Toolbox for Social Scientists covers predictive methods with complementary statistical "tools" that make it mostly self-contained. The inferential statistics is the traditional framework for most data analytics courses in social science and business fields, especially in Economics and 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 2023:600
Hb: 978-1-032-46395-7: **£74.99**
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, Thomas Taimre

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

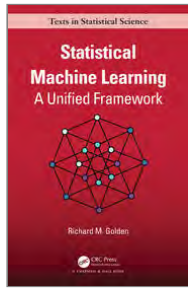
The purpose of this book is to provide an accessible, comprehensive textbook in data science and machine learning. The book will provide a solid basis in linear algebra, optimization, probability, and statistics. The main body will discuss the major topics in machine learning and data science: data manipulation, 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 2019:538
Hb: 978-1-138-49253-0: **£84.99**
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

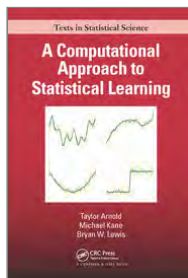
July 2020:524

Hb: 978-1-138-48469-6: **£99.99**

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 2020:374

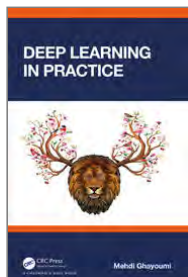
Hb: 978-1-138-04637-5: **£74.99**

Pb: 978-0-367-57061-3: **£44.99**

eBook: 978-1-315-17140-1

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

Deep Learning in Practice



Mehdi Ghayoumi

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

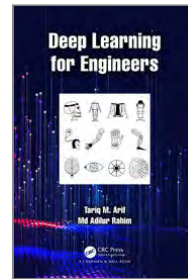
December 2021:218

Hb: 978-0-367-45862-1: **£77.99**

eBook: 978-1-003-02581-8

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

Deep Learning for Engineers



Tariq M. Arif, Md Adilur Rahim

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

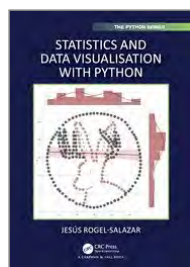
February 2024:170

Hb: 978-1-032-50473-5: **£82.99**

Pb: 978-1-032-51581-6: **£46.99**

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

Statistics and Data Visualisation with Python



Jesus Rogel-Salazar

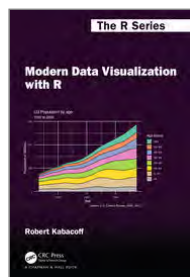
Series: Chapman & Hall/CRC The Python Series

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 2023:554
Hb: 978-0-367-74936-1: **£120**
Pb: 978-0-367-74451-9: **£44.99**
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

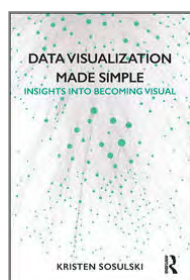
Describes ways that raw and summary data can be turned into visualizations that convey meaningful insights: basic graphs, bar charts, scatter plots, and line charts, and progresses to tree maps, alluvial plots, radar charts, mosaic plots, grouped dot plots, effects plots, multivariate presentations such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

Chapman & Hall
March 2024:256
Hb: 978-1-032-28949-6: **£150**
Pb: 978-1-032-28760-7: **£59.99**

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

Data Visualization Made Simple

Insights into Becoming Visual



Kristen Sosulski

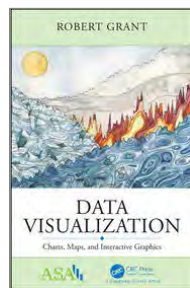
Data Visualization Made Simple is a practical guide to the fundamentals, strategies, and real-world cases for data visualization, an essential skill required in today's information-rich world. With foundations rooted in statistics, psychology, and computer science, data visualization offers practitioners 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 2018:284
Hb: 978-1-138-50387-8: **£140**
Pb: 978-1-138-50391-5: **£36.99**
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

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

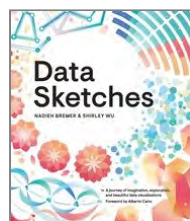
This is the age of data. There are more innovations and more opportunities for interesting work with data than ever before, but there is also an overwhelming amount of quantitative information being published every day. Data visualisation has become big business, because communication is the difference 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 2018:248
Hb: 978-1-138-55359-0: **£84.99**
Pb: 978-1-138-70760-3: **£22.99**
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

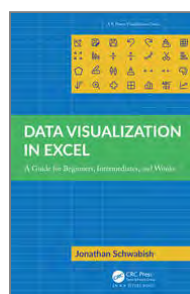
In Data Sketches, Nadieh Bremer and Shirley Wu document the creative and collaborative process behind 24 unique data visualization projects, spanning different topics, technologies, and forms. Features: Technical write-ups with beginner-friendly explanations of core concepts; Practical lessons on data 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 2021:428
Hb: 978-0-367-00012-7: **£105**
Pb: 978-0-367-00008-0: **£39.99**
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

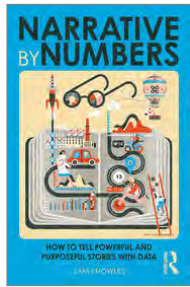
Data Visualization in Excel closes the gap between what people think Excel can do and what they can achieve in the tool. Over the past few years, recognition of the importance of effectively visualizing data has led to an explosion data analysis and visualization software tools. But for many people, 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 2023:400
Hb: 978-1-032-34328-0: **£74.99**
Pb: 978-1-032-34326-6: **£26.99**

* 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 2018:176

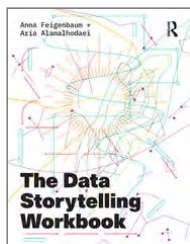
Hb: 978-0-815-35315-7: **£130**

Pb: 978-0-815-35314-0: **£35.99**

eBook: 978-1-351-13722-5

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

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 2020:256

Hb: 978-1-138-05210-9: **£130**

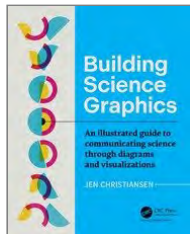
Pb: 978-1-138-05211-6: **£34.99**

eBook: 978-1-315-16801-2

* For full contents and more information, visit: www.routledge.com/9781138052116

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 2022:357

Hb: 978-1-032-10940-4: **£94.99**

Pb: 978-1-032-10674-8: **£38.99**

eBook: 978-1-003-21781-7

* For full contents and more information, visit: www.routledge.com/9781032106748

Presenting in English

A Practical Guide



Dick Smakman

This practical guide introduces students to the language and other skills needed to deliver a presentation in English. Concise and accessible, the guide will be particularly helpful to learners of English. Accompanied by online support material with recordings, the book is an essential guide to delivering a successful presentation in English.

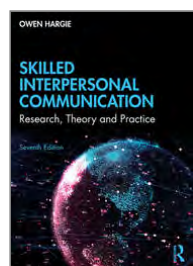
Routledge
June 2024: 248
Hb: 978-1-032-62787-8: £130
Pb: 978-1-032-62532-4: £35.99

* For full contents and more information, visit: www.routledge.com/9781032625324

7TH EDITION

Skilled Interpersonal Communication

Research, Theory and Practice



Owen Hargie

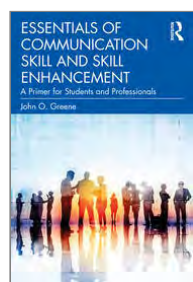
Established as the foremost textbook on communication, the seventh edition of Owen Hargie's Skilled Interpersonal Communication is thoroughly revised and updated with the latest research findings, theoretical developments and applications. Written by one of the foremost international experts in the field,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

Routledge
November 2021: 678
Hb: 978-1-032-02185-0: £130
Pb: 978-1-032-00878-3: £48.99
eBook: 978-1-003-18226-9

* For full contents and more information, visit: www.routledge.com/9781032008783

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.

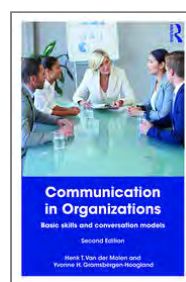
Routledge
March 2021: 174
Hb: 978-0-367-53838-5: £130
Pb: 978-0-367-53428-8: £35.99
eBook: 978-1-003-08345-0

* 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

This new edition continues to give clear advice and guidance on communicating in a range of different contexts in the workplace. From handling complaints and breaking bad news to negotiating deals and giving presentations, the book explores the building blocks to effective communication skills, nurturing the leadership qualities required in any organization. Illustrated with concrete examples throughout, the new edition includes a new chapter on career coaching, as well as exercises and ideas for role-play to enable the ideas to come alive. This will be an invaluable book for students of management and business psychology, as well as those taking courses who are already in the workplace.

Routledge
October 2018: 214
Hb: 978-1-138-55210-4: £130
Pb: 978-1-138-55212-8: £31.99
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, Felicia Chong

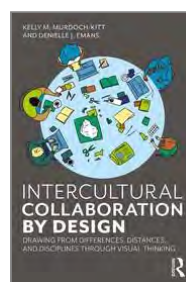
This lively and engaging text introduces readers to the core interpersonal and organizational skills needed to effectively collaborate on group projects in the classroom and the workplace. This guide can be used a supplementary text for any courses involving group projects, and will also be of interest to professionals in communication, business, and many other fields.

Routledge
February 2023: 142
Hb: 978-1-032-25907-9: £120
Pb: 978-1-032-25906-2: £34.99
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

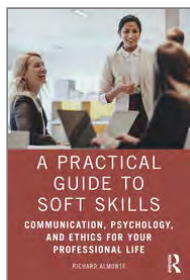
Intercultural Collaboration by Design introduces a framework for collaborating across cultures and learning to use multicultural perspectives to address pressing global issues. With over 30 hands-on activities, this book will be of great interest to diverse teams from a variety of disciplines who want 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: 308
Hb: 978-0-367-21932-1: £115
Pb: 978-0-367-21931-4: £31.99
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
December 2021:188
Hb: 978-1-032-08101-4: **£130**
Pb: 978-1-032-07105-3: **£38.99**
eBook: 978-1-003-21294-2

* For full contents and more information, visit: www.routledge.com/9781032071053

English for Business Communication



Mable Chan

Series: Routledge Applied English Language Introductions

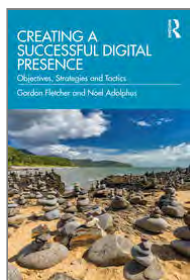
This textbook provides a comprehensive introduction for students and professionals who are studying English for business or workplace communication and covers both spoken and written English. Based on up-to-date research in business communication and incorporating an international range of real-world 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.

Routledge
January 2020:246
Hb: 978-1-138-48167-1: **£130**
Pb: 978-1-138-48168-8: **£34.99**
eBook: 978-1-351-06003-5

* For full contents and more information, visit: www.routledge.com/9781138481688

Creating a Successful Digital Presence

Objectives, Strategies and Tactics



Gordon Fletcher, 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 2021:212
Hb: 978-0-367-46034-1: **£130**
Pb: 978-0-367-46037-2: **£36.99**
eBook: 978-1-003-02658-7

* For full contents and more information, visit: www.routledge.com/9780367460372

21ST EDITION

Principles of Public Speaking



Dakota Horn

Now in its 21st edition, this introductory public speaking textbook encourages the reader to see public speaking as a way to build community in today's diverse world. This textbook is ideal for general courses on public speaking as well as specialized programs in business, management, political communication, and public affairs.

Routledge
April 2024:240
Hb: 978-1-032-54052-8: **£200**
Pb: 978-1-032-53763-4: **£94.99**

* For full contents and more information, visit: www.routledge.com/9781032537634

3RD EDITION

Advanced Public Speaking

A Leader's Guide



Michael J. Hostetler, Mary L. Kahl

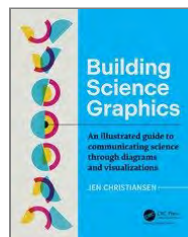
Providing users with the opportunity to increase their speaking abilities across a wide variety of complex and specific contexts, this student-engagement focused and flexible text serves as a core textbook for upper-level undergraduate public speaking courses.

Routledge
March 2024:214
Hb: 978-1-032-53187-8: **£125**
Pb: 978-1-032-53186-1: **£56.99**

* For full contents and more information, visit: www.routledge.com/9781032531861

Building Science Graphics

An Illustrated Guide to Communicating Science through Diagrams and Visualizations



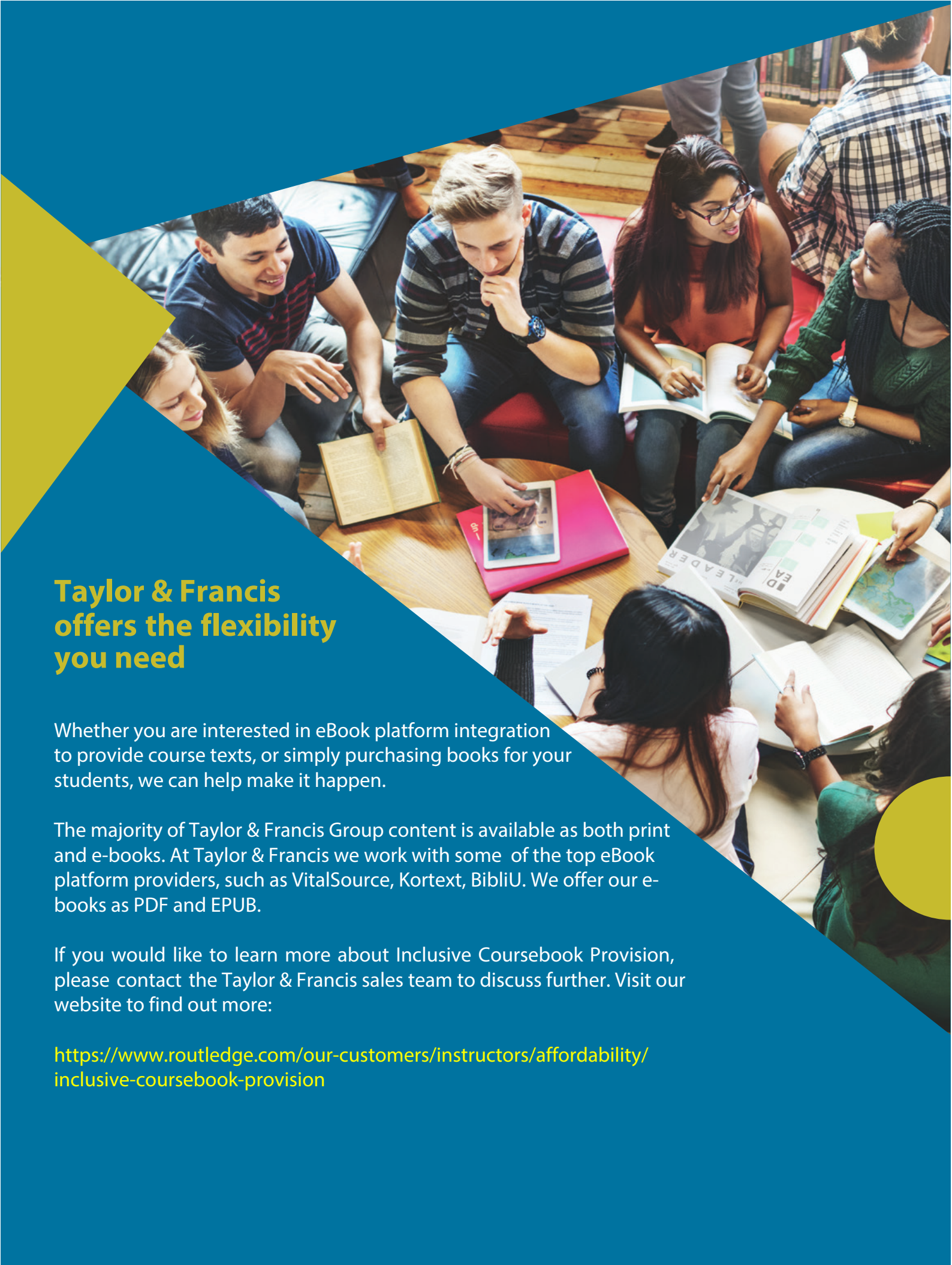
Jen Christiansen

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 2022:357
Hb: 978-1-032-10940-4: **£94.99**
Pb: 978-1-032-10674-8: **£38.99**
eBook: 978-1-003-21781-7

* For full contents and more information, visit: www.routledge.com/9781032106748



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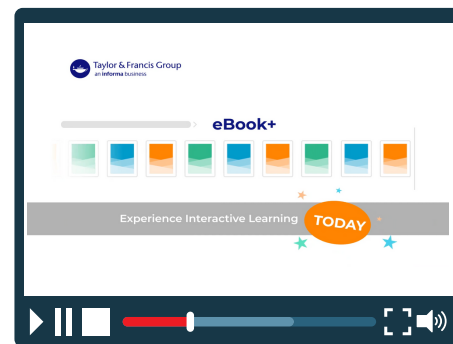
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