

Analysing Likert Scale Type Data Scotlands First

This book sheds light on the emerging research trends in intelligent systems and their applications. It mainly focuses on three different themes, including software engineering, ICT in education, and management information systems. Each chapter contributes to the aforementioned themes by discussing the recent design, developments, and modifications of intelligent systems and their applications.

A Comprehensive Guide for Design, Collection, Analysis and Presentation of Likert and Other Rating Scale Data Analysis of Likert Scale Data

"Action Research Essentials contains a variety of online resources as well as rubrics and checklists to help students design questions, evaluate online sources, write the literature review, and create the action research report."--Jacket.

The analysis of means (ANOM) is a graphical procedure used to quantify differences among treatment groups in a variety of experimental design and observational study situations. The ANOM decision chart allows one to easily draw conclusions and interpret results with respect to both statistical and practical significance. It is an excellent choice for multiple comparisons of means, rates, or proportions and can be used with both balanced and unbalanced data. Key advances in ANOM procedures that have appeared only in technical journals during the last 20 years are included in this first comprehensive modern treatment of the ANOM containing all of the needed information for practitioners to understand and apply ANOM.

This bestselling introductory book offers practical and straightforward guidance on the basics of social research, ideal for anyone who needs to conduct small-scale research projects as part of their undergraduate, postgraduate or professional studies. The book provides:

- A clear, straightforward introduction to data collection methods and data analysis
- Jargon-free coverage of the key issues
- Checklists to guide good practice

The sixth edition has been extensively updated and includes features such as:

- A new chapter on the Life Course Perspective
- A new chapter on Literature Reviews
- New material on the Delphi Technique
- An updated and expanded chapter on the analysis of Quantitative Data
- New examples and illustrations throughout

The Good Research Guide, 6th edition is a valuable resource for anyone conducting social research including those in applied areas such as business studies, health studies, nursing, education, social work, policy studies, marketing, media studies and criminology. "Denscombe's The Good Research Guide, now in its 6th edition, continues to be one of the leading books in the field. It covers the topics a student or practitioner doing a research project needs to know from project design, theoretical underpinnings of research, data collection and analysis to writing up your research. Its accessible and practical approach means that it is an excellent resource for those new to undertaking independent research."

Liam Foster, Senior Lecturer in Social Policy and Social Work, Sheffield University, UK "Martyn Denscombe's text continues to remain core reading for those undertaking small pieces of research and those who need to gain a firm grounding in the principles of research theory and practice. From deciding on a research approach to the process of writing up, this finely balanced edition offers a comprehensive and detailed guide to the research cycle. Pragmatic, and with the needs of the researcher always in mind, it makes social science research accessible, undaunting, and, what's more, a completely possible, stimulating, and enjoyable endeavour." Yunis Alam, Faculty of Social Sciences, University of Bradford, UK "The Good Research Guide provides a comprehensive view of the complex strategies and approaches of conducting social research, explained in simple terms. Relevant examples and check lists provided in each section not only helps to gain better understanding but also reflect on one's own research. This book has tremendously helped me to gain knowledge and understanding of complex research strategies. It will provide clear guidance and direction for students and researchers in their research journey to achieve success." Deborah Ebenezer, Research

designed to provide answers to the questions faced by new researchers but without neglecting the underlying principles of good research. Each chapter includes 'next steps' activities to help readers apply the content to their own live research project. The companion website provides extensive resources, including video tutorials, to support the development of practical research skills. The text reflects the richness and variety of current business and management research both in its presentation of methods and techniques and its choice of examples drawn from different subject disciplines, industries and organizations. Management Research: Applying the Principles combines diversity of coverage with a singularity of purpose: to help students complete their research project to a rigorous standard.

This Handbook expertly instructs the reader on how to conduct applied health research across a number of disciplines. Particularly aimed at postgraduate health researchers and students of applied health research, it presents and explains a wide range of research designs and other contemporary issues in applied health research.

Surgical education is a rapidly expanding area of surgical research and career interest, and as the Association for Academic Surgery (AAS) Fall Courses (www.aasurg.org) and International courses offer more and more specialty tracking there is a greater need for an accompanying textbook to supplement the material presented in the courses. Success in Academic Surgery: Health Services Research is a unique and portable handbook that focuses on clinical trials. It includes new educational materials which are necessary to address: (1) the rapid evolution and rise of novel research methodologies in basic science and clinical/educational research and (2) the changing environment for academic surgeons. Success in Academic Surgery: Health Services Research is a valuable text for medical students, surgical residents and others considering a career within surgery.

A new volume in the annual that addresses all areas of political methodology. See also Stimson, James A.

This book discusses the latest developments in the field of open data. The opening of data by public organizations has the potential to improve the public sector, inspire business innovation, and establish transparency. With this potential comes unique challenges; these developments impact the operation of governments as well as their relationship with private sector enterprises and society. Changes at the technical, organizational, managerial, and political level are taking place, which, in turn, impact policy-making and traditional institutional structures. This book contributes to the systematic analysis and publication of cutting-edge methods, tools, and approaches for more efficient data sharing policies, practices, and further research. Topics discussed include an introduction to open data, the open data landscape, the open data life cycle, open data policies, organizational issues, interoperability, infrastructure, business models, open data portal evaluation, and research directions, best practices, and guidelines. Written to address different perspectives, this book will be of equal interest to students and researchers, ICT industry staff, practitioners, policy makers and public servants.

This handbook covers DEA topics that are extensively used and solidly based. The purpose of the handbook is to (1) describe and elucidate the state of the field and (2), where appropriate, extend the frontier of DEA research. It defines the state-of-the-art of DEA methodology and its uses. This handbook is intended to represent a milestone in the progression of DEA. Written by experts, who are generally major contributors to the topics to be covered, it includes a comprehensive review and discussion of basic DEA

models, which, in the present issue extensions to the basic DEA methods, and a collection of DEA applications in the areas of banking, engineering, health care, and services. The handbook's chapters are organized into two categories: (i) basic DEA models, concepts, and their extensions, and (ii) DEA applications. First edition contributors have returned to update their work. The second edition includes updated versions of selected first edition chapters. New chapters have been added on: different approaches with no need for a priori choices of weights (called "multipliers) that reflect meaningful trade-offs, construction of static and dynamic DEA technologies, slacks-based model and its extensions, DEA models for DMUs that have internal structures network DEA that can be used for measuring supply chain operations, Selection of DEA applications in the service sector with a focus on building a conceptual framework, research design and interpreting results.

In this novel and refreshing textbook, David de Vaus directs students to the core of data analysis. The book is an authoritative guide to the problems facing beginners in the field. Analyzing Social Science Data guides students in: problems with the initial data; problems with the initial variables; how to handle too much data; how to generalize; problems of analyzing single variables; problems examining bivariate relationships; and problems examining multivariate relationships The book is a "tour de force" in making data analysis manageable and rewarding for today's undergraduate studying research methods. I'm full of admiration for this book. Once again, David de Vaus has come up with a superb book that is well written and organized and which will be a boon to a wide range of students. He has taken a vast array of problems that users of quantitative data analysis procedures are likely to encounter. The selection of issues and problems ... reflects the experience of a true practitioner with a grasp of his field and of the intricacies of the research process. The selection of issues clearly derives also from experience of teaching students how to do research and analyse data....A large number of practitioners will want the book. I was surprised at how much I learned from this. This will be a vital book for the bookshelves of practitioners of the craft of quantitative data analysis' - "Alan Bryman, Professor of Social Research, Loughborough University For social researchers who need to know what procedures to use under what circumstances in practical research projects, this book does not require an indepth understanding of statistical theory.

This book is written for busy people who need to understand the information that is flooding them and find ways to interpret it. You may be a business executive, a medical doctor, a stay-at-home mother or father wanting to understand the Gallup poll results in the daily newspaper, or a student studying nursing, counseling, psychology, sociology, or even mathematics. Yet you need to quickly be brought into the world of research and data analysis. It does not require that you dedicate a year of your life to take a course in social-science research and quantitative data analysis. In fact, this book will not have formulas or require you to calculate mathematical functions. But you do need to have the dedication to try to understand what might be considered another language. You can do it at a pace that suits your lifestyle. You might want to take a look at the index at the end of the book to see if there are any terms youve been interested in or wondered about. It is very nontraditional in that its focus is on the concepts behind these processes rather than asking you to learn formulas and how to calculate data. If you have a desire to learn more about what is going on, there are many excellent texts in

the references.

Bullying in the workplace is a phenomenon that has recently intrigued researchers studying management and organizational issues, leading to such questions as why it occurs and what causes such harassment. This volume written by experts in a wide range of fields including Industrial and Organizational psychology, Counseling, Management, Law, Education and Health presents research on relational and social aggression issues which can result in lost productivity, employee turnover and costly lawsuits. Understanding this phenomenon is important to managers and employee morale.

Despite the findings on global climate change presented by the scientific community, there remains a significant gap between its recommendations and the actions of the public and policy makers. So far scientists and the media have failed to successfully communicate the urgency of the climate change situation in such a way that long-term, comprehensive, and legally binding policy commitments are being made on the national and international level. This book examines the way the public processes information, how they perceive threats and other perceptual factors that have a significant effect on how and to what degree climate change mitigation and adaptation strategies are supported. Understanding public risk perception plays a vital role in communicating the challenges of global climate change. Using a diverse range of international case studies, this book explores the nature of public perceptions of climate change and identifies the perception factors which have a significant impact on the public's willingness to support global climate change policies or commit to behavioral changes to reduce greenhouse gas emissions and improve urban resiliency. The comparative study of social and cultural factors, beliefs, attitudes and trust provides an international overview of best practices regarding the design, implementation and generation of public support for climate change policies at a global level. Offering valuable insight into climate change and risk communication, the book should be of interest to students and scholars of environment studies, politics, urban planning, and media and cultural studies.

This book provides a refreshing and user-friendly guide to quantitative data analysis in education for students and researchers. It assumes absolutely no prior knowledge of quantitative methods or statistics. Beginning with the very basics, it provides the reader with the knowledge and skills necessary to be able to undertake routine quantitative data analysis to a level expected of published research. Rather than focusing on teaching statistics through mathematical formulae, the book places an emphasis on using SPSS to gain a real feel for the data and an intuitive grasp of the main concepts and techniques involved. Drawing extensively upon up-to-date and relevant examples, the reader will be encouraged to think critically about quantitative research and its potential as well as its limitations in relation to education. Packed with helpful features, this book: provides illustrated step-by-step guides showing how to use SPSS, with plenty of exercises to encourage the reader to practice and consolidate their new skills makes extensive use of real-life educational datasets derived from national surveys in the US and UK to illustrate key points and to bring the material to life has a companion website that contains all of the educational datasets used in the book to download as well as comprehensive answers to exercises and a range of other useful resources that are regularly updated. The book will therefore appeal not only to undergraduate and postgraduate students but also to more established and seasoned educational researchers and lecturers and professors who have tended to avoid or shy away from quantitative methods.

Statistical Analysis of Management Data provides a comprehensive approach to multivariate statistical analyses that are important for researchers in all fields of management, including finance, production, accounting, marketing, strategy, technology, and human resources. This book is especially designed to provide doctoral students with a theoretical knowledge of the

concepts underlying the most important multivariate techniques and an overview of actual applications. It offers a clear, succinct exposition of each technique with emphasis on when each technique is appropriate and how to use it. This second edition, fully revised, updated, and expanded, reflects the most current evolution in the methods for data analysis in management and the social sciences. In particular, it places a greater emphasis on measurement models, and includes new chapters and sections on: confirmatory factor analysis canonical correlation analysis cluster analysis analysis of covariance structure multi-group confirmatory factor analysis and analysis of covariance structures. Featuring numerous examples, the book may serve as an advanced text or as a resource for applied researchers in industry who want to understand the foundations of the methods and to learn how they can be applied using widely available statistical software.

Building an effective, inclusive, and accountable public administration has become a major point of attention for policymakers and academics in Ethiopia who want to realise sustainable development. This first handbook on Ethiopian Public Administration is written by Ethiopian academics and practitioner-academics and builds on PhD studies and conference papers, including studies presented at the meetings of the Ethiopian Public Administration Association (EPAA), established in 2016. Public Administration in Ethiopia presents a wide range of timely issues in four thematic parts: Governance, Human Resources, Performance and Quality, and Governance of Policies. Each of the individual chapters in this volume contributes in a different way to the overarching research questions: How can we describe and explain the contexts, the processes and the results of the post-1990 politico-administrative reforms in Ethiopia? And what are the implications for sustainable development? This book is essential for students, practitioners, and theorists interested in public administration, public policy, and sustainable development. Moreover, the volume is a valuable stepping stone for PA teaching and PA research in Ethiopia.

This book explains the statistical concepts and then uses Microsoft Excel functions to illustrate how to get results using the appropriate techniques which will help researchers directly with their research.

This contemporary presentation of statistical methods features extensive use of graphical displays for exploring data and for displaying the analysis. The authors demonstrate how to analyze data—showing code, graphics, and accompanying tabular listings—for all the methods they cover. Complete R scripts for all examples and figures are provided for readers to use as models for their own analyses. This book can serve as a standalone text for statistics majors at the master's level and for other quantitatively oriented disciplines at the doctoral level, and as a reference book for researchers. Classical concepts and techniques are illustrated with a variety of case studies using both newer graphical tools and traditional tabular displays. New graphical material includes: an expanded chapter on graphics a section on graphing Likert Scale Data to build on the importance of rating scales in fields from population studies to psychometrics a discussion on design of graphics that will work for readers with color-deficient vision an expanded discussion on the design of multi-panel graphics expanded and new sections in the discrete bivariate statistics chapter on the use of mosaic plots for contingency tables including the $n \times 2 \times 2$ tables for which the Mantel–Haenszel–Cochran test is appropriate an interactive (using the shiny package) presentation of the graphics for the normal and t-tables that is introduced early and used in many chapters

This book occupies a unique position in the field of statistical analysis in the behavioural and social sciences in that it targets learners who would benefit from learning more conceptually and less computationally about statistical procedures and the software packages that can be used to implement them. This book provides a comprehensive overview of this important research skill domain with an emphasis on visual support for learning and better understanding. The primary focus is on fundamental concepts, procedures and interpretations

of statistical analyses within a single broad illustrative research context. The book covers a wide range of descriptive, correlational and inferential statistical procedures as well as more advanced procedures not typically covered in introductory and intermediate statistical texts. It is an ideal reference for postgraduate students as well as for researchers seeking to broaden their conceptual exposure to what is possible in statistical analysis.

This book considers a number of key epistemological, ontological and methodological questions exploring the effectiveness of school leadership and management development training programmes for school leaders in a range of settings and for a range of people. Consideration is also given to practical concerns associated with this topic, such as the importance of management and Leadership Development programmes supporting school leaders to become effective leaders supporting school effectiveness. Effectiveness of School Leadership and Management Development in Cameroon addresses key methodological issues including the rationale for adopting a qualitative mixed-methodology research approach with elements of literature and documental analysis; surveys; ethical considerations and challenges with sampling techniques in considering the impact that school leaders in Cameroon have on researchers' findings; and the production of knowledge. In addressing such topics, it answers important questions about how reliability can be ensured, how rigour can be safeguarded and what impact documental analysis and school leaders' views have on the validity and interpretation of research findings. This book is the first of its kind to combine practical leadership theories in developing leadership development frameworks reflections with clearly presented recommendations about how the approach can be used. It will be invaluable to academics, practitioners and other agencies wishing to adopt participatory research methods which place school leaders and their schools at the centre of this research. This book is also an essential read for academics and students with an interest in qualitative mixed methodologies on leadership development of school leaders, and will become a key text for school leadership research methods courses, given its concern with practical leadership models as well as more complex leadership development theories.

Research is a fundamental part of midwifery practice. However, not everyone finds it easy to understand the basic principles, and particularly the language of research. This accessible handbook enables midwives and student midwives to firstly understand how to search and make sense of research evidence, how to write a research proposal and finally how to undertake a research study. The Handbook of Midwifery Research specifically focuses on the needs of midwives and students and helps increase the knowledge and understanding of midwifery research, enabling the reader to undertake research with confidence. With case studies, learning objectives and clear examples throughout, this is an essential purchase for any midwife or student wanting to understand or undertake research. This handbook includes useful tools and techniques to assist midwives and students to keep themselves up-to-date with the best available evidence, enabling them to apply this evidence to their own clinical practice. An essential resource for midwifery students as well as qualified midwives Clear, straightforward, and accessible in style Provides midwives and students with the skills to undertake research with confidence Provides examples throughout to apply research to midwifery practice Includes a glossary of research terms An introductory applied statistics text that can be used at either undergraduate or graduate level.

It is observed that Researchers face a lot of difficulties in planning, design,

collection, analysis and interpretation of Likert Scale data. Therefore, as an aid for the researchers it is attempted to write a book entitled 'A Comprehensive Guide for Design, Collection, Analysis and Presentation of Likert and other Rating Scale Data' on this subject with the following chapters 1. Basics of Likert Scale 2. General Issues of Likert Scaling 3. Templates for Creating Likert Scales 4. Basic Concepts of Measurement 5. Analysis of Likert Data 6. Appropriate Chart or Graph for Likert scale 7. Likert Scale Data Analysis with Statistical Software. This book discusses various efforts to identify, collect, analyse, improve, and present Likert data collected by rating scales such as Likert Scale. Most importantly the book illustrates, review, and critique several forms of collection, analysis, graphical presentation and interpretation of results from studies using rating scales. The most salient and striking features covered in this book are as follows

Differences between Likert-type or Likert scale data

Likert-type data is an ordinal data, therefore, non-parametric tests such as Mann Whitney-U test, Wilcoxon signed-rank test, Kruskal-Wallis test should be used in lieu of parametric tests. Likert scale data, on the other hand, are analysed as interval data. and analysis that can be performed includes mean for central tendency, standard deviations for variability, Pearson's r for bivariate analysis, t-test and ANOVA for comparing group means, and regression procedures for associations. For Likert-type data mode or median is used for measuring central tendency and frequencies for variability. Analysis appropriate for ordinal scale items that includes the chi-square measure of association, Kendall Tau B, and Kendall Tau C. The dispute over the use of parametric versus non-parametric methods for the analysis of Likert scale ordinal data has raged for the past eight decades is discussed fully and suggested the right one. Focuses on validity, reliability and analysis of the Likert Scale

Pictorial display of several ways in which statistical data may be presented pictorially such as different types of graphs and diagrams is covered. Demonstration for Calculating Descriptive Statistics, Chi-Square Goodness-of-Fit, Mann-Whitney U Test, Sign Test, Wilcoxon-Mann-Whitney test and Cronbach's alpha with examples using SPSS.

Results indicate that the two sample t-test and the Mann-Whitney test were robust for Likert-type data. Also the t-test performed the best to control of Type I error for both 5-point and 7-point Likert scale. For the Kolmogorov-Smirnov test, the Type I error rate was not controlled for all circumstances. This means the testing procedure computed from R was not robust for the ordinal Likert-type data because the Type I error rate of this test was lower than the minimum of the robustness criteria. Therefore, the Kolmogorov-Smirnov test was quite conservative. For the statistical power of the test, the Mann-Whitney test was the most powerful for most of the distributions, especially under highly skewed and bimodal distributions. The t-test obtained high statistical power or close to the power from the Man-Whitney test under the uniform, moderate skewed or symmetric distribution with large location shift.

In Analysing Quantitative Survey Data, Jeremy Dawson introduces you to the key

elements of analysing quantitative survey data using classical test theory, the measurement theory that underlies the techniques described in the book. The methodological assumptions, basic components and strengths and limitations of this analysis are explained and with the help of illustrative examples, you are guided through how to conduct the key procedures involved, including reliability analysis, exploratory and confirmatory factor analysis. Ideal for Business and Management students reading for a Master's degree, each book in the series may also serve as reference books for doctoral students and faculty members interested in the method. Part of SAGE's Mastering Business Research Methods Series, conceived and edited by Bill Lee, Mark N. K. Saunders and Vadake K. Narayanan and designed to support researchers by providing in-depth and practical guidance on using a chosen method of data collection or analysis. Watch the editors introduce the Mastering Business Research Methods series

Measuring the User Experience provides the first single source of practical information to enable usability professionals and product developers to effectively measure the usability of any product by choosing the right metric, applying it, and effectively using the information it reveals. Authors Tullis and Albert organize dozens of metrics into six categories: performance, issues-based, self-reported, web navigation, derived, and behavioral/physiological. They explore each metric, considering best methods for collecting, analyzing, and presenting the data. They provide step-by-step guidance for measuring the usability of any type of product using any type of technology. This book is recommended for usability professionals, developers, programmers, information architects, interaction designers, market researchers, and students in an HCI or HFE program. • Presents criteria for selecting the most appropriate metric for every case • Takes a product and technology neutral approach • Presents in-depth case studies to show how organizations have successfully used the metrics and the information they revealed

This volume provides a comprehensive summary of developments in theories and techniques within the areas of sampling, measurement, and statistical methods for analyzing behavioral data. By unifying new theories, techniques, methodologies, terminology, and language in behavioral observation research, the authors provide a comprehensive source for students and researchers. A user-friendly, hands-on guide to recognizing and conducting proper research techniques in data collection Offering a unique approach to numerical research methods, *Analyzing Quantitative Data: An Introduction for Social Researchers* presents readers with the necessary statistical applications for carrying out the key phases of conducting and evaluating a research project. The book guides readers through the steps of data analysis, from organizing raw data to utilizing descriptive statistics and tests of significance, drawing valid conclusions, and writing research reports. The author successfully provides a presentation that is accessible and hands-on rather than heavily theoretical, outlining the key quantitative processes and the use of software to successfully draw valid

conclusions from gathered data. In its discussion of methods for organizing data, the book includes suggestions for coding and entry into spreadsheets or databases while also introducing commonly used descriptive statistics and clarifying their roles in data analysis. Next, inferential statistics is explored in-depth with explanations of and instructions for performing chi-square tests, t-tests, analyses of variance, correlation and regression analyses, and a number of advanced statistical procedures. Each chapter contains explanations of when to use the tests described, relevant formulas, and sample computations. The book concludes with guidance on extracting meaningful conclusions from statistical tests and writing research reports that describe procedures and analyses.

Throughout the book, Statistical Resources for SPSS® sections provide fundamental instruction for using SPSS® to obtain the results presented. Where necessary, the author provides basic theoretical explanations for distributions and background information regarding formulas. Each chapter concludes with practice problems, and a related website features derivations of the book's formulas along with additional resources for performing the discussed processes. *Analyzing Quantitative Data* is an excellent book for social sciences courses on data analysis and research methods at the upper-undergraduate and graduate levels. It also serves as a valuable reference for applied statisticians and practitioners working in the fields of education, medicine, business and public service who analyze, interpret, and evaluate data in their daily work.

This book offers the first comprehensive yet critical overview of methods used to evaluate interaction between humans and social robots. It reviews commonly used evaluation methods, and shows that they are not always suitable for this purpose. Using representative case studies, the book identifies good and bad practices for evaluating human-robot interactions and proposes new standardized processes as well as recommendations, carefully developed on the basis of intensive discussions between specialists in various HRI-related disciplines, e.g. psychology, ethology, ergonomics, sociology, ethnography, robotics, and computer science. The book is the result of a close, long-standing collaboration between the editors and the invited contributors, including, but not limited to, their inspiring discussions at the workshop on Evaluation Methods Standardization for Human-Robot Interaction (EMSHRI), which have been organized yearly since 2015. By highlighting and weighing good and bad practices in evaluation design for HRI, the book will stimulate the scientific community to search for better solutions, take advantages of interdisciplinary collaborations, and encourage the development of new standards to accommodate the growing presence of robots in the day-to-day and social lives of human beings.

This updated volume provides insight into health services research, as well as the emerging areas of research and the tools required to perform scientific work. The book covers topics related to performance assessment, quality improvement, health care policy, and career development. New chapters on the evaluation of

non-technical skills in surgery, methods of enhancing causal inference in observational studies, and writing scientific manuscripts are also included. Health Services Research aims to give advice on how to obtain National Institutes of Health funding and other grants, as well as breaking through the barriers to developing a career in academic surgery. This book is relevant to surgical residents and young surgical faculty, as well as anyone undertaking a career in academic surgery.

The application of holistic optimization methods in the tourism, travel, and hospitality industry has improved customer service and business strategies within the field. By utilizing new technologies and optimization techniques, it is becoming easier to troubleshoot problematic areas within the travel industry. The Handbook of Research on Holistic Optimization Techniques in the Hospitality, Tourism, and Travel Industry features innovative technologies being utilized in the management of hotels and tourist attractions. Highlighting empirical research on the optimization of the travel and hospitality industry through the use of algorithms and information technology, this book is a critical reference source for managers, decision makers, executives, tourists, agents, researchers, economists, and hotel staff members.

The handling of numbers in arithmetic and the progression into the more abstract field of mathematics and statistics is generally approached poorly in our education system. The inadequacy is not necessarily in the teaching techniques or the books and other text used but rather in the attitude towards these subjects. These subjects are seen as something which has to be taught because it is part of a preordained curriculum rather than a set of tools which are available to help people live a fuller, more productive and more interesting life. It is so enlightening when one hears people say, "I thought that when I left school I was leaving all the maths stuff behind me!" or "I was bored witless by all those numbers and formulas [sic] that were forced down my throat." This book was written out of a frustration at seeing statistics taught through formal methods using large scale statistic software packages. It seemed to me that very little was learned by this process and quite often both the teachers and the students were in denial. It is true that the students were generally able to pick up enough knowledge to pass an examination or to complete a piece of research. But I seldom saw anything which could be regarded as deep learning and the little which had been learned did not stay for any length of time in the heads of these learners. I know people who have passed several university level courses in statistics and they can hardly recall never mind use any of what was taught to them.

This book highlights major quantitative and qualitative methods and approaches used in the field of urban analysis. The respective chapters cover the background and relevance of various approaches to urban studies and offer guidance on implementing specific methodologies. Each chapter also provides links to real-world examples. The book is unique in its focus on Australian examples and subject matter, presented by recognized experts in the field.

