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Quantitative Techniques

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.

Quantitative Techniques

This book provides a framework for understanding micro, small and medium sized enterprises (MSMEs) as important contributors to economic growth. By examining the economic and investment decisions behind these businesses, the author shows how managers of MSMEs can add value to the firm by applying managerial finance tools. Early chapters establish the basic tenets of new venture development and financing and explore the economic environment that business-owners inhabit, focusing on venture capital, microfinance intervention, and public sector interventions. Later chapters guide the reader through the process of financial planning and forecasting, and valuation, finishing with insights into how to harvest investments and make sound financial decisions. The book has interdisciplinary appeal and offers a timely consideration of MSMEs in developing economies. It will be valuable reading for all interested in the management and development of small businesses, the finance of entrepreneurship and policy affecting small and medium sized enterprises.

Quantitative Techniques Sixth Edition

1. Introduction 2. Averages and Other Measures of Locations 3. Measures of Dispersion 4. Measures of Variation 5. Simple and Compound Interest 6. Skewness 7. Analysis of Variance 8. Association of Attributes 9. Theory of Games 10. Regression 11. Multiple Regression 12. Correlation 13. Design of Experiments 14. Index Numbers 15. Indices 16. Unitary Method 17. Quadrati Equation 18. Pure Arithmetic 19. Mensuration of Area of Plane Figures 20. Factorisation and Algebraic Fractions.

Two Point Six Quantitative Analysis

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.

Entrepreneurial Finance for MSMEs

The purpose of the Special Issue "Quantitative Methods in Economics and Finance" of the journal Risks was to provide a collection of papers that reflect the latest research and problems of pricing complex derivates, simulation pricing, analysis of financial markets, and volatility of exchange rates in the international context. This book can be used as a reference for academicians and researchers who would like to discuss and introduce new developments in the field of quantitative methods in economics and finance and explore applications of quantitative methods in other business areas.

Quantitative Techniques

"Educational Research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research offers a truly balanced, inclusive, and integrated overview of the processes involved in educational research. This text first examines the general steps in the research process and then details the procedures for conducting specific types of quantitative, qualitative, and mixed methods studies. Direct guidance on reading research is offered throughout the text, and interactive features provide opportunities for practice."--Publisher's description.

Quantitative Techniques

What is Qualitative Interviewing? is an accessible and comprehensive 'what is' and 'how to' methods book. It is distinctive in emphasising the importance of good practice in understanding and undertaking qualitative interviews within the framework of a clear philosophical position. Rosalind Edwards and Janet Holland provide clear and succinct explanations of a range of philosophies and theories of how to know about the social world, and a thorough discussion of how to go about researching it using interviews. A series of short chapters explain and illustrate a range of interview types and practices. Drawing on their own and colleagues' experiences Holland and Edwards provide real research examples as informative illustrations of qualitative interviewing in practice, and the use of a range of creative interview tools. They discuss the use of new technologies as well as tackling enduring issues around asking and listening and power dynamics in research. Written in a clear and accessible style the book concludes with a useful annotated bibliography of key texts and journals in the field. What is Qualitative Interviewing? provides a vital resource for both new and experienced social science researchers across a range of disciplines.

Quantitative methods for decision makers

This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

Quantitative Methods in Economics and Finance

The guideline focuses specifically on evidence-based pharmacological treatments for AUD in outpatient settings and includes additional information on assessment and treatment planning, which are an integral part of using pharmacotherapy to treat AUD.

Educational Research

The development of business analysis as a professional discipline has extended the role of the business analyst who now needs the widest possible array of tools and the skills and knowledge to be able to use each when and where it is required. This new edition provides 99 possible techniques and practical guidance on how and when to apply them.

What is Qualitative Interviewing?

The International Symposium on Experimental Robotics (ISER) is a series of bi-annual meetings which are organized in a rotating fashion around North America, Europe and Asia/Oceania. The goal of ISER is to provide a forum for research in robotics that focuses on novelty of theoretical contributions validated by experimental results. The meetings are conceived to bring together, in a small group setting, researchers from around the world who are in the forefront of experimental robotics research. This unique reference presents the latest advances across the various fields of robotics, with ideas that are not only conceived conceptually but also explored experimentally. It collects robotics contributions on the current developments and new directions in the field of experimental robotics, which are based on the papers presented at the 14th ISER held on June 15-18, 2014 in Marrakech and Essaouira, Morocco. This present fourteenth edition of Experimental Robotics edited by M. Ani Hsieh, Oussama Khatib, and Vijay Kumar offers a collection of a broad range of topics in field and human-ce ntered robotics.

Statistics for Analytical Chemistry

Quantitative Data Analysis with SPSS for Windows explains statistical tests using the latest version of SPSS, the most widely used computer package for analysing quantitative data. Using the same formula-free, non-technical approach as the highly successful non-windows version, it assumes no previous familiarity with either statistics or computing, and takes the reader step-by-step through each of the techniques for which SPSS for Windows can be used, including: correlation simple and multiple regression multivariate analysis of variance and covariance factor analysis The book also contains a comprehensive range of exercises with answers, and covers issues such as sampling, statistical significance, and the selection of appropriate tests.

How Tobacco Smoke Causes Disease

This book will bring together ideas about narrative from a variety of contexts across the social sciences and synthesize understandings of the field. Rather than focusing on theory, the book will examine how narrative research is conducted and applied.

The American Psychiatric Association Practice Guideline for the Pharmacological Treatment of Patients With Alcohol Use Disorder

Management Information Systems provides comprehensive and integrative coverage of essential new technologies, information system applications, and their impact on business models and managerial decision-making in an exciting and interactive manner. The twelfth edition focuses on the major changes that have been made in information technology over the past two years, and includes new opening, closing, and Interactive Session cases.

Business Analysis Techniques

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.

Experimental Robotics

The groundbreaking methodology Six Sigma changed the face of manufacturing quality. Now, HumanSigma is poised to do the same for sales and service. In the face of widespread perceptions of abysmal customer service and disengaged employees? and all-too-real declining profit margins? the need for change is obvious. Human Sigma addresses this need with an exciting new method for managing customer-employee relations that increases both productivity and profitability. It incorporates cutting-edge research in the neurosciences and behavioral economics? including brain imaging research into customer's emotional connections to the companies they love? with proven techniques for improving workforce performance and revenues generated from existing customers. This practical handbook appeals to senior leaders and line managers alike who are looking for a way to dramatically increase productivity, retain high value customers, and enhance organizational performance.

Business Mathematics and Statistics

This book reflects the dramatic increase in the number of Raman spectrometers being sold to and used by non-expert practitioners. It contains coverage of Resonance Raman and SERS, two hot areas of Raman, in a form suitable for the non-expert. Builds Raman theory up in stages without overloading the reader with complex theory Includes two chapters on instrumentation and interpretation that shows how Raman spectra can be obtained and interpreted Explains the potential of using Raman spectroscopy in a wide variety of applications Includes detailed, but concise information and worked examples

Quantitative Data Analysis with SPSS for Windows

The development of business analysis as a professional discipline has extended the role of the business analyst who now needs the widest possible array of tools and the skills and knowledge to be able to use each when and where it is needed. This book provides 72 possible techniques and applies them within a framework of stages.

What is Narrative Research?

Johnny Saldana outlines the basic elements of longitudinal qualitative data, focusing on micro-levels of change observed within individual cases and groups of participants. He draws upon his primary experience in theater education to examine time and change in longitudinal qualitative studies; contending that "playwrights and qualitative researchers write for the same purpose: to create a unique, insightful, and engaging text about the human condition." Offering sixteen specific questions through which researchers may approach the analysis of longitudinal qualitative data, Professor Saldana presents a text intended as a primer for fellow newcomers to long term inquiry, based on traditional social science methods from traditional qualitative and quantitative paradigms, but enriched by an artist-educator's unconventional perspective.

Management Information Systems

A user friendly introduction to use and interpretation of quantitative methods for Business students.

Quantitative Techniques for Management

Remediation in medical education is the act of facilitating a correction for trainees who started out on the journey toward becoming excellent physicians but have moved off course. This book offers an evidence-based and practical approach to the identification and remediation of medical trainees who are unable to perform to standards. As assessment of clinical competence and professionalism has become more sophisticated and ubiquitous, medical educators increasingly face the challenge of

implementing effective and respectful means to work with trainees who do not yet meet expectations of the profession and society. Remediation in Medical Education: A Mid-Course Correction describes practical stepwise approaches to remediate struggling learners in fundamental medical competencies; discusses methods used to define competencies and the science underlying the fundamental shift in the delivery and assessment of medical education; explores themes that provide context for remediation, including professional identity formation and moral reasoning, verbal and nonverbal learning disabilities, attention deficit disorders in high-functioning individuals, diversity, and educational and psychiatric topics; and reviews system issues involved in remediation, including policy and leadership challenges and faculty development.

Human Sigma

'Represents the culmination of an 18-month-long project that aims to be the definitive review of this important topic. Accompanied by a scholarly literature review, some new analysis, and a wealth of evidence and insight... the report is a tour de force; a once-in-a-generation opportunity to take stock. - Dr Steven Hill, Head of Policy, HEFCE, LSE Impact of Social Sciences Blog 'A must-read if you are interested in having a deeper understanding of research culture, management issues and the range of information we have on this field. It should be disseminated and discussed within institutions, disciplines and other sites of research collaboration.' - Dr Meera Sabaratnam, Lecturer in International Relations at the School of Oriental and African Studies, University of London, LSE Impact of Social Sciences Blog Metrics evoke a mixed reaction from the research community. A commitment to using data and evidence to inform decisions makes many of us sympathetic, even enthusiastic, about the prospect of granular, real-time analysis of our own activities. Yet we only have to look around us at the blunt use of metrics to be reminded of the pitfalls. Metrics hold real power: they are constitutive of values, identities and livelihoods. How to exercise that power to positive ends is the focus of this book. Using extensive evidence-gathering, analysis and consultation, the authors take a thorough look at potential uses and limitations of research metrics and indicators. They explore the use of metrics across different disciplines, assess their potential contribution to the development of research excellence and impact and consider the changing ways in which universities are using quantitative indicators in their management systems. Finally, they consider the negative or unintended effects of metrics on various aspects of research culture. Including an updated introduction from James Wilsdon, the book proposes a framework for responsible metrics and makes a series of targeted recommendations to show how responsible metrics can be applied in research management, by funders, and in the next cycle of the Research Excellence Framework. The metric tide is certainly rising. Unlike King Canute, we have the agency and opportunity – and in this book, a serious body of evidence – to influence how it washes through higher education and research.

Modern Raman Spectroscopy

This latest edition has been fully updated to accommodate the needs of users of SPSS Releases 17, 18 and 19 while still being applicable to users of SPSS Releases 15 and 16. As with previous editions, Alan Bryman and Duncan Cramer continue to offer a comprehensive and user-friendly introduction to the widely used IBM SPSS Statistics. The simple, non-technical approach to quantitative data analysis enables the reader to quickly become familiar with SPSS and with the tests available to them. No previous experience of statistics or computing is required as this book provides a step-by-step guide to statistical techniques, including: Non-parametric tests Correlation Simple and multiple regression Analysis of variance and covariance Factor analysis. This book comes equipped with a comprehensive range of exercises for further practice, and it covers key issues such as sampling, statistical inference, conceptualization and measurement and selection of appropriate tests. The authors have also included a helpful glossary of key terms. The data sets used in Quantitative Data Analysis with IBM SPSS 17, 18 and 19 are available online at http://www.routledgetextbooks.com/textbooks/_author/bryman-9780415579193/; in addition, a set of multiple-choice questions and a chapter-by-chapter PowerPoint lecture course are available free of charge to lecturers who adopt the book.

Business Analysis Techniques

A comprehensive guide to carrying out Qualitative Secondary Analysis (QSA) that brings together expert advice and professional insight from leading researchers who have developed innovative theories and methods of QSA. Exploring crucial components of research and analysis—such as where to find resources, how to search within a resource, and working with both paper archives and

non-textual data—each chapter offers insightful case studies, links to further reading and applied helpful hints and tips to help effectively apply these innovations to further the reader's own research. A must read for Social Science students, early career researchers and researchers new to the field of QSA, this text will help readers through every aspect of a research process using QSA, from application to implications.

Concepts and Practices in Agricultural Extension in Developing Countries

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.

Longitudinal Qualitative Research

Patient-centered, high-quality health care relies on the well-being, health, and safety of health care clinicians. However, alarmingly high rates of clinician burnout in the United States are detrimental to the quality of care being provided, harmful to individuals in the workforce, and costly. It is important to take a systemic approach to address burnout that focuses on the structure, organization, and culture of health care. Taking Action Against Clinician Burnout: A Systems Approach to Professional Well-Being builds upon two groundbreaking reports from the past twenty years, To Err Is Human: Building a Safer Health System and Crossing the Quality Chasm: A New Health System for the 21st Century, which both called attention to the issues around patient safety and quality of care. This report explores the extent, consequences, and contributing factors of clinician burnout and provides a framework for a systems approach to clinician burnout and professional well-being, a research agenda to advance clinician well-being, and recommendations for the field.

Quantitative Approaches in Business Studies

This ethnography gives a voice to a small group of students who are required to spend time in a school withdrawal-unit away from the mainstream classroom setting, most commonly following a period of sustained low-level disruption; students who all too often feel that their voice is not heard. What emerges through the telling of their lived experiences, is the breadth and diversity of ways - from the blatant to the inadvertent, the miniscule to the looming, the inter-personal to the structural - through which they make sense of their tangled, intricate, oftentimes deeply-individual marginalisation, as they navigate schooling day-by-day. Structural issues of transition, ability groups and pathways are seen to fuel marginalisation, as are aspects of classroom practice, such as behaviour management policy enactment or the choice of pedagogical approach. Teacher-student relationships matter hugely, as does being known, respected and understood. Individual factors also play a role, with special educational needs, mental health concerns and family breakdown, all feeding into engagement and attitudes to school. Taking the experiences of these students seriously, the analysis shows that what is actually needed to tackle the assorted, messy, multi-dimensional nature of such lived marginalisation, is a radically comprehensive education system structure, with the social at its heart, where critical pedagogy is embedded classroom practice.

Remediation in Medical Education

This Third Edition of Doing Research with Children is practical introduction to the process of designing, doing and writing up research with children and young people. At the centre is a commitment to engaging with children and young people as active research participants rather than as passive subjects. In the new edition, you2ll find up to date information on the fast-changing political and ethical debates around research with children and young people as well as guidance on how to carry out research yourself. Divided into three sections, the new edition covers: -the main theories and approaches of research with children and young people -expanded guidance on research ethics -techniques for conducting both qualitative and quantitative research -more on analysing your research

-a brand new chapter on communicating your research findings. This is a must-have guide for students and practitioners who are engaging in research with children and young people.

The Metric Tide

There is no denying the role of empirical research in finance and the remarkable progress of empirical techniques in this research field. This Special Issue focuses on the broad topic of "Empirical Finance" and includes novel empirical research associated with financial data. One example includes the application of novel empirical techniques, such as machine learning, data mining, wavelet transform, copula analysis, and TV-VAR, to financial data. The Special Issue includes contributions on empirical finance, such as algorithmic trading, market efficiency, market microstructure, portfolio theory and asset allocation, asset pricing models, liquidity risk premium, currency crisis, return predictability, and volatility modeling.

Quantitative Data Analysis with IBM SPSS 17, 18 & 19

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

Coagulase-negative Staphylococci

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.

Qualitative Secondary Analysis

This book is available as open access through the Bloomsbury Open Access programme and is available on www.bloomsburycollections.com. This volume offers a new introduction to an evolving research method in the social sciences. Qualitative Longitudinal (QL) research is conducted through time. In its qualitative dimensions it opens up the potential to 'think dynamically' in creative, flexible and innovative ways. QL enquiry is rooted in a long-established tradition of qualitative temporal research, spanning the fields of social anthropology, sociological re-studies and biographical research. But over the past two decades, a growing body of scholarship has begun to document this approach and explore its theoretical underpinnings. This in turn has fuelled a growing interest in and rapid uptake of QL methodology across the disciplines and in international context. This practical volume will be a first port of call for students and researchers wishing to use QL research in their own projects. The chapters follow a logical development, from conceptual and methodological foundations, to research practice and ethics, to the generation and analysis of data. Each chapter offers practical examples drawn from the research field to illustrate key themes and the rich possibilities for new applications.

The Olympic Textbook of Science in Sport

Taking Action Against Clinician Burnout