

# Doing Quantitative Research In The Social Sciences An Integrated Approach To Research Design Measurement And Statistics

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## JENNINGS JONATHAN

*Practical Research Methods in Education* SAGE

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 researc design issues alongside statistical procedures

and encouraged to develop analytical and decision-making skills.

*Basic Quantitative Research Methods for Urban Planners* Routledge

This is a comprehensive guide to quantitative research, rooted in the author's own teaching and research. In particular, it challenges both the student who "does not do numbers" and the student who does nothing but numbers (and who therefore fails to interpret or challenge his/her results). The book shows how all educational researchers need to "do" quantitative research, even if only in the sense of reading other people's research findings. In fact, the book argues that the conventional distinction between primary and secondary research data is inadequate, since there is enormous need/opportunity for conducting research through using and reinterpreting secondary data. This leads to one of the main selling points of the book - Gorard's idea of the "idle researcher", who makes valuable contributions to the research literature by using data gathered by other researchers.

*Doing Quantitative Psychological Research* MIT Press

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.

*Doing Qualitative Research Using Your Computer* John Wiley & Sons

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, you'll 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.

[Doing Survey Research](#) Routledge

Available with free access to the interactive eBook\* for 12 months when you buy the paperback version (ISBN 9781446295311 only), this is the companion for any student undertaking a research project. Click on the icons in the margins of the eBook to access a wealth of resources including: Video Content Chapter introductions and top tips from the author along with tried and tested open access videos on YouTube introduce you to key chapter contents Datasets Play around with real data in SPSS and put your statistics knowledge into practice Weblinks Direct you to real world examples to broaden your knowledge Checklists Guide you through a specific research process such as running a focus group or conducting an interview Further Reading Link you to a range of resources to deepen your understanding of a topic However you access the content the Third Edition guides you smoothly through the research process from start to finish setting out the skills needed to design and conduct effective research and introduces the reader to the reality of conducting research in the real world. It gives practical advice on how best to select appropriate projects, design strategies, sources and methods and provides the tools needed to collect, analyze and present data. Applicable to any discipline and firmly rooted in the practicalities of research there are new and exciting chapters on: - Using SPSS for quantitative data analysis - Sampling strategies in quantitative and qualitative research - Approaches to secondary analysis - Using focus groups - Ethnography and participant observation (\*interactivity only available through VitalSource eBook) 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.

**UX Research** Routledge

Quantitative Research for the Qualitative Researcher is a concise, supplemental text that provides qualitatively oriented students and researchers with the requisite skills for conducting quantitative research. Throughout the book, authors Laura M. O'Dwyer and James A. Bernauer provide ample support and guidance to prepare readers both cognitively and attitudinally to conduct high quality research in the quantitative tradition. Highlighting the complementary nature of quantitative and qualitative research, they effectively explain the fundamental structure and purposes of design, measurement, and statistics within the framework of a research report, (including a dissertation). The text encourages the reader to see quantitative methodology for what it is—a process for systematically discovering new knowledge that can help describe, explain, and predict the world around us.

**Quantitative Research Methods for Linguists** SAGE

Applying every method in each of the book's modules opens a new dimension ripe with follow-up questions of the type "Why is this so?" The answers to this question may provide new insight and lead to the development of new theory.

[Doing Research to Improve Teaching and Learning](#) Bloomsbury Publishing

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.

**Doing Statistical Analysis** SAGE

For more than 40 years, SAGE has been one of the leading international publishers of works on quantitative research methods in the social sciences. This new collection provides readers with a

representative sample of the best articles in quantitative methods that have appeared in SAGE journals as chosen by W. Paul Vogt, editor of other successful major reference collections such as *Selecting Research Methods* (2008) and *Data Collection* (2010). The volumes and articles are organized by theme rather than by discipline. Although there are some discipline-specific methods, most often quantitative research methods cut across disciplinary boundaries. Volume One: *Fundamental Issues in Quantitative Research* Volume Two: *Measurement for Causal and Statistical Inference* Volume Three: *Alternatives to Hypothesis Testing* Volume Four: *Complex Designs for a Complex World*

[Doing Survey Research](#) SAGE Publications

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.

[Using Stata for Quantitative Analysis](#) SAGE

"The book provides a reference point for beginning educational researchers to grasp the most pertinent elements of designing and conducting research..." —Megan Tschannen-Moran, The College of William & Mary *Quantitative Research in Education: A Primer*, Second Edition is a brief and practical text designed to allay anxiety about quantitative research. Award-winning authors Wayne K. Hoy and Curt M. Adams first introduce readers to the nature of research and science, and then present the meaning of concepts and research problems as they dispel notions that quantitative research is too difficult, too theoretical, and not practical. Rich with concrete examples and illustrations, the Primer emphasizes conceptual understanding and the practical utility of quantitative methods while teaching strategies and techniques for developing original research hypotheses. The Second Edition includes suggestions for empirical investigation and features a new section on self-determination theory, examples from the latest research, a concluding chapter illustrating the practical applications of quantitative research, and much more. This accessible Primer is perfect for students and researchers who want a quick understanding of the process of scientific inquiry and who want to learn how to effectively create and test ideas.

[Quantitative Data Analysis](#) SAGE

An accessible and user-friendly guide to quantitative data analysis in educational research, aimed at those with little or no prior knowledge of statistical methods.

[Quantitative Psychological Research](#) Routledge

Online student resource material can be accessed under the 'Support Materials' tab at <https://www.routledge.com/9780367207939> *Doing Academic Research* is a concise, accessible, and tightly organized overview of the research process in the humanities, social sciences, and business. Conducting effective scholarly research can seem like a frustrating, confusing, and unpleasant experience. Early researchers often have inconsistent knowledge and experience, and can become overwhelmed – reducing their ability to produce high quality work. Rather than a book about research, this is a practical guide to doing research. It guides budding researchers along the process of developing an effective workflow, where to go for help, and how to actually complete the project. The book addresses diversity in abilities, interest, discipline, and ways of knowing by focusing not just on the process of conducting any one method in detail, but also on the ways in which someone might choose a research method and conduct it successfully. Finally, it emphasizes accessibility and approachability through real-world examples, key insights, tips, and tricks from active researchers. This book is a highly useful addition to both content area courses and research methods courses, as well as a practical guide for graduate students and independent scholars interested in publishing their research.

[SAGE Quantitative Research Methods](#) SAGE

This straightforward, student-friendly guide contains all the practical advice for successfully undertaking a research project, leading students through all the stages of the research process. The second edition of this no-nonsense textbook supports students in conducting their own research projects, whatever discipline they are from. Describing processes, tools and strategies in a simple, succinct way, it supports the reader carefully through the planning and design stages, to

implementation, analysis and completion. *Doing a Successful Research Project* is suitable for an interdisciplinary audience all over the world. It is aimed at undergraduate and postgraduate students undertaking a research project or dissertation across the social sciences, applied social sciences, education, health and business studies. It can also be used as essential or complimentary reading on modules on qualitative and quantitative research and research design."br/> New to this Edition: - Enhanced coverage of essential topics, including research ethics, the literature review and online methodologies - Increased coverage on quantitative methods - New up-to-date examples of real-life research studies - Broadened scope to encourage appeal to a wide range of academic disciplines

[Quantitative Data Analysis in Education](#) Taylor & Francis

A practical guide to using modern software effectively in quantitative research in the social and natural sciences. This book offers a practical guide to the computational methods at the heart of most modern quantitative research. It will be essential reading for research assistants needing hands-on experience; students entering PhD programs in business, economics, and other social or natural sciences; and those seeking quantitative jobs in industry. No background in computer science is assumed; a learner need only have a computer with access to the Internet. Using the example as its principal pedagogical device, the book offers tried-and-true prototypes that illustrate many important computational tasks required in quantitative research. The best way to use the book is to read it at the computer keyboard and learn by doing. The book begins by introducing basic skills: how to use the operating system, how to organize data, and how to complete simple programming tasks. For its demonstrations, the book uses a UNIX-based operating system and a set of free software tools: the scripting language Python for programming tasks; the database management system SQLite; and the freely available R for statistical computing and graphics. The book goes on to describe particular tasks: analyzing data, implementing commonly used numerical and simulation methods, and creating extensions to Python to reduce cycle time. Finally, the book describes the use of LaTeX, a document markup language and preparation system.

**Quantitative Research for the Qualitative Researcher** Routledge

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.

[Introduction to Quantitative Research Methods](#) Bloomsbury Publishing

*Quantitative Psychological Research: The Complete Student's Companion* expertly guides the reader through all the stages involved in undertaking quantitative psychological research: designing a study, choosing a sample of people, undertaking the study, analysing the data, and reporting the research. Accessibly written and clearly presented, the book is designed for anyone learning to conduct quantitative psychological research. It covers the full research process, from the original idea to reporting the completed study, emphasising the importance of looking beyond statistical significance in evaluating data. The book provides step-by-step guidance on choosing, interpreting and reporting the appropriate analysis, featuring worked examples and extended calculations as appendices for advanced readers. This edition features new chapters on exploratory factor analysis, logistic regression and Bayesian statistics, and has been thoroughly updated throughout to reflect the latest research practices. Care has been taken to avoid tying the book to any specific statistical software, providing readers with a thorough grounding in the basics no matter which package they go on to use. Whether you're at the beginning of your undergraduate degree or working towards your masters or doctorate, this book will be invaluable for anyone looking to understand how to conduct quantitative psychological research.

[Quantitative Research in Communication](#) SAGE Publications

*Introduction to Quantitative Research Methods* is a student-friendly introduction to quantitative research methods and basic statistics. It uses a detective theme throughout the text to show how quantitative methods have been used to solve real-life problems. The book focuses on principles and techniques that are appropriate to introductory level courses in media, psychology and

sociology. Examples and illustrations are drawn from historical and contemporary research in the social sciences. The original CD-ROM accompanying the book and its content are no longer available.

*Quantitative Health Research: Issues And Methods* SAGE

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.

[Quantitative Methods in Educational Research](#) Taylor & Francis

Approaching qualitative research for the first time and unsure how to get started? This book captures what you need to know to jump into effective qualitative or mixed methods research. The book gets you up to speed on the specifics of qualitative research, while showing how it complements quantitative research and how to draw on and hone your existing skills to conduct impactful research. It covers the whole research process, from explaining what theories are for and planning your research design, through gathering and working with your data, to developing good

practice in research reporting and dissemination. The book also: • Showcases the value of qualitative research, helping you understand its relevance, credibility and validity. • Grapples with how to decolonise your approach, do research in an ethical and inclusive way, and debias your thinking. • Challenges you to rethink how you conduct research and choose the most appropriate methods for your project. Giving you a fuller understanding of methods and methodologies to benefit your work regardless of the approach you choose, this book encourages you to discover the joy of qualitative research.

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