

# Quantitative Data Analysis Doing Social Research To Test Ideas

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## **Analysing Quantitative Data for Business and Management**

**Students** - Charles Scherbaum 2015-02-12

In *Analysing Quantitative Data*, Charles A. Scherbaum and Kristen M. Shockley guide the reader through Understanding Quantitative Data Analysis, Basic Components of Quantitative Data Analysis, Conducting Quantitative Data Analysis, Examples of Quantitative Data Analysis and Conclusions. An appendix contains Excel Formulas. 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

*Analyzing Quantitative Data* - Debra Wetcher-Hendricks 2014-08-21

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.

**Selecting the Right Analyses for Your Data** - W. Paul Vogt 2014-05-19

"What are the most effective methods to code and analyze data for a particular study? This thoughtful and engaging book reviews the selection criteria for coding and analyzing any set of data--whether qualitative, quantitative, mixed, or visual. The authors systematically explain when to use verbal, numerical, graphic, or combined codes, and when to use qualitative, quantitative, graphic, or mixed-methods modes of analysis. Chapters on each topic are organized so that researchers can read them sequentially or can easily "flip and find" answers to specific questions. Nontechnical discussions of cutting-edge approaches--

illustrated with real-world examples--emphasize how to choose (rather than how to implement) the various analyses. The book shows how using the right analysis methods leads to more justifiable conclusions and more persuasive presentations of research results. Useful features for teaching or self-study: \*Chapter-opening preview boxes that highlight useful topics addressed. \*End-of-chapter summary tables recapping the 'dos and don'ts' and advantages and disadvantages of each analytic technique. \*Annotated suggestions for further reading and technical resources on each topic. Subject Areas/Keywords: analyses, coding, combined methods, data analysis, data collection, dissertation, graphical, interpretation, mixed methods, qualitative, quantitative, research analysis, research designs, research methods, social sciences, thesis, visual Audience: Researchers, instructors, and graduate students in a range of disciplines, including psychology, education, social work, sociology, health, and management; administrators and managers who need to make data-driven decisions"--

**Doing Survey Research** - Peter M. Nardi 2015-11-17

The significantly updated third edition of this short, practical book prepares students to write a questionnaire, generate a sample, conduct their own survey research, analyse data, and write up the results, while learning to read and interpret excerpts from published research. It combines statistics and survey research methods in a single book.

[Introduction to Quantitative Data Analysis in the Behavioral and Social Sciences](#) - Michael J. Albers 2017-04-03

Guides readers through the quantitative data analysis process including contextualizing data within a research situation, connecting data to the appropriate statistical tests, and drawing valid conclusions *Introduction to Quantitative Data Analysis in the Behavioral and Social Sciences* presents a clear and accessible introduction to the basics of quantitative data analysis and focuses on how to use statistical tests as a key tool for analyzing research data. The book presents the entire data analysis process as a cyclical, multiphase process and addresses the processes of exploratory analysis, decision-making for performing parametric or nonparametric analysis, and practical significance determination. In addition, the author details how data analysis is used to reveal the underlying patterns and relationships between the variables and connects those trends to the data's contextual situation. Filling the gap in quantitative data analysis literature, this book teaches the methods and thought processes behind data analysis, rather than how to perform the study itself or how to perform individual statistical tests. With a clear and conversational style, readers are provided with a better understanding of the overall structure and methodology behind performing a data analysis as well as the needed techniques to make informed, meaningful decisions during data analysis. The book features numerous data analysis examples in order to emphasize the decision and thought processes that are best followed, and self-contained sections throughout separate the statistical data analysis from the detailed discussion of the concepts allowing readers to reference a specific section of the book for immediate solutions to problems and/or applications. *Introduction to Quantitative Data Analysis in the Behavioral and Social Sciences* also features coverage of the following: • The overall methodology and research mind-set for how to approach quantitative data analysis and how to use statistics tests as part of research data analysis • A comprehensive understanding of the data, its connection to a research situation, and the most appropriate statistical tests for the data • Numerous data analysis problems and worked-out examples to illustrate the decision and thought processes that reveal underlying patterns and trends • Detailed examples of the main concepts to aid readers in gaining the needed skills to perform a full analysis of research problems • A conversational tone to effectively introduce readers to the basics of how to perform data analysis as well as make meaningful decisions during data analysis *Introduction to Quantitative Data Analysis*

in the Behavioral and Social Sciences is an ideal textbook for upper-undergraduate and graduate-level research method courses in the behavioral and social sciences, statistics, and engineering. This book is also an appropriate reference for practitioners who require a review of quantitative research methods. Michael J. Albers, Ph.D., is Professor in the Department of English at East Carolina University. His research interests include information design with a focus on answering real-world questions, the presentation of complex information, and human-information interaction. Dr. Albers received his Ph.D. in Technical Communication and Rhetoric from Texas Tech University. [Doing Quantitative Research in Education with SPSS](#) - Daniel Muijs 2010-12-10

This accessible and authoritative introduction is essential for education students and researchers needing to use quantitative methods for the first time. Using datasets from real-life educational research and avoiding the use of mathematical formulae, the author guides students through the essential techniques that they will need to know, explaining each procedure using the latest version of SPSS. The datasets can also be downloaded from the book's website, enabling students to practice the techniques for themselves. This revised and updated second edition now also includes more advanced methods such as log linear analysis, logistic regression, and canonical correlation. Written specifically for those with no prior experience of quantitative research, this book is ideal for education students and researchers in this field.

**Introduction to Social Research** - Keith F Punch 2013-11-19

In the new edition of *Introduction to Social Research*, Keith Punch takes a fresh look at the entire research process, from formulating a research question to writing up your research. Covering qualitative, quantitative and mixed methods, the book focuses on matching research questions to appropriate methods. Offering concise, balanced coverage, this book clearly explains the underlying principles of social research and shows you how to put this understanding into practice. The third edition includes: A new chapter on literature searching and reviewing Expanded coverage of ethics A new section on using the internet in research A range of additional student learning features A brand new companion website including full-text journal articles, additional case studies and video tutorials. Using a range of examples from student research and published work, the book is an ideal introduction for any social science student taking a research methods course or embarking on their own undergraduate or postgraduate research project. Available with Perusall—an eBook that makes it easier to prepare for class Perusall is an award-winning eBook platform featuring social annotation tools that allow students and instructors to collaboratively mark up and discuss their SAGE textbook. Backed by research and supported by technological innovations developed at Harvard University, this process of learning through collaborative annotation keeps your students engaged and makes teaching easier and more effective. Learn more.

**Quantitative Social Research Methods** - Kultar Singh 2007-03-07

*Quantitative Social Research Methods* explores the entire spectrum of quantitative social research methods and their application, with special reference to the development sector. It provides detailed coverage of all statistical research and analysis method with an emphasis on multivariate analysis techniques, such as regression discriminant analysis, logistic regression, factor, factor, cluster, correspondence and conjoint analysis. The book is thematically arranged in two sections: the first section introduces development research techniques, explores the genesis and scope of social research, research processes and then goes on to explain univariate, bivariate and multivariate data analysis with the help of software packages such as SPSS and STATA. The second focuses on the application of social and development research methods in the development sector. It explores research method application and the issues relevant to aspects of development such as population, health and nutrition, poverty and rural development, education, water and sanitation, and environment and natural resource management.

[Social Research Methods](#) - William Lawrence Neuman 2013-07-17

*Social Research Methods: Qualitative and Quantitative Methods 7e* is a highly regarded text that presents a comprehensive and balanced introduction to both qualitative and quantitative approaches to social research with an emphasis on the benefits of combining various approaches. New this edition: MyResearchKit--Social Research Methods 7E can be packaged with this text at no additional cost (ISBN: 0205751342) or purchased separately. MyResearchKit includes: \* Multiple-choice practice test questions\* Flashcards of key terms\* Short research exercises (previously in the workbook)\* Social Explorer: census data from 1790 - present\* A Social Research in the News blog\* Writing

tutorial: covers documenting sources, avoiding plagiarism, and various kinds of writing assignments (literature reviews, abstracts, research proposals, etc.)\*MySearchLab: a search engine for retrieving scholarly research articles from hundreds of academic journals

**Quantitative Social Science Data with R** - Brian J. Fogarty 2018-11-24

Relevant, engaging, and packed with student-focused learning features, this book provides the basic step-by-step introduction to quantitative research and data every student needs. Gradually introducing applied statistics and the language and functionality of R and R Studio software, it uses examples from across the social sciences to show students how to apply abstract statistical and methodological principles to their own work. Maintaining a student-friendly pace, it goes beyond a normal introductory statistics book and shows students where data originates and how to: - Understand and use quantitative data to answer questions - Approach surrounding ethical issues - Collect quantitative data - Manage, write about, and share the data effectively Supported by incredible digital resources with online tutorials, videos, datasets, and multiple choice questions, this book gives students not only the tools they need to understand statistics, quantitative data, and R software, but also the chance to practice and apply what they have learned.

*Interpreting Quantitative Data* - David Byrne 2002-04-11

How do quantitative methods help us to acquire knowledge of the real world? What are the 'do's' and 'don'ts' of effective quantitative research? This refreshing and accessible book provides students with a novel and useful resource for doing quantitative research. It offers students a guide on how to: interpret the complex reality of the social world; achieve effective measurement; understand the use of official statistics; use social surveys; understand probability and quantitative reasoning; interpret measurements; apply linear modelling; understand simulation and neural nets; and integrate quantitative and qualitative modelling in the research process. Jargon-free and written with the needs of students in mind, the book will be required reading for students interested in using quantitative research methods.

**Data Collection and Analysis** - Roger Sapsford 2006-03-29

In simple and non-technical terms, this text illustrates a wide range of techniques and approaches used in social research projects.

*Quantitative Data Analysis for Social Scientists* - Alan Bryman 1990-01-01

**Data Analysis for Social Science** - Elena Llaudet 2022-11-29

"Data analysis has become a necessary skill across the social sciences, and recent advancements in computing power have made knowledge of programming an essential component. Yet most data science books are intimidating and overwhelming to a non-specialist audience, including most undergraduates. This book will be a shorter, more focused and accessible version of Kosuke Imai's *Quantitative Social Science* book, which was published by Princeton in 2018 and has been adopted widely in graduate level courses of the same title. This book uses the same innovative approach as *Quantitative Social Science*, using real data and 'R' to answer a wide range of social science questions. It assumes no prior knowledge of statistics or coding. It starts with straightforward, simple data analysis and culminates with multivariate linear regression models, focusing more on the intuition of how the math works rather than the math itself. The book makes extensive use of data visualizations, diagrams, pictures, cartoons, etc., to help students understand and recall complex concepts, provides an easy to follow, step-by-step template of how to conduct data analysis from beginning to end, and will be accompanied by supplemental materials in the appendix and online for both students and instructors"--

[Quantitative Data Analysis Using Spss: An Introduction For Health And Social Sciences](#) - Greasley, Pete 2007-12-01

Designed for the complete novice, this title guides you through a sample analysis of survey data and shows you step-by-step how to use SPSS to complete it.

**Designing Social Research** - Ian Greener 2011-04-30

Using everyday jargon-free language, *Designing Social Research* guides you through the jungle of setting up a research study. Ian Greener provides guidance on how to practically plan your research and helps you to understand the underpinning methodological principles that should inform your decisions about the methods you plan to use. It will help you to assess the appropriateness of a range of methods and to understand the strengths and limitations of different approaches to research. Greener highlights key debates in the field, both philosophical and practical, and presents them in such a way that they remain constantly relevant to research practice. Coverage includes framing an

effective research question/problem; examining the jargon of social research; the links between theory, methodology and method; the role of literature reviewing in research design; managing and planning the research process; sampling; qualitative designs; quantitative designs; mixed methods designs and data analysis.

[The SAGE Encyclopedia of Communication Research Methods](#) - Mike Allen 2017-04-11

Communication research is evolving and changing in a world of online journals, open-access, and new ways of obtaining data and conducting experiments via the Internet. Although there are generic encyclopedias describing basic social science research methodologies in general, until now there has been no comprehensive A-to-Z reference work exploring methods specific to communication and media studies. Our entries, authored by key figures in the field, focus on special considerations when applied specifically to communication research, accompanied by engaging examples from the literature of communication, journalism, and media studies. Entries cover every step of the research process, from the creative development of research topics and questions to literature reviews, selection of best methods (whether quantitative, qualitative, or mixed) for analyzing research results and publishing research findings, whether in traditional media or via new media outlets. In addition to expected entries covering the basics of theories and methods traditionally used in communication research, other entries discuss important trends influencing the future of that research, including contemporary practical issues students will face in communication professions, the influences of globalization on research, use of new recording technologies in fieldwork, and the challenges and opportunities related to studying online multi-media environments. Email, texting, cellphone video, and blogging are shown not only as topics of research but also as means of collecting and analyzing data. Still other entries delve into considerations of accountability, copyright, confidentiality, data ownership and security, privacy, and other aspects of conducting an ethical research program. Features: 652 signed entries are contained in an authoritative work spanning four volumes available in choice of electronic or print formats. Although organized A-to-Z, front matter includes a Reader's Guide grouping entries thematically to help students interested in a specific aspect of communication research to more easily locate directly related entries. Back matter includes a Chronology of the development of the field of communication research; a Resource Guide to classic books, journals, and associations; a Glossary introducing the terminology of the field; and a detailed Index. Entries conclude with References/Further Readings and Cross-References to related entries to guide students further in their research journeys. The Index, Reader's Guide themes, and Cross-References combine to provide robust search-and-browse in the e-version.

[Quantitative Data Analysis](#) - Willem Mertens 2016-09-29

This book offers postgraduate and early career researchers in accounting and information systems a guide to choosing, executing and reporting appropriate data analysis methods to answer their research questions. It provides readers with a basic understanding of the steps that each method involves, and of the facets of the analysis that require special attention. Rather than presenting an exhaustive overview of the methods or explaining them in detail, the book serves as a starting point for developing data analysis skills: it provides hands-on guidelines for conducting the most common analyses and reporting results, and includes pointers to more extensive resources. Comprehensive yet succinct, the book is brief and written in a language that everyone can understand - from students to those employed by organizations wanting to study the context in which they work. It also serves as a refresher for researchers who have learned data analysis techniques previously but who need a reminder for the specific study they are involved in.

[Key Concepts in Social Research](#) - Geoff Payne 2004-03-18

'This clearly written and user-friendly book is ideal for students or researchers who wish to get a basic, but solid grasp of a topic and see how it fits with other topics. By following the links a student can easily and efficiently build up a clear conceptual map of social research' - Malcolm Williams, Reader in Sociology, Cardiff University 'This is a really useful book, written in an accessible manner for students beginning their study of social research methods. It is helpful both as an introductory text and as a reference guide for more advanced students. Most of the key topics in methods and methodology are covered and it will be suitable as a recommended text on a wide variety of courses' - Clive Seale, Brunel University At last, an authoritative, crystal-clear introduction to research methods which really takes account of the needs of students for accessible, focused information to help with

undergraduate essays and exams. The key concepts discussed here are based on a review of teaching syllabi and the authors' experience of many years of teaching. Topics range over qualitative and quantitative approaches and combine practical considerations with philosophical issues. They include several new topics, like internet and phone polling, internet searches, and visual methods. Each section is free-standing, can be tackled in order, but with links to other sections to enable students to cross-reference and build up a wider understanding of central research methods. To facilitate comprehension and aid study, each section begins with a definition. It is followed by a summary of key points with key words and guides to further reading and up-to-date examples. The book is a major addition to undergraduate reading lists. It is reliable, allows for easy transference to essays and exams and easy to use, and exceptionally clearly written for student consumption. The book answers the needs of all those who find research methods daunting, and for those who have dreamt of an ideal introduction to the subject.

[The Behavioral and Social Sciences](#) - National Research Council 1988-02-01

This volume explores the scientific frontiers and leading edges of research across the fields of anthropology, economics, political science, psychology, sociology, history, business, education, geography, law, and psychiatry, as well as the newer, more specialized areas of artificial intelligence, child development, cognitive science, communications, demography, linguistics, and management and decision science. It includes recommendations concerning new resources, facilities, and programs that may be needed over the next several years to ensure rapid progress and provide a high level of returns to basic research.

[Quantitative Data Analysis with SPSS 12 and 13](#) - Alan Bryman 2005

This text provides a non-technical approach to quantitative data analysis and a user-friendly introduction to SPSS. It takes the reader step-by-step through the techniques, reinforced by exercises.

[Social Research Methods](#) - Nicholas Walliman 2006-03-10

SAGE Course Companions are an exciting new series from SAGE offering students an insider's guide into how to make the most of their undergraduate courses and extend their understanding of key concepts covered in their course. Social Research Methods provides student readers with essential help with their research project, with revising for their course exams, preparing and writing course assessment materials, and enhancing and progressing their knowledge and thinking skills in line with course requirements on Research Methods courses. This Course Companion is designed to augment, rather than replace, existing textbooks for the course, and will provide: " Helpful summaries of the course curriculum to aid essay and project planning " Key summaries of the approach taken by the main Methods textbooks " Guidance on the essential study skills required " Help with developing critical thinking " Route-maps to aid the development of wider learning above and beyond the textbook " Pointers to success in course exams and written assessment exercises " A tutor's-eye view of what course examiners are looking for " An insider's view of what key course concepts are really all about SAGE Course Companions are much more than revision guides for undergraduate; they are an essential tool to taking your course learning and understanding to new levels and in new directions that are the key to success in undergraduate courses.

[Quantitative Social Science](#) - Kosuke Imai 2021-03-16

"Princeton University Press published Imai's textbook, Quantitative Social Science: An Introduction, an introduction to quantitative methods and data science for upper level undergrads and graduates in professional programs, in February 2017. What is distinct about the book is how it leads students through a series of applied examples of statistical methods, drawing on real examples from social science research. The original book was prepared with the statistical software R, which is freely available online and has gained in popularity in recent years. But many existing courses in statistics and data sciences, particularly in some subject areas like sociology and law, use STATA, another general purpose package that has been the market leader since the 1980s. We've had several requests for STATA versions of the text as many programs use it by default. This is a "translation" of the original text, keeping all the current pedagogical text but inserting the necessary code and outputs from STATA in their place"--

[Analysing Quantitative Data](#) - Raymond A Kent 2015-03-16

Lecturers, request your electronic inspection copy This innovative book provides a fresh take on quantitative data analysis within the social sciences. It presents variable-based and case-based approaches side-by-side encouraging you to learn a range of approaches and to understand which is the most appropriate for your research. Using two

multidisciplinary non-experimental datasets throughout, the book demonstrates that data analysis is really an active dialogue between ideas and evidence. Each dataset is returned to throughout the chapters enabling you to see the role of the researcher in action; it also showcases the difference between each approach and the significance of researchers' decisions that must be made as you move through your analysis. The book is divided into four clear sections: Data and their presentation Variable-based analyses Case-based analyses Comparing and combining approaches Clear, original and written for students this book should be compulsory reading for anyone looking to conduct non-experimental quantitative data analysis.

**The SAGE Handbook of Quantitative Methodology for the Social Sciences** - David Kaplan 2004-06-21

Quantitative methodology is a highly specialized field, and as with any highly specialized field, working through idiosyncratic language can be very difficult made even more so when concepts are conveyed in the language of mathematics and statistics. The Sage Handbook of Quantitative Methodology for the Social Sciences was conceived as a way of introducing applied statisticians, empirical researchers, and graduate students to the broad array of state-of-the-art quantitative methodologies in the social sciences. The contributing authors of the Handbook were asked to write about their areas of expertise in a way that would convey to the reader the utility of their respective methodologies. Relevance to real-world problems in the social sciences is an essential ingredient of each chapter. The Handbook consists of six sections comprising twenty-five chapters, from topics in scaling and measurement, to advances in statistical modelling methodologies, and finally to broad philosophical themes that transcend many of the quantitative methodologies covered in this handbook.

Doing Quantitative Research in the Social Sciences - Thomas R Black 1999-03-30

This original textbook provides a comprehensive and integrated approach to using quantitative methods in the social sciences. Thomas R Black guides the student and researcher through the minefield of potential problems that may be confronted, and it is this emphasis on the practical that distinguishes his book from others which focus exclusively on either research design and measurement or statistical methods. Focusing on the design and execution of research, key topics such as planning, sampling, the design of measuring instruments, choice of statistical text and interpretation of results are examined within the context of the research process. In a lively and accessible style, the student is introduced to research design issues alongside statistical procedures and encouraged to develop analytical and decision-making skills.

An Introduction to Data Analysis - Tiffany Bergin 2018-10-15

Covering the general process of data analysis to finding, collecting, organizing, and presenting data, this book offers a complete introduction to the fundamentals of data analysis. Using real-world case studies as illustrations, it helps readers understand theories behind and develop techniques for conducting quantitative, qualitative, and mixed methods data analysis. With an easy-to-follow organization and clear, jargon-free language, it helps readers not only become proficient data analysts, but also develop the critical thinking skills necessary to assess analyses presented by others in both academic research and the popular media. It includes advice on: - Data analysis frameworks - Validity and credibility of data - Sampling techniques - Data management - The big data phenomenon - Data visualisation - Effective data communication Whether you are new to data analysis or looking for a quick-reference guide to key principles of the process, this book will help you uncover nuances, complexities, patterns, and relationships among all types of data.

**Using Stata for Quantitative Analysis** - Kyle C. Longest 2014-07-02

Using Stata for Quantitative Analysis, Second Edition offers a brief, but thorough introduction to analyzing data with Stata software. It can be used as a reference for any statistics or methods course across the social, behavioral, and health sciences since these fields share a relatively similar approach to quantitative analysis. In this book, author Kyle Longest teaches the language of Stata from an intuitive perspective, furthering students' overall retention and allowing a student with no experience in statistical software to work with data in a very short amount of time. The self-teaching style of this book enables novice Stata users to complete a basic quantitative research project from start to finish. The Second Edition covers the use of Stata 13 and can be used on its own or as a supplement to a research methods or statistics textbook.

**Exploring Data** - Catherine Marsh 2009-01-27

The updated edition of this classic text introduces a range of techniques

for exploring quantitative data. Beginning with an emphasis on descriptive statistics and graphical approaches, it moves on in later chapters to simple strategies for examining the associations between variables using inferential statistics such as chi squared. The book has been substantially revised to include the most recent approaches to data analysis, and includes step-by-step instructions on using SPSS. All these techniques are illustrated with intriguing real examples, drawn from important social research over the past three decades, designed to illuminate significant sociological and political debates. The book shows how students can use quantitative data to answer various questions: Is it true that the rich are getting richer and the poor are getting poorer? Are crime rates really going down, and how can we tell? How much alcohol do men and women really drink in an average week? Which country in Europe has the highest average working hours? Readers are encouraged to explore data for themselves, and are carefully guided through the opportunities and pitfalls of using statistical packages, as well as the numerous data sources readily available online. Suitable for those with no previous experience of quantitative data analysis, the second edition of Exploring Data will be invaluable to students across the social sciences. Download answers to exercises in book.

**Quantitative Social Science** - Kosuke Imai 2018-02-09

An introductory textbook on data analysis and statistics written especially for students in the social sciences and allied fields Quantitative analysis is an increasingly essential skill for social science research, yet students in the social sciences and related areas typically receive little training in it—or if they do, they usually end up in statistics classes that offer few insights into their field. This textbook is a practical introduction to data analysis and statistics written especially for undergraduates and beginning graduate students in the social sciences and allied fields, such as economics, sociology, public policy, and data science. Quantitative Social Science engages directly with empirical analysis, showing students how to analyze data using the R programming language and to interpret the results—it encourages hands-on learning, not paper-and-pencil statistics. More than forty data sets taken directly from leading quantitative social science research illustrate how data analysis can be used to answer important questions about society and human behavior. Proven in the classroom, this one-of-a-kind textbook features numerous additional data analysis exercises and interactive R programming exercises, and also comes with supplementary teaching materials for instructors. Written especially for students in the social sciences and allied fields, including economics, sociology, public policy, and data science Provides hands-on instruction using R programming, not paper-and-pencil statistics Includes more than forty data sets from actual research for students to test their skills on Covers data analysis concepts such as causality, measurement, and prediction, as well as probability and statistical tools Features a wealth of supplementary exercises, including additional data analysis exercises and interactive programming exercises Offers a solid foundation for further study Comes with additional course materials online, including notes, sample code, exercises and problem sets with solutions, and lecture slides

**Social Research Methods** - H. Russell Bernard 2013

Bernard does an excellent job of not only showing how to practice research, but also provides a detailed discussion of broader historical and philosophical contexts that are important for understanding research.

Quantitative Data Analysis in Education - Paul Connolly 2007-08-07

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.

**Best Practices in Quantitative Methods** - Jason W. Osborne 2008

The contributors to *Best Practices in Quantitative Methods* envision quantitative methods in the 21st century, identify the best practices, and, where possible, demonstrate the superiority of their recommendations empirically. Editor Jason W. Osborne designed this book with the goal of providing readers with the most effective, evidence-based, modern quantitative methods and quantitative data analysis across the social and behavioral sciences. The text is divided into five main sections covering select best practices in Measurement, Research Design, Basics of Data Analysis, Quantitative Methods, and Advanced Quantitative Methods. Each chapter contains a current and expansive review of the literature, a case for best practices in terms of method, outcomes, inferences, etc., and broad-ranging examples along with any empirical evidence to show why certain techniques are better. Key Features: Describes important implicit knowledge to readers: The chapters in this volume explain the important details of seemingly mundane aspects of quantitative research, making them accessible to readers and demonstrating why it is important to pay attention to these details. Compares and contrasts analytic techniques: The book examines instances where there are multiple options for doing things, and make recommendations as to what is the "best" choice—or choices, as what is best often depends on the circumstances. Offers new procedures to update and explicate traditional techniques: The featured scholars present and explain new options for data analysis, discussing the advantages and disadvantages of the new procedures in depth, describing how to perform them, and demonstrating their use. Intended Audience: Representing the vanguard of research methods for the 21st century, this book is an invaluable resource for graduate students and researchers who want a comprehensive, authoritative resource for practical and sound advice from leading experts in quantitative methods.

[Adventures in Social Research](#) - Earl R. Babbie 2011

Click on the Supplements tab above for further details on the different versions of SPSS programs.

*Quantitative Data Analysis with Minitab* - Alan Bryman 2003-09-02

Quantitative data analysis is now a compulsory component of most degree courses in the social sciences and students are increasingly reliant on computers for the analysis of data. *Quantitative Data Analysis with Minitab* explains statistical tests for Minitab users using the same formulae free, non technical approach, as the very successful SPSS version. Students will learn a wide range of quantitative data analysis techniques and become familiar with how these techniques can be implemented through the latest version of Minitab. Techniques covered include univariate analysis (with frequency table, dispersion and histograms), bivariate (with contingency tables correlation, analysis of variance and non-parametric tests) and multivariate analysis (with multiple regression, path analysis, covariance and factor analysis). In addition the book covers issues such as sampling, statistical significance, conceptualisation and measurement and the selection of appropriate tests. Each chapter concludes with a set of exercises. Social science students will welcome this integrated, non mathematical introduction to quantitative data analysis and the minitab package.

[Using Narrative in Social Research](#) - Jane Elliott 2005-07-12

'Jane Elliott's examination of the use of "narrative" within the broad context of social science inquiry is a must-read for both qualitative and quantitative researchers, novice and expert alike' - *Journal of Advanced Nursing* 'This important book does an impressive job of synthesising a complex literature and bringing together both qualitative and quantitative methods of narrative analysis. It will become a milestone in the development of narrative methods. Although ground-breaking in many ways, it is very clearly written and accessible to readers from a wide variety of backgrounds and methodological experience' - Nigel Gilbert, University of Surrey 'An elegantly written, scholarly and accessible text. Jane Elliott shows a sophisticated appreciation of contemporary methodological developments, and makes a persuasive case for the use of narrative approaches in both qualitative and quantitative research. The book challenges and advances debates about combining methods, and shows how stories can work within and across conventional research boundaries. It is a truly original contribution to the literature' - Amanda Coffey, Cardiff School of Social Sciences 'An

outstanding book. Jane Elliott breaks new ground by demonstrating to new generations of social scientists how the power of narrative can fruitfully be harnessed in social research. This is a "must read" book' - Professor Mike Savage, University of Manchester This is a lucid and accessible introduction to narrative methods in social research. It is also an important book about the nature, role and theoretical basis of research methodology in general. Jane Elliott instructs the reader on the basic methods and methodological assumptions that form the basis of narrative methods. She does so in a way that is practical and accessible and in a way that will make the book a favourite with students and experienced researchers alike. Elliott argues that both qualitative and quantitative methods are characterised by a concern with narrative, and that our research data can best be analyzed if it is seen in narrative terms. In concrete, step-by-step terms she details for the reader how to go about collecting data and how to subject that data to narrative analysis, while at the same time placing this process in its wider theoretical context. She works across the traditional quantitative/qualitative divide to set out the ways in which narrative researchers can uncover such issues as social change, causality and social identity. She also shows how the techniques and skills used by qualitative researchers can be deployed when doing quantitative research and, similarly, how qualitative researchers can sometimes profit from using quantitative skills and techniques. "This book provides both a fascinating and a challenging read. What sets this text apart from other books on research methodology and methods is that it does not focus exclusively on either quantitative or qualitative research approaches, but rather attempts to bridge the divide. The book should be compulsory reading not only for those aspiring to undertake narrative research and those students undertaking higher degree research courses, but also for those more experienced researchers wishing to explore contemporary issues in research methods and methodology. As a recent recruit to a lecturer-practitioner post with little recent experience in the subject area covered by this book, I found it met my needs very well. I would certainly recommend this book for purchase." Dr Andrew Pettipher, University of Nottingham, UK.

**Analyzing Quantitative Data** - Norman Blaikie 2003-03-06

For social researchers who need to know what procedures to use under what circumstances in practical research projects, this book does not require an in-depth understanding of statistical theory.

**Quantitative Data Analysis** - Donald J. Treiman 2014-01-30

This book is an accessible introduction to quantitative data analysis, concentrating on the key issues facing those new to research, such as how to decide which statistical procedure is suitable, and how to interpret the subsequent results. Each chapter includes illustrative examples and a set of exercises that allows readers to test their understanding of the topic. The book, written for graduate students in the social sciences, public health, and education, offers a practical approach to making sociological sense out of a body of quantitative data. The book also will be useful to more experienced researchers who need a readily accessible handbook on quantitative methods. The author has posted stata files, updates and data sets at his website <http://tinyurl.com/Treiman-stata-files-data-sets>.

*Introduction to Quantitative Data Analysis in the Behavioral and Social Sciences* - Michael J. Albers 2017-02-21

Guides readers through the quantitative data analysis process including contextualizing data within a research situation, connecting data to the appropriate statistical tests, and drawing valid conclusions *Introduction to Quantitative Data Analysis in the Behavioral and Social Sciences* presents a clear and accessible introduction to the basics of quantitative data analysis and focuses on how to use statistical tests as a key tool for analyzing research data. The book presents the entire data analysis process as a cyclical, multiphase process and addresses the processes of exploratory analysis, decision-making for performing parametric or nonparametric analysis, and practical significance determination. In addition, the author details how data analysis is used to reveal the underlying patterns and relationships between the variables and connects those trends to the data's contextual situation. Filling the gap in quantitative data analysis literature, this book teaches the methods and thought processes behind data analysis, rather than how to perform the study itself or how to perform individual statistical tests. With a clear and conversational style, readers are provided with a better understanding of the overall structure and methodology behind performing a data analysis as well as the needed techniques to make informed, meaningful decisions during data analysis. The book features numerous data analysis examples in order to emphasize the decision and

thought processes that are best followed, and self-contained sections throughout separate the statistical data analysis from the detailed discussion of the concepts allowing readers to reference a specific section of the book for immediate solutions to problems and/or applications. Introduction to Quantitative Data Analysis in the Behavioral and Social Sciences also features coverage of the following:

- The overall methodology and research mind-set for how to approach quantitative data analysis and how to use statistics tests as part of research data analysis
- A comprehensive understanding of the data, its connection to a research situation, and the most appropriate statistical tests for the data
- Numerous data analysis problems and worked-out examples to illustrate the decision and thought processes that reveal underlying patterns and trends
- Detailed examples of the main concepts to aid readers in gaining the needed skills to perform a full analysis of research problems
- A conversational tone to effectively introduce readers to the basics of how to perform data analysis as well as make meaningful

decisions during data analysis

Introduction to Quantitative Data Analysis in the Behavioral and Social Sciences is an ideal textbook for upper-undergraduate and graduate-level research method courses in the behavioral and social sciences, statistics, and engineering. This book is also an appropriate reference for practitioners who require a review of quantitative research methods. Michael J. Albers, Ph.D., is Professor in the Department of English at East Carolina University. His research interests include information design with a focus on answering real-world questions, the presentation of complex information, and human-information interaction. Dr. Albers received his Ph.D. in Technical Communication and Rhetoric from Texas Tech University.

**Introduction to Social Research** - Keith F Punch 2005-04-23

'Introduction to Social Research' presents the essential elements of both qualitative and quantitative approaches for conducting empirical research in the social sciences.