

Quantitative Techniques By Terry Lucey 6th Edition

Procrustean methods are used to transform one set of data to represent another set of data as closely as possible. This text is a systematic overview of Procrustean methods, presenting a unifying Analysis of Variance framework for different matching methods and the development of statistical tests.

This book is a printed edition of the Special Issue "Dietary Supplements" that was published in *Nutrients*

The purpose and subject of this book is to provide a comprehensive overview of all types of phantoms used in medical imaging, therapy, nuclear medicine and health physics. For ionizing radiation, dosimetry with respect to issues of material composition, shape, and motion/position effects are all highlighted. For medical imaging, each type of technology will need specific materials and designs, and the physics and indications will be explored for each type. Health physics phantoms are concerned with some of the same issues such as material heterogeneity, but also unique issues such as organ-specific radiation dose from sources distributed in other organs. Readers will be able to use this book to select the appropriate phantom from a vendor at a clinic, to learn from as a student, to choose materials for custom phantom design, to design dynamic features, and as a reference for a variety of applications. Some of the information enclosed is found in other sources, divided especially along the three categories of imaging, therapy, and health physics. To our knowledge, even though professionally, many medical physicists need to bridge the three categories described above.

Quantitative Techniques: Theory and Problems adopts a fresh and novel approach to the study of quantitative techniques, and provides a comprehensive coverage of the subject. Essentially designed for extensive practice and self-study, this book will serve as a tutor at home. Chapters contain theory in brief, numerous solved examples and exercises with exhibits and tables.

This text is especially relevant to students studying quantitative techniques as part of business, management and/or finance on undergraduate and professional courses, especially: ACCA; CIMA; CIPFA; ICA, IOB, ICAEW. This introductory interdisciplinary textbook covers all the major topics involved at the interface between business and management on the one hand and mathematics and statistics on the other. Topics dealt with include logistics, finance, production and operations management, and economics. This text is especially relevant to students studying quantitative techniques as part of business, management and/or finance on undergraduate and professional courses, especially: ACCA; CIMA; CIPFA; ICA, IOB, ICAEW. This introductory interdisciplinary textbook covers all the major topics involved at the interface between business and management on the one hand and mathematics and statistics on the other. Topics dealt with include logistics, finance, production and operations management, and economics.

"The ivory tower, like other stately homes in the UK, might present a grand façade to the world but closer inspection reveals a dark, spidery basement full of inequalities." Gender imbalances still exist across all areas of higher education. From salaries and promotion, to representation in the curriculum, formal approaches and good intentions rarely address the full complexity. *EqualBITE* digs into the messy reality of higher education gender issues, presenting people's stories, experiences and

frustrations and - more importantly - what can be done. University of Edinburgh students and staff share real-life experiences of gender challenges and opportunities, and their constructive responses. The book condenses current academic research into practical actions that do make a difference. *EqualBITE* is a pragmatic and positive response to gender issues in academia - a catalyst for creating a culture which is better for everyone. "We were so pleased to see this new guide to one aspect of diversity--gender equality--and to see how good it is: the book is comprehensive; it is raw, honest and personal; and it is very well written. It is a book both for reading cover-to-cover and for dipping into, and it will be enormously influential." - Jim Smith Director of Science, Wellcome Trust & Gemma Tracey Diversity & Inclusion Programme Manager - Science & Research, Wellcome Trust "The balance between data and lived experience equip the reader with the vital understanding of the depth of institutionalised inequality...This is recommended reading for anyone working in higher education who truly wants to create a fairer culture of women." - Talat Yaqoob Director, Equate Scotland "I really enjoyed reading the recipes - they combine humour with practical advice on how to tackle important gender issues." - Fiona Watt Vice-Dean Research and Impact, Faculty of Life Science and Medicine, King's College London

Investment pioneer Len Zacks presents the latest academic research on how to beat the market using equity anomalies *The Handbook of Equity Market Anomalies* organizes and summarizes research carried out by hundreds of finance and accounting professors over the last twenty years to identify and measure equity market inefficiencies and provides self-directed individual investors with a framework for incorporating the results of this research into their own investment processes. Edited by Len Zacks, CEO of Zacks Investment Research, and written by leading professors who have performed groundbreaking research on specific anomalies, this book succinctly summarizes the most important anomalies that savvy investors have used for decades to beat the market. Some of the anomalies addressed include the accrual anomaly, net stock anomalies, fundamental anomalies, estimate revisions, changes in and levels of broker recommendations, earnings-per-share surprises, insider trading, price momentum and technical analysis, value and size anomalies, and several seasonal anomalies. This reliable resource also provides insights on how to best use the various anomalies in both market neutral and in long investor portfolios. A treasure trove of investment research and wisdom, the book will save you literally thousands of hours by distilling the essence of twenty years of academic research into eleven clear chapters and providing the framework and conviction to develop market-beating strategies. Strips the academic jargon from the research and highlights the actual returns generated by the anomalies, and documented in the academic literature Provides a theoretical framework within which to understand the concepts of risk adjusted returns and market inefficiencies Anomalies are selected by Len Zacks, a pioneer in the field of investing As the founder of Zacks Investment Research, Len Zacks pioneered the concept of the earnings-per-share surprise in 1982 and developed the Zacks Rank, one of the first anomaly-based stock selection tools. Today, his firm manages U.S. equities for individual and institutional investors and provides investment software and investment data to all types of investors. Now, with his new book, he shows you what it takes to build a quant process to outperform an index based on academically documented market inefficiencies and anomalies.

Designed primarily as a textbook for upper division undergraduate courses in gender and sport, gender issues, sport sociology, cultural sport studies, and women's studies, *Gender Relations in Sport* provides a comprehensive examination of the intersecting themes and concepts surrounding the study of gender and sport. The 16 contributors, leading scholars from sport studies, present key issues, current research perspectives and theoretical developments within nine sub-areas of gender and sport: • Gender and sport participation • Theories of gender and sport • Gender and sport media • Sexual identity and sport • Intersections of race, ethnicity and gender in sport • Framing Title IX policy using conceptual metaphors • Studying the athletic body • Sexual harassment and abuse in sport • Historical developments and current issues from a European perspective The intersecting themes and concepts across chapters are also accentuated. Such a publication provides access to the study of gender relations in sport to students across a variety of disciplines. Emily A. Roper, Ph.D. is an Associate Professor in the Department of Health and Kinesiology at Sam Houston State University. Her research focuses on gender, sexuality, and sport.

In an era in which class divisions are becoming starker than ever, some individuals are choosing to marry across class. *The Power of the Past* traces the lives of a subset of these individuals - highly-educated adults who married a partner raised in a class different from their own, primarily between those from blue- and white-collar backgrounds. Drawing upon detailed interviews with spouses who revealed the inner workings of their marriages, Jessi Streib shows that crossing class lines is not easy, and that even though these couples shared bank accounts, mortgages, children, and friends, each spouse was still shaped by the class of their past, and consequently, so was their marriage. Streib reveals what was rarely apparent to the husbands and wives she interviewed. The class of their past did not only matter in determining the amount of money they had as children or what job their parents went off to each morning; It also mattered in more subtle ways, by systematically shaping their ideas of how to go about their daily lives. Upwardly mobile spouses who grew up in blue-collar families learned to take a *laissez-faire* approach to the world around them: they preferred to go with the flow, make the most of the moment, and avoid self-imposed constraints. Their spouses, who grew up in professional white-collar families, however, wanted to manage the world around them: they organized, planned, monitored, and oversaw. Living with a spouse who was born into a different class means navigating these differences - differences that appeared across nearly every aspect of their lives, from how they manage their finances, to how they manage their time - both at home and on vacation - to ideas about how their children should be raised. *The Power of the Past* illustrates that when individuals are raised in different classes, merged lives do not lead to merged ideas about how to lead those lives. Individuals can come together across class lines, but their enduring class characteristics cannot be left behind.

This book offers a unique blend of reports on both theoretical models and their applications in the area of Intelligent Information and Database Systems. The reports cover a broad range of research topics, including advanced learning techniques, knowledge engineering, Natural Language Processing (NLP), decision support systems, Internet of things (IoT), computer vision, and tools and techniques for Intelligent Information Systems. They are extended versions of papers presented at the ACIIDS 2018 conference (10th Asian Conference on Intelligent Information and Database Systems), which was held in Dong Hoi City, Vietnam on 19–21 March 2018. What all researchers and students of computer science need is a state-of-the-art report on the latest trends in their respective areas of interest. Over the years, researchers have proposed increasingly complex theoretical models, which provide the theoretical basis for numerous applications. The applications, in turn, have a profound influence on virtually every aspect of human activities, while also allowing us to validate the underlying theoretical concepts.

There are growing questions regarding the safety, quality, risk management, and costs of PCC

teams, their training and preparedness, and their implications on the welfare of patients and families. This innovative book, authored by an international authorship, will highlight the best practices in improving survival while paving a roadmap for the expected changes in the next 10 years as healthcare undergoes major transformation and reform. An invited group of experts in the field will participate in this project to provide the timeliest and informative approaches to how to deal with this global health challenge. The book will be indispensable to all who treat pediatric cardiac disease and will provide important information about managing the risk of patients with pediatric and congenital cardiac disease in the three domains of: the analysis of outcomes, the improvement of quality, and the safety of patients.

This book has been developed with a focus on the need to demystify the subject and make it easy for students to grasp the principles and details involved, and make it easily understandable to beginners exposed to the subject for the first time. An attempt has been made to explain things in a logical progression, in the simplest possible way so that neophytes may quickly grasp the concepts and methodology. A novel approach in the book is the illustrative use of computers with TORA package, as a problem-solving tool. In actual practice, situations arise with large and complex problems that are difficult to solve. At such times, using computers to solve problems gives fast and more accurate results. The chapters are arranged so as to progressively explain the workings of various models in actual practice through step-by-step procedures that so simplify and solve them, that even students from a non-mathematics academic background will grasp them quickly. Linear programming, the most powerful tool for managerial decision-making is covered elaborately, including thorough discussion of various LP methods and LP solutions, Duality in LP problems, sensitivity analysis, etc. Models in the book also use Linear Programming to reach solutions including those relating to transportation and transshipment, assignment, and Game Theory&illustrated with screen-shots of a computer with a TORA package. Readers whether students, business executives, managers, researchers and academicians will find that the insights and knowledge obtained from the book will stand them in good stead in both academic as well as occupational pursuits.

The ultimate guide to the evidence-based clinical encounter "This book is an excellent source of supported evidence that provides useful and clinically relevant information for the busy practitioner, student, resident, or educator who wants to hone skills of physical diagnosis. It provides a tool to improve patient care by using the history and physical examination items that have the most reliability and efficiency."--Annals of Internal Medicine "The evidence-based examination techniques put forth by Rational Clinical Examination is the sort that can be brought to bear on a daily basis – to save time, increase confidence in medical decisions, and help decrease unnecessary testing for conditions that do not require absolute diagnostic certainty. In the end, the whole of this book is greater than its parts and can serve as a worthy companion to a traditional manual of physical examination."--Baylor University Medical Center (BUMC)Proceedings 5 STAR DOODY'S REVIEW! "Physical diagnosis has been taught to every medical student but this evidence-based approach now shows us why, presenting one of medicine's most basic tenets in a new and challenging light. The format is extraordinary, taking previously published material and updating the pertinent evidence since the initial publication, affirming or questioning or refining the conclusions drawn from the data. "This is a book for everyone who has studied medicine and found themselves doubting what they have been taught over the years, not that they have been deluded, but that medical traditions have been unquestionably believed because there was no evidence to believe otherwise. The authors have uncovered the truth. "This extraordinary, one-of-a-kind book is a valuable addition to every medical library."--Doody's Review Service Completely updated with new literature analyses, here is a uniquely practical, clinically relevant approach to the use of evidence in the content of physical examination. Going far beyond the scope of traditional physical

examination texts, this invaluable resource compiles and presents the evidence-based meanings of signs, symptoms, and results from physical examination maneuvers and other diagnostic studies. Page after page, you'll find a focus on actual clinical questions and presentations, making it an incomparably practical resource that you'll turn to again and again. Importantly, the high-yield content of *The Rational Clinical Examination* is significantly expanded and updated from the original JAMA articles, much of it published here for the first time. It all adds up to a definitive, ready-to-use clinical exam sourcebook that no student or clinician should be without. **FEATURES** Packed with updated, new, and previously unpublished information from the original JAMA articles Standardized template for every issue covered, including: Case Presentation; Why the Issue Is Clinically Important; Research and Statistical Methods Used to Find the Evidence Presented; The Sensitivity and Specificity of Each Key Result; Resolution of the Case Presentation; and the Clinical Bottom Line Completely updated with all-new literature searches and appraisals supplementing each chapter Full-color format with dynamic clinical illustrations and images Real-world focus on a specific clinical question in each chapter, reflecting the way clinicians approach the practice of evidence-based medicine More than 50 complete chapters on common and challenging clinical questions and patient presentations Also available: JAMAEvidence.com, a new interactive database for the best practice of evidence based medicine

This second edition of the authoritative resource summarizes the state of consumer finance research across disciplines for expert findings on—and strategies for enhancing—consumers' economic health. New and revised chapters offer current research insights into familiar concepts (retirement saving, bankruptcy, marriage and finance) as well as the latest findings in emerging areas, including healthcare costs, online shopping, financial therapy, and the neuroscience behind buyer behavior. The expanded coverage also reviews economic challenges of diverse populations such as ethnic groups, youth, older adults, and entrepreneurs, reflecting the ubiquity of monetary issues and concerns. Underlying all chapters is the increasing importance of financial literacy training and other large-scale interventions in an era of economic transition. Among the topics covered: Consumer financial capability and well-being. Advancing financial literacy education using a framework for evaluation. Financial coaching: defining an emerging field. Consumer finance of low-income families. Financial parenting: promoting financial self-reliance of young consumers. Financial sustainability and personal finance education. Accessibly written for researchers and practitioners, this Second Edition of the *Handbook of Consumer Finance Research* will interest professionals involved in improving consumers' fiscal competence. It also makes a worthwhile text for graduate and advanced undergraduate courses in economics, family and consumer studies, and related fields.

A comprehensive reference for the poultry industry—Volume 2 describes poultry processing from raw meat to final retail products With an unparalleled level of coverage, the *Handbook of Poultry Science and Technology* provides an up-to-date and comprehensive reference on poultry processing. Volume 2: Secondary Processing covers processing poultry from raw meat to uncooked, cooked or semi-cooked retail products. It includes the scientific, technical, and engineering principles of poultry processing, methods and product categories, product manufacturing and attributes, and sanitation and safety. Volume 2: Secondary Processing is divided into seven parts: Secondary processing of poultry products—an overview Methods in processing poultry products—includes emulsions and gelations; breaching and battering; mechanical deboning; marination, cooking, and curing; and non-meat ingredients Product

manufacturing—includes canned poultry meat, turkey bacon and sausage, breaded product (nuggets), paste product (pâté), poultry ham, luncheon meat, processed functional egg products, and special dietary products for the elderly, the ill, children, and infants Product quality and sensory attributes—includes texture and tenderness, protein and poultry meat quality, flavors, color, handling refrigerated poultry, and more Engineering principles, operations, and equipment—includes processing equipment, thermal processing, packaging, and more Contaminants, pathogens, analysis, and quality assurance—includes microbial ecology and spoilage in poultry and poultry products; campylobacter; microbiology of ready-to-eat poultry products; and chemical and microbial analysis Safety systems in the United States—includes U.S. sanitation requirements, HACCP, U.S. enforcement tools and mechanisms

The volume aim to be a comprehensive overview of the drug and biologic development process that is often called “the valley of death” (pre-IND through approval) where high costs of studies and high rates of product failure are part of the drug development landscape. Imaging tools can serve in this period by adding high value data, the images and the kinetic information they can provide, and cost-effective development alternative tools which potentially improve pivotal study designs. Imaging may identify safety issues early such as unwanted organ or tissue distributions, and then can serve advanced development with added certainty of a drug or biologic’s success to senior corporate management and investors. There are numerous textbooks, reference texts and treatises on medical imaging technologies, teaching tools on medical cases and physics books on the science of detector and computer interface systems. Rarely, in each of these are examples of medical imaging protocols and animal models of disease i.e. a text on methodology in drug development is currently unavailable. The metabolomics approach, defined as the study of all endogenously-produced low-molecular-weight compounds, appeared as a promising strategy to define new cancer biomarkers. Information obtained from metabolomic data can help to highlight disrupted cellular pathways and, consequently, contribute to the development of new-targeted therapies and the optimization of therapeutics. Therefore, metabolomic research may be more clinically translatable than other omics approaches, since metabolites are closely related to the phenotype and the metabolome is sensitive to many factors. Metabolomics seems promising to identify key metabolic pathways characterizing features of pathological and physiological states. Thus, knowing that tumor metabolism markedly differs from the metabolism of normal cells, the use of metabolomics is ideally suited for biomarker research. Some works have already focused on the application of metabolomic approaches to different cancers, namely lung, breast and liver, using urine, exhaled breath and blood. In this Special Issue we contribute to a more complete understanding of cancer disease using metabolomics approaches.

This new volume in the Encyclopaedia of Sports Medicine series, published

under the auspices of the International Olympic Committee, delivers an up-to-date, state of the art presentation of the scientific aspects of conditioning, injury prevention, and competition. The book covers the key areas of scientific knowledge in sport and is divided into: physiology and biochemistry; nutrition; anthropometry; immunology; cell biology; biomechanics, engineering and ergonomics; psychology; pharmacology; limitations to performance; special populations; and exercise and health. Presented in a clear style and format, The Olympic Textbook of Science in Sport, draws on the expertise of an international collection of contributors who are recognized as leaders in their respective fields. It will be indispensable for all sport scientists and medical doctors who serve athletes and sports teams and is an invaluable reference for students of sport and exercise science.

Feminism and the Politics of Childhood offers an innovative and critical exploration of perceived commonalities and conflicts between women and children and, more broadly, between various forms of feminism and the politics of childhood. This unique collection of 18 chapters brings into dialogue authors from a range of geographical contexts, social science disciplines, activist organisations, and theoretical perspectives. The wide variety of subjects include refugee camps, care labour, domestic violence and childcare and education. Chapter authors focus on local contexts as well as their global interconnections, and draw on diverse theoretical traditions such as poststructuralism, psychoanalysis, posthumanism, postcolonialism, political economy, and the ethics of care. Together the contributions offer new ways to conceptualise relations between women and children, and to address injustices faced by both groups. Praise for *Feminism and the Politics of Childhood: Friends or Foes?* 'This book is genuinely ground-breaking.' ? Val Gillies, University of Westminster 'Feminism and the Politics of Childhood: Friends or Foes? asks an impossible question, and then casts prismatic light on all corners of its impossibility.' ? Cindi Katz, CUNY 'This provocative and stimulating publication comes not a day too soon.' ? Gerison Lansdown, Child to Child 'A smart, innovative, and provocative book.' ? Chandra Talpade Mohanty, Syracuse University 'This volume raises and addresses issues so pressing that it is surprising they are not already at the heart of scholarship.' ? Ann Phoenix, UCL " "If a student researcher had only one handbook on their bookshelf, Miller and Salkind's Handbook would certainly have to be it. With the updated material, the addition of the section on ethical issues (which is so well done that I'm recommending it to the departmental representative to the university IRB), and a new Part 4 on "Qualitative Methods," the new Handbook is an indispensable resource for researchers." "Dan Cover, Department of Sociology, Furman University The book considered a "necessity" by many social science researchers and their students has been revised and updated while retaining the features that made it so useful. The emphasis in this new edition is on the tools with which graduate students and more advanced researchers need to become

familiar as well as be able to use in order to conduct high quality research. Choice Recommended Read Critical psychology has developed over time from different standpoints, and in different cultural contexts, embracing a variety of perspectives. This cutting-edge and comprehensive handbook values and reflects this diversity of approaches to critical psychology today, providing a definitive state-of-the-art account of the field and an opening to the lines of argument that will take it forward in the years to come. The individual chapters by leading and emerging scholars plot the development of a critical perspective on different elements of the host discipline of psychology. The book begins by systematically addressing each separate specialist area of psychology, before going on to consider how aspects of critical psychology transcend the divisions that mark the discipline. The final part of the volume explores the variety of cultural and political standpoints that have made critical psychology such a vibrant contested terrain of debate. The Handbook of Critical Psychology represents a key resource for researchers and practitioners across all relevant disciplines. It will be of particular interest to students and researchers in psychology, psychosocial studies, sociology, social anthropology and cultural studies, and to discourse analysts of different traditions, including those in critical linguistics and political theory.

This text is designed to provide an understanding of quantitative techniques, this manual is suitable for students on IComA, ACCA, CIMA, CIPFA, ICSA, IDPM, BA Business Studies and BTEC higher level courses. It contains self-review questions and longer examination answers. A lecturers' support pack is included.

Detailed characterization of fuzzy interactions will be of central importance for understanding the diverse biological functions of intrinsically disordered proteins in complex eukaryotic signaling networks. In this volume, Peter Tompa and Monika Fuxreiter have assembled a series of papers that address the issue of fuzziness in molecular interactions. These papers provide a broad overview of the phenomenon of fuzziness and provide compelling examples of the central role played by fuzzy interactions in regulation of cellular signaling processes and in viral infectivity. These contributions summarize the current state of knowledge in this new field and will undoubtedly stimulate future research that will further advance our understanding of fuzziness and its role in biomolecular interactions.

While the science of yogurt is nearly as old as the origin of mankind, there have been rapid changes in yogurt development since the turn of the 19th century, fueled by continuing developments in biological sciences. Development and Manufacture of Yogurt and Other Functional Dairy Products presents a comprehensive review of all aspects of yogurt and other fermented dairy foods, including production, processing, preparation, regulations, and health aspects. Condensing more than 12,000 pages of recently published literature, expert contributors, including several clinicians, address the most recent developments in probiotics and the interaction between yogurt and immunological and intestinal bowel diseases. They explain how beneficial and harmful bacteria are colonized in the human intestinal system and how those bacteria can either strengthen or weaken immunological functions. This resource also explores the little-known varieties of functional dairy products – such as ayran, kefir, koumiss, cacik, and tarator – that are currently only consumed in small parts of the world but that are likely to reach supermarkets worldwide in the not-so-distant future. Development and Manufacture of Yogurt and Other Functional Dairy Products presents the most recent developments in biosciences and their applications in yogurt-human health interactions. The

depth and breadth of coverage make this book an indispensable reference for those involved with the research and manufacturing of milk and dairy products.

This text is especially relevant to students studying quantitative techniques as part of business, management and/or finance on undergraduate and professional courses, especially: ACCA; CIMA; CIPFA; ICA, IOB, ICAEW.

With new medications, medical therapies, and increasing numbers of older and medically complex patients seeking dental care, all dentists, hygienists, and students must understand the intersection of common diseases, medical management, and dental management to coordinate and deliver safe care. This new second edition updates all of the protocols and guidelines for treatment and medications and adds more information to aid with patient medical assessments, and clearly organizes individual conditions under three headings: background, medical management, and dental management. Written by more than 25 expert academics and clinicians, this evidence-based guide takes a patient-focused approach to help you deliver safe, coordinated oral health care for patients with medical conditions. Other sections contain disease descriptions, pathogenesis, coordination of care between the dentist and physician, and key questions to ask the patient and physician.

This text covers the principles, techniques and methods involved in cost accountancy. It provides full coverage of the latest professional and college syllabuses for cost accountancy. print on demand

A panel of highly regarded molecular biologists and clinical researchers describe in detail their most novel, useful, and interesting RT-PCR applications. Here the newcomer will find readily reproducible protocols for highly sensitive detection and quantification of gene expression, the in situ localization of gene expression in tissue, and the cloning of genes, as well as for analyzing T-cell clones and the differential expression of genes. For the expert seeking to extend the usefulness of RT-PCR, there are user-friendly applications that complement the latest technological advances, including laser-capture microdissection (LCM), real-time and quantitative PCR, microarray technology, cDNA cloning, and antibody engineering. Study disease pathogenesis with RT-PCR to design new therapeutic strategies Expand RT-PCR with antibody engineering, real-time PCR, and microarray technology.

Terry Lucey offers a comprehensive treatment of the principles, application and design of management information systems in both public and private sector organisations. The book also includes assignments, cases and a selection of examination questions.

This text aims to provide a thorough understanding of management accounting and is designed principally for students preparing themselves for professional examinations. It features case studies and a lecturers' support pack.

The market-leading European text on management accounting and comprehensive authority on all aspects of the subject has been streamlined and substantially redesigned in its 6th edition to make it even more suitable for the needs of today's student. The aim of the new edition is to explain the principles involved in the design and evaluation of management and cost accounting information systems. The emphasis in the book is on management accounting systems that will be used for internal decision-making purposes within an organisation, however, cost accounting systems for external reporting are also comprehensively covered. It has been brought up to date with the latest developments in the subject. Having been made stronger pedagogically with the addition of the answers to the questions and more real-world mini cases, the text brings home the relevance of the subject matter to the real world of business.

Quantitative Techniques Burns & Oates

Focusing specifically on the management of karst environments, this volume draws together the world's leading karst experts to provide a vital source for the study and management of this unique physical setting. Although karst landscapes cover 12% of the Earth's terrain and

provide 25% of the world's drinking water, the resource management of karst environments has only previously received indirect attention. Through a comprehensive approach, Karst Management focuses on engineering issues associated with surface karst such as quarries, dams, and agriculture, subsurface topics such as the management of groundwater, show caves, cave biota, and geo-archaeology projects. Chapters that focus on karst as an integrated system look at IUCN World Heritage sites, national parks, policy and regulation, measuring systematic disturbance, information management, and public environmental education. The text incorporates the most up-to-date research from leading karst scientists. This volume provides important perspectives for university students, educators, geoengineers, resource managers, and planners who are interested in or work with this unique physical landscape. Mathematical finance plays a vital role in many fields within finance and provides the theories and tools that have been widely used in all areas of finance. Knowledge of mathematics, probability, and statistics is essential to develop finance theories and test their validity through the analysis of empirical, real-world data. For example, mathematics, probability, and statistics could help to develop pricing models for financial assets such as equities, bonds, currencies, and derivative securities.

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