

Single Case And Small N Experimental Designs

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Single-Case Research Methods in Sport and Exercise Psychology Cengage Learning

Thanks to remarkable methodological and statistical advances in recent years, Single-Case design (SCD) research has become a viable and often essential option for researchers in applied psychology, education, and related fields. This text is a compendium of information and tools for researchers considering SCD research, a methodology in which one or several participants (or other units) comprise a systematically-controlled experimental intervention study. SCD is a highly flexible method of conducting applied intervention research where it is not feasible or practical to collect data from traditional groups of participants. Initial chapters lay out the key components of SCDs, from articulating dependent variables to documenting methods for achieving experimental control and selecting an appropriate design model. Subsequent chapters show when and how to implement SCDs in a variety of contexts and how to analyze and interpret results. Authors emphasize key design and analysis tactics, such as randomization, to help enhance the internal validity and scientific credibility of individual studies. This rich resource also includes in-depth descriptions of large-scale SCD research projects being undertaken at key institutions; practical suggestions from journal editors on how to get SCD research published; and detailed instructions for free, user-friendly, web-based randomization software.

Research Methods in Psychology Cengage Learning

An electrifying story of the sensational murder trial that divided a city and ignited the civil rights struggle In 1925, Detroit was a smoky swirl of jazz and speakeasies, assembly lines and fistfights. The

advent of automobiles had brought workers from around the globe to compete for manufacturing jobs, and tensions often flared with the KKK in ascendance and violence rising. Ossian Sweet, a proud Negro doctor-grandson of a slave-had made the long climb from the ghetto to a home of his own in a previously all-white neighborhood. Yet just after his arrival, a mob gathered outside his house; suddenly, shots rang out: Sweet, or one of his defenders, had accidentally killed one of the whites threatening their lives and homes. And so it began-a chain of events that brought America's greatest attorney, Clarence Darrow, into the fray and transformed Sweet into a controversial symbol of equality. Historian Kevin Boyle weaves the police investigation and courtroom drama of Sweet's murder trial into an unforgettable tapestry of narrative history that documents the volatile America of the 1920s and movingly re-creates the Sweet family's journey from slavery through the Great Migration to the middle class. Ossian Sweet's story, so richly and poignantly captured here, is an epic tale of one man trapped by the battles of his era's changing times. Arc of Justice is the winner of the 2004 National Book Award for Nonfiction.

The Oxford Handbook of Research Strategies for Clinical Psychology SAGE

Fully updated to reflect the latest developments, the third edition of Research Methods In Clinical Psychology offers a comprehensive introduction to the various methods, approaches, and strategies for conducting research in the clinical psychology field. Represents the most accessible, user-friendly introduction to conducting and evaluating research for clinical psychologists and related professionals Ideal for students and practitioners who wish to conduct their own research or gain a better understanding of published research Addresses important issues such as philosophical underpinnings of various methodologies, along with socio-political issues that arise in clinical and community settings Step-by-step guidance through all phases of a clinical psychology research project—from initial concept and groundwork, through to measurement, design, analysis, and interpretation Updates to this edition include new or expanded coverage of such topics as systematic review

and literature searching methods, modern psychometric methods, guidance on choosing between different qualitative approaches, and conducting psychological research via the Internet

Single-case and Small-n Experimental Designs Routledge

Single-Case Methods in Clinical Psychology: A Practical Guide provides a concise and easily-accessible introduction to single-case research. This is a timely response to the increasing awareness of the need to look beyond randomised controlled trials for evidence to support best practice in applied psychology. The book covers the issues of design, the reliability and validity of measurement, and provides guidance on how to analyse single-case data using both visual and statistical methods. Single-case designs can be used to investigate an individual's response to psychological intervention, as well as to contribute to larger scale research projects. This book illuminates the common principles behind these uses. It describes how standardised measures can be used to evaluate change in an individual and how to develop idiographic measures that are tailored to the needs of an individual. The issue of replication and generalising beyond an individual are examined, and the book also includes a section on the meta-analysis of single-case data. The critical evaluation of single-case research is examined, from both the perspective of developing quality standards to evaluate research and maintaining a critical distance in reviewing one's own work. Single Case Methods in Clinical Psychology will provide invaluable guidance to postgraduate psychologists training to enter the professions of clinical, health and counselling psychology and is likely to become a core text on many courses. It will also appeal to clinicians seeking to answer questions about the effectiveness of therapy in individual cases and who wish to use the method to further the evidence-base for specific psychological interventions.

Research Methods: A Modular Approach John Wiley & Sons

The bestselling author of No Logo shows how the global "free market" has exploited crises and shock for three decades, from Chile to Iraq In her groundbreaking reporting, Naomi Klein introduced the term "disaster capitalism." Whether covering Baghdad after the U.S. occupation, Sri Lanka in the wake of the tsunami, or New Orleans post-Katrina, she witnessed something

remarkably similar. People still reeling from catastrophe were being hit again, this time with economic "shock treatment," losing their land and homes to rapid-fire corporate makeovers. The Shock Doctrine retells the story of the most dominant ideology of our time, Milton Friedman's free market economic revolution. In contrast to the popular myth of this movement's peaceful global victory, Klein shows how it has exploited moments of shock and extreme violence in order to implement its economic policies in so many parts of the world from Latin America and Eastern Europe to South Africa, Russia, and Iraq. At the core of disaster capitalism is the use of cataclysmic events to advance radical privatization combined with the privatization of the disaster response itself. Klein argues that by capitalizing on crises, created by nature or war, the disaster capitalism complex now exists as a booming new economy, and is the violent culmination of a radical economic project that has been incubating for fifty years.

Handbook of Evidence-Based Practice in Clinical Psychology, Child and Adolescent Disorders SAGE Publications

What is single-case research? How can single-case methods be used within sport and exercise? Single-case research is a powerful method for examining change in outcome variables such as behaviour, performance and psychological constructs, and for assessing the efficacy of interventions. It has innumerable uses within the context of sport and exercise science, such as in the development of more effective performance techniques for athletes and sportspeople and in helping us to better understand exercise behaviours in clinical populations. However, the fundamental principles and techniques of single-case research have not always been clearly understood by students and researchers working in these fields. Single-Case Research Methods in Sport and Exercise Psychology is the first book to fully explain single-case research in the context of sport and exercise. Starting with first principles, the book offers a comprehensive introduction to the single-case research process, from study design to data analysis and presentation.

Including case studies and examples from across sport and exercise psychology, the book provides practical guidance for students and researchers and demonstrates the advantages and common pitfalls of single-case research for anybody working in applied or behavioural science in a sport or exercise setting. Research Methods in Psychology Amer Psychological Assn This text introduces readers to the history, epistemology, and strategies of single-case research design. The authors offer concrete information on how to observe, measure, and interpret change in relevant outcome variables and how to design strategies that promote causal inferences. Key Features Includes case vignettes on specific single-case designs Describes clinical and applied case studies Draws on multiple examples of single-case designs from published journals across a wide range of disciplines Covers recent developments in applied research, including meta-analysis and the distinction between statistical and clinical significance Provides pedagogical tools to help readers master the material, including a glossary, interim summaries, end-of-chapter review questions, and activities that encourage active processing of material. Intended Audience This text is intended for students and practitioners in a variety of disciplines—including psychology, nursing, physical therapy, and occupational therapy—who are increasingly called upon to document the effectiveness of interventions. Single-case Research Design and Analysis Routledge This book focuses on one important aspect of psychological research -- the intensive study of people measured one or more at a time. Some important historical material is detailed in several chapters making a strong connection to previous material in psychology. Several contributors present important details on classical and novel methods to study behavior over time, and they do so in the context of appropriate statistical methods. This appropriately reflects the growing interest in examining dynamic behaviors by objective measurement. Key experimental design principles are expertly stated, reflecting the growing interest in studying the individual course of development for invariants in behaviors, including some unusual constructs such as cycles and punctuated equilibria. This book also deals with practical contemporary problems in psychology and documents the increased possibility of using clinical research tools. Taken as a whole, this volume is filled with interesting historical

points, informative mathematical and statistical analyses, and practical methods. It is the only book addressing the issues of meta-analysis, cyclicity, and confounds to visual inspection of single subject data that considers ways in which statistical software can aid in overcoming these constraints.

Conducting Necessary Condition Analysis for Business and Management Students Oxford University Press RESEARCH METHODS AND STATISTICS: A CRITICAL THINKING APPROACH, 5th Edition, successfully illustrates the integration between statistics and research methods by demonstrating the ways to use statistics in analyzing data collected during research. Jackson's combined text adopts an inviting narrative style that speaks directly to students and draws them into the material, helping them overcome the initial apprehension they may feel at having to learn both subject areas at once. Focusing on the logic of the process and the methodology aspect of research, Jackson incorporates a student-friendly critical-thinking approach and presents examples and exercises to which students can relate. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Small Clinical Trials National Academies Press Handbook of Evidence-Based Practice in Clinical Psychology, Volume 1 covers the evidence-based practices now identified for treating children and adolescents with a wide range of DSM disorders. Topics include fundamental issues, developmental disorders, behavior and habit disorders, anxiety and mood disorders, and eating disorders. Each chapter provides a comprehensive review of the evidence-based practice literature for each disorder and then covers several different treatment types for clinical implementation. Edited by the renowned Peter Sturmey and Michel Hersen and featuring contributions from experts in the field, this reference is ideal for academics, researchers, and libraries. Research Design in Political Science John Wiley & Sons Print+CourseSmart

Design and Analysis of Single-Case Research MIT Press This book reports on recent advances in software engineering research and practice. Divided into 15 chapters, it addresses: languages and tools; development processes; modelling, simulation and verification; and education. In the first category, the book includes chapters on domain-specific languages, software complexity, testing and tools. In the second, it reports on test-driven development, processing of business rules, and software management. In turn, subsequent

chapters address modelling, simulation and verification of real-time systems, mobile systems and computer networks, and a scrum-based framework. The book was written by researchers and practitioners, the goal being to achieve a synergistic combination of research results achieved in academia and best practices used in the industry, and to provide a valuable reference guide for both groups.

Case Studies and Theory Development in the Social Sciences Routledge

We shall examine the validity of 16 experimental designs against 12 common threats to valid inference. By experiment we refer to that portion of research in which variables are manipulated and their effects upon other variables observed. It is well to distinguish the particular role of this chapter. It is not a chapter on experimental design in the Fisher (1925, 1935) tradition, in which an experimenter having complete mastery can schedule treatments and measurements for optimal statistical efficiency, with complexity of design emerging only from that goal of efficiency. Insofar as the designs discussed in the present chapter become complex, it is because of the intransigency of the environment: because, that is, of the experimenter's lack of complete control.

Single-case and Small-n Experimental Designs

Ravenio Books

Written in an accessible and jargon-free style, this book provides a comprehensive, student-friendly guide to the nature and use of case study research. Whether as part of a more substantial study or as the foundation for a self-contained smaller project, case studies provide viable and valuable alternatives to conducting large-scale research. Grounded in both theory and practice, this book sets out not only the key debates and ethical issues surrounding case study research, but also focuses specifically on the work of others and how you can understand, use, and write about secondary data as the basis for your own research project. With tips, examples, and extensive discussion of real-world case studies from a variety of social science and other disciplines, Tight illustrates the kinds of research to which case studies can be applied. Topics include: Types of

case studies Advantages and disadvantages to using case studies The meaning and value of case study research The use of case studies in different disciplines and research designs Whether you want to know how to access and use the case studies of others or understand the methods behind conducting your own case study research, this book will take you through every step of the process!

Case Study Method Psychology Press

The Oxford Handbook of Research Strategies for Clinical Psychology has recruited some of the field's foremost experts to explicate the essential research strategies currently used across the modern clinical psychology landscape that maximize both scientific rigor and clinical relevance.

Foundations of Forensic Vocational Rehabilitation SAGE When embarking on a new research project students face the same core research design issues. This volume provides readers with practical guidelines for both qualitative and quantitative designs, discusses the typical trade-offs involved in choosing them and is rich in examples from actual research.

The Way of All Flesh SAGE Publications

Electronic Inspection Copy available for instructors here Test Yourself: Research Methods and Design in Psychology provides essential learning and practice through assessment for psychology students. It enables year 1 and 2 undergraduates to assess their confidence and competence and tackle the types of questions they will face in their formal university assessments. The book includes over 200 multiple-choice and extended multiple-choice questions, designed to assess depth of knowledge. At the end of each chapter sample essay questions are provided, plus further guidance, to complement the multiple-choice questions and further test understanding. Information is provided to help students make sense of their results and identify strengths and weaknesses.

Research Methods, Statistics, and Applications Routledge

This book is a practical resource designed for clinicians, researchers, and advanced students who wish to learn about single-case research designs. It covers the theoretical and methodological underpinnings of single-case designs, as well as their practical application in the clinical and research neurorehabilitation setting. The

book briefly traces the history of single-case experimental designs (SCEDs); outlines important considerations in understanding and planning a scientifically rigorous single-case study, including internal and external validity; describes prototypical single-case designs (withdrawal-reversal designs and the medical N-of-1 trial, multiple-baseline designs, alternating-treatments designs, and changing-criterion designs) and required features to meet evidence standards, threats to internal validity, and strategies to address them; addresses data evaluation, covering visual analysis of graphed data, statistical techniques, and clinical significance; and provides a practical ten-step procedure for implementing single-case methods. Each chapter includes detailed illustrative examples from the neurorehabilitation literature. Novel features include: A focus on the neurorehabilitation setting, which is particularly suitable for single-case designs because of the complex and often unique presentation of many patients/clients. A practical approach to the planning, implementation, data analysis, and reporting of single-case designs. An appendix providing a detailed summary of many recently published SCEDs in representative domains in the neurorehabilitation field, covering basic and instrumental activities of daily living, challenging behaviours, disorders of communication and cognition, mood and emotional functions, and motor-sensory disabilities. It is valuable reading for clinicians and researchers in several disciplines working in rehabilitation, including clinical and neuropsychology, education, language and speech pathology, occupational therapy, and physical therapy. It is also an essential resource for advanced students in these fields who need a textbook for specialised courses on research methodology and use of single-case design in applied clinical and research settings.

Single-case Intervention Research Henry Holt and Company "Randomization tests are not a new idea, but they only became really useful after the advent of fast computing. Making randomization tests accessible to many more potential users by providing the means to use them within familiar statistical software, this book serves as an introduction and provides macros to perform in the familiar environments of SPSS and Excel. Though we expect that the book will still appeal to researchers, we believe the changes in the new edition will make the book an essential aidfor

graduate and senior undergraduate courses in statistics, data analysis, and/or research methods, taught in departments of psychology (especially clinical or counseling psychology), medicine, nursing, and other health and social sciences"--

Randomization Tests Routledge

This is the most comprehensive guide to the current uses and importance of case study methods in social research. The editors bring together key contributions from the field which reflect different interpretations of the purpose and capacity of case study research. The address issues such as: the problem of generalizing from study of a small number of cases; and the role of case study in developing and testing theories. The editors offer in-depth assessments of the main arguments. An annotated bibliography of the literature dealing with case study research makes this an exhaustive and indispensable guide. `This is a worthwhile book which will be useful to readers. It collects together key sources on a topic which is a "hardy perennial", guaranteeing its relevance for academics, researchers, and students on higher level methods programmes. The editorial contributions are by well-known authorities in the field, are carefully-constructed, and take a clear position. I would certainly want this book on my shelf' - Nigel Fielding, University of Surrey