

Introduction To Health Research Methods A Practical Guide

Saks and Allsop's *Researching Health* offers a comprehensive introduction to research methods for health care students and practitioners. The new third edition includes important theoretical updates, and further international content, with contributors covering a number of specialisms and providing perspectives on core topics from the UK, Italy, Japan, New Zealand, Portugal, Canada, and Spain. There are 6 NEW chapters on: Principles of Health Research Methods of Sampling in Qualitative Health Research Qualitative Data Analysis and Health Research Researching Health Care Management Using Secondary Data Online Research in Health Disseminating and Evaluating Health Research The book is supported by case studies, end-of-chapter exercises, annotated further reading, and access to online resources for both students and lecturers, consisting of SAGE journal articles, web links, PowerPoint slides, and teaching notes for each chapter.

The second edition of *Introduction to Biostatistical Applications in Health Research* delivers a thorough examination of the basic techniques and most commonly used statistical methods in health research. Retaining much of what was popular with the well-received first edition, the thoroughly revised second edition includes a new chapter on testing assumptions and how to evaluate whether those assumptions are satisfied and what to do if they are not. The newest edition contains brand-new code examples for using the popular computer language R to perform the statistical analyses described in the chapters within. You'll learn how to use Excel to generate datasets for R, which can then be used to conduct statistical calculations on your data. The book also includes a companion website with a new version of BAHR add-in programs for Excel. This new version contains new programs for nonparametric analyses, Student-Newman-Keuls tests, and stratified analyses. Readers will also benefit from coverage of topics like: Extensive discussions of basic and foundational concepts in statistical methods, including Bayes' Theorem, populations, and samples A treatment of univariable analysis, covering topics like continuous dependent variables and ordinal dependent variables An examination of bivariable analysis, including regression analysis and correlation analysis An analysis of multivariate calculations in statistics and how testing assumptions, like assuming Gaussian distributions or equal variances, affect statistical outcomes Perfect for health researchers of all kinds, *Introduction to Biostatistical Applications in Health Research* also belongs on the bookshelves of anyone who wishes to better understand health research literature. Even those without a great deal of mathematical background will benefit greatly from this text.

Designed to empower new investigators to conduct their own original research projects, the third edition of *Introduction to Health Research Methods: A Practical Guide* leads the reader step-by-step in performing quantitative and qualitative research in medicine, public health, and other clinical and population health fields. This comprehensive text covers the entire research process from formulating a study question and selecting a study approach to collecting and analyzing data and then disseminating the findings. Chapters about methods for primary studies (collecting new data), secondary analyses (analyzing existing data), and tertiary studies (conducting literature reviews and meta-analyses) provide complete coverage of the scope of health research. By breaking the research process down into a series of achievable steps, this practical guide shows readers how they can contribute to improving the health of individuals and communities through research.

Struggling to do a project or dissertation, evaluate published research or conduct your own research? Help is at hand with this 5th edition of *Research Methods for Clinical Therapists*, which explains, in a clear and simple manner, how to evaluate existing research and how to conduct your own research. Aimed at undergraduate and postgraduate students, as well as the practising health care professional, the focus of the text is the design and analysis of experimental studies. These are vital to the effectiveness studies that are central to the work of the healthcare professional. Specific examples from different areas of healthcare are used to explain the core research concepts and relate them to clinical situations. Statistical theory and jargon are kept to a minimum. 'Key concept' boxes to explain technical research terms Activities and exercises (with answers provided in an appendix) to reinforce learning Sample critique of a published research article Comprehensive coverage of the key components of a robust research study Explanation of basic mathematical concepts Extended section on calculating sample sizes Guidelines on the preparation of posters Calculation of Inter-rater reliability measures, including Cohen's Kappa, ICC (interclass correlation) and Bland-Altman graphs of inter-rater agreement Introduction to Receiver Operating Characteristics, for use in screening and diagnostic testing against gold-standards The Thurstone Paired Comparison Technique, valuable in capturing the user voice on a variety of service planning, design and development issues Undertaking Systematic Reviews Relevant further reading for each chapter to support readers in their work.

Tailored for multiple purposes including learning about and being equipped to evaluate research studies, conducting thesis/dissertation/capstone projects, and publishing scientific results, *Epidemiologic Research Methods in Public Health Practice* covers the full breadth of epidemiologic study designs and topics (case, case-control, and cohort studies).

'If you are teaching postgraduate research methods courses, including those aimed at a mixture of psychologists and other health professionals, this book is worth considering as a core text' - John Hegarty, THES This textbook offers an excellent introduction to the variety of research methods used within the fields of clinical and health psychology. The book provides a detailed, yet concise, explanation of both qualitative and quantitative approaches and draws upon case-study examples to illustrate how these can be used in a variety of health-care settings, with special relevance to clinical disorders, disease prevention and health promotion. Key features of the book include: - A clear and concise narrative - Real-life case studies and examples drawn from clinical practice. - Revision questions in each chapter - Boxes, diagrams and tables to highlight key points - Chapter outlines, summaries and a glossary of useful terms to help students and researchers with independent study and learning. *Research Methods for Clinical and Health Psychology* fulfils the demand for a textbook explaining how qualitative and quantitative methods can be used explicitly in a health psychology context. It will be invaluable reading for clinical and health psychology students, trainees and practitioners, as well as those in nursing, medical and other healthcare departments taking an advanced psychology option.

Conducting Health Research: Principles, Process, and Methods presents an integrated and practical introduction to the principles and strategies for planning, implementing, reporting, and assessing health sciences research. Comprehensive in its breadth and depth, with an accessible writing style, this text prepares students in public health and related fields to be adept researchers and consumers of health research. Through real-world examples and step-by-step guidance, Frederick J. Kviz provides students with the skills they need to: identify and evaluate research strengths and limitations as practitioners; to actually perform the various core aspects of research; and to choose among alternative methods when making decisions about health practice, policy, and future research needs.

covers the use of measurement-based methods in which data is collected by measuring the properties and their variations in actual physical systems, simulation-based methods which work with models of systems or processes to describe, examine and analyze their behaviors, performances and operations, and data-driven methodologies in which data is collected via measurement or simulation to identify and examine the associations and patterns and predict the future in a targeted system. The book presents a survey of key methodologies in various specialized areas of building science and technology research including window systems, building enclosure, energy performance, lighting and daylighting, computational fluid dynamics, indoor and outdoor thermal comfort, and life cycle environmental impacts. Provides advanced insight into the research methods and presents the key methodologies within the field of building science and technology. Reviews simulation-based and experimentation/field-based methods of data collection and analysis in diverse areas of building science and technology, such as energy performance, window and enclosure studies, environmental LCA, daylighting, CFD, and thermal comfort. Provides a range of perspectives from building science faculty and researcher contributors with diverse research interests. Appropriate for use in university courses. A practical overview for health students and health professionals embarking on an applied research project using a qualitative approach. Successful Qualitative Health Research offers a thorough introduction to the field, written in a very clear and concise fashion. Emphasising the rigorous approach required in health research, it provides a step by step guide to designing a research project using qualitative methods, and to collecting, analysing and presenting different types of data. Hansen provides essential insights into the ideas and arguments underpinning different qualitative methods, and highlights the links between theory and practice. She also explains the importance of choosing the most appropriate form of data analysis. Each chapter features real life examples from experienced researchers from a wide range of health fields. These examples show how researchers have overcome common problems and offer inspiration and guidance. Applied qualitative research is increasingly being used to explore a range of issues in health, both on its own and as an adjunct to quantitative research. This book offers a clear, no-nonsense approach that will be invaluable to students and professionals in nursing, medicine, allied health and public health. 'I strongly recommend this book to all those looking to undertake ethical and rigorous qualitative research in the field of health and health care.' - Dr Jon Adams, Director, Qualitative Research Laboratory, Faculty of Health, University of Newcastle 'From thinking about theory to writing for publication, this text covers a massive amount of ground in a fresh and dynamic way. It will enthuse the beginner and refresh the old hand . . .' - Associate Professor Jane Gunn, Research Director, Department of General Practice, University of Melbourne

This book provides a user-friendly introduction to the qualitative methods most commonly used in the mental health and psychotherapy arena. Chapters are written by leading researchers and the editors are experienced qualitative researchers, clinical trainers, and mental health practitioners Provides chapter-by-chapter guidance on conducting a qualitative study from across a range of approaches Offers guidance on how to review and appraise existing qualitative literature, how to choose the most appropriate method, and how to consider ethical issues Demonstrates how specific methods have been applied to questions in mental health research Uses examples drawn from recent research, including research with service users, in mental health practice and in psychotherapy

Introduction to Research Methods: A Hands-On Approach makes learning research methods easy for students by giving them activities they can experience and do on their own. With clear, simple, and even humorous prose, this text offers students a straightforward introduction to an exciting new world of social science and behavioral research. Rather than making research seem intimidating, author Bora Pajo shows students how research can be an easy, ongoing conversation on topics that matter in their lives. Each chapter includes real research examples that illustrate specific topics that the chapter covers, guides that help students explore actual research challenges in more depth, and ethical considerations relating to specific chapter topics. 3 Reasons Why You'll Want to Read This Book 1. Conducting research can be fun when you see it in terms that relate to your everyday life. 2. Knowing how to do research will open many doors for you in your career. It will open your mind to new ideas on what you might pursue in the future (e.g., becoming an entrepreneur, opening your own nongovernmental organization, or running your own health clinic), and give you an extra analytic skill to brag about in your job interviews. 3. Understanding research will make you an educated consumer. You will be able to evaluate the information before you and determine what to accept and what to reject. Truth be told, understanding research will save you money in the short and long term*. *From Chapter 1 of Introduction to Research Methods: A Hands-On Approach

Whilst the 'health sciences' are a broad and diverse area, and includes public health, primary care, health psychology, psychiatry and epidemiology, the research methods and data analysis skills required to analyse them are very similar. Moreover, the ability to appraise and conduct research is emphasised within the health sciences – and students are expected increasingly to do both. Introduction to Research Methods and Data Analysis in the Health Sciences presents a balanced blend of quantitative research methods, and the most widely used techniques for collecting and analysing data in the health sciences. Highly practical in nature, the book guides you, step-by-step, through the research process, and covers both the consumption and the production of research and data analysis. Divided into the three strands that run throughout quantitative health science research – critical numbers, critical appraisal of existing research, and conducting new research – this accessible textbook introduces: Descriptive statistics Measures of association for categorical and continuous outcomes Confounding, effect modification, mediation and causal inference Critical appraisal Searching the literature Randomised controlled trials Cohort studies Case-control studies Research ethics and data management Dissemination and publication Linear regression for continuous outcomes Logistic regression for categorical outcomes. A dedicated companion website offers additional teaching and learning resources for students and lecturers, including screenshots, R programming code, and extensive self-assessment material linked to the book's exercises and activities.

