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Research Methods for Public Administrators *Routledge* Research Methods for Public Administrators contains a thorough overview of research methods and statistical applications for advanced undergraduate and graduate students, and practitioners. The material is based on established social science methods. Concepts and applications are discussed and illustrated with examples from actual research. The book covers research design, methods of data collection, instructions on formulating research plans, measurement, sampling procedures, and statistical applications from basic statistics to more advance techniques. The basics of conducting experiments, survey research, case studies, and focus groups are discussed. Data organization, management, and analysis are also covered, as are data analysis and hypothesis testing. Descriptive and inferential statistics are discussed and illustrated with examples. The book also includes a chapter on obtaining and analyzing secondary data (data already collected for other purposes) and a chapter on reporting and presenting research results to a variety of audiences. This is a general textbook written primarily for students of public administration and practitioners in public and not-for-profit organizations. It includes materials shown to be useful in gathering and assessing information for making decisions and implementing policies. The material is discussed at a level to be accessible and with enough detail to be useful. New to the seventh edition: Additional and expanded material on qualitative research, big data, metadata, literature reviews, and causal inference New material on experiments and experimental research New examples and case studies, including those dealing with public policy Expanded material on using computers for data management Information on new NSF and NIH ethics and protection of human subjects requirements for researchers New data sets and Power Point slides for each chapter. **The Scientific Use of Factor Analysis in Behavioral and Life Sciences** *Springer Science & Business Media* **Physical Fitness Research Digest Factor Analysis in Marketing** *Marketing Classics Press* **Statistics in Political and Behavioral Science Foundations of Factor Analysis** *CRC Press* Providing a practical, thorough understanding of how factor analysis works, Foundations of Factor Analysis, Second Edition discusses the assumptions underlying the equations and procedures of this method. It also explains the options in commercial computer programs for performing factor analysis and structural equation modeling. This long-awaited e **Exploratory Factor Analysis** *Oxford University Press* This book provides a non-mathematical introduction to the theory and application of Exploratory Factor Analysis. Among the issues discussed are the use of confirmatory versus exploratory factor analysis, the use of principal components analysis versus common factor analysis, and procedures for determining the appropriate number of factors. **Language An Easy Guide to Factor Analysis** *Routledge* Factor analysis is a statistical technique widely used in psychology and the social sciences. With the advent of powerful computers, factor analysis and other multivariate methods are now available to many more people. An Easy Guide to Factor Analysis presents and explains factor analysis as clearly and simply as possible. The author, Paul Kline, carefully defines all statistical terms and demonstrates step-by-step how to work out a simple example of principal components analysis and rotation. He further explains other methods of factor analysis, including confirmatory and path analysis, and concludes with a discussion of the use of the technique with various examples. An Easy Guide to Factor Analysis is the clearest, most comprehensible introduction to factor analysis for students. All those who need to use statistics in psychology and the social sciences will find it invaluable. Paul Kline is Professor of Psychometrics at the University of Exeter. He has been using and teaching factor analysis for thirty years. His previous books include Intelligence: the psychometric view (Routledge 1990) and The Handbook of Psychological Testing (Routledge 1992). **A Commission Report Metropolitan Organization : the St. Louis Case Multiple Task Performance** *CRC Press* This book deals with theories of multiple-task performance and focuses on learning and performance. It is primarily for professionals in human factors, psychology, or engineering who are interested in multiple-task performance but have no formal training in the area. **Methods for Business Analysis and Forecasting Text and Cases** *Wiley* Focusing on the principal methods for analysis and forecasting, the text is designed to fit two types of course design, the traditional approach for a technical course, or the approach frequently used in business courses. Examples, exercises, problems, and small and large cases are provided to fit into either or both approaches. An instructor's manual is available which includes solutions, author's notes of each case and possible alternatives, and the programs used by the author. **Cyril Burt Fraud Or Framed?** *Oxford University Press, USA* Widely regarded as Britain's most eminent educational psychologist, Sir Cyril Burt (1883-1971) was, within five years of his death, publicly denounced as a fraud who had fabricated data to show that intelligence is inherited. This volume contains seven contributions examining Burt's work and concluding that both Burt's defenders and accusers missed crucial evidence. Annotation copyright by Book News, Inc., Portland, OR **Violence Against Children Physical Child Abuse in the United States** Studies the incidence of and reaction to the physical abuse of children in America during 1967 and 1968. Bibliogs **Designing Optimal Strategies for Mineral Exploration** *Springer Science & Business Media* Few knowledgeable people would deny that the field of mineral exploration is facing some difficult times in the foreseeable future. Among the woes, we can cite a worldwide economic uneasiness reflected by sluggish and at times widely fluctuating metal prices, global financial uncertainties, and relentless pressures on costs despite a substantial slowing down of the rate of inflation. Furthermore, management is forced to tum to more sophisticated and expensive technologies and to look farther afield to more remote regions, as the better quality and more easily accessible ore deposits have now been revealed. This rather gloomy outlook should persuade explorationists to cast about for a new philosophy with which to guide mineral exploration through the challenging decades ahead. Once already, in the early 1960s, a call for change had been heard (Ref. 30 in Chapter 1), when it became obvious that the prospecting methods of yesteryear, so successful in the past, could not keep up with the rapidly growing demand for minerals of the postwar period. The answer, a massive introduction of sophisticated geophysical and geochemical technologies backed by new geo logical models, proved spectacularly successful throughout the 1960s and the 1970s. But for both economic and technological reasons, the brisk pace of the last two decades has considerably slowed down in the early 1980s, as if a new threshold has been reached. **Comprehensive Chemometrics Chemical and Biochemical Data Analysis** *Elsevier* Comprehensive Chemometrics, Second Edition features expanded and updated coverage, along with new content that covers advances in the field since the previous edition published in 2009. Subject of note include updates in the fields of multidimensional and megavariate data analysis, omics data analysis, big chemical and biochemical data analysis, data fusion and sparse methods. The book follows a similar structure to the previous edition, using the same section titles to frame articles. Many chapters from the previous edition are updated, but there are also many new chapters on the latest developments. Presents integrated reviews of each chemical and biological method, examining their merits and limitations through practical examples and extensive visuals Bridges a gap in knowledge, covering developments in the field since the first edition published in 2009 Meticulously organized, with articles split into 4 sections and 12 sub-sections on key topics to allow students, researchers and professionals to find relevant information quickly and easily Written by academics and practitioners from various fields and regions to ensure that the knowledge within is easily understood and applicable to a large audience Presents integrated reviews of each chemical and biological method, examining their merits and limitations through practical examples and extensive visuals Bridges a gap in knowledge, covering developments in the field since the first edition published in 2009 Meticulously organized, with articles split into 4 sections and 12 sub-sections on key topics to allow students, researchers and professionals to find relevant information quickly and easily Written by academics and practitioners from various fields and regions to ensure that the knowledge within is easily understood and applicable to a large audience **A Step-by-Step Approach to Using SAS for Factor Analysis and Structural Equation Modeling, Second Edition** *SAS Institute* This easy-to-understand guide makes SEM accessible to all users. This second edition contains new material on sample-size estimation for path analysis and structural equation modeling. In a single user-friendly volume, students and researchers will find all the information they need in order to master SAS basics before moving on to factor analysis, path analysis, and other advanced statistical procedures. **Quantitative Ecological Analysis in the Social Sciences Principal Component Analysis** *Springer Science & Business Media* Principal component analysis is probably the oldest and best known of the It was first introduced by Pearson (1901), techniques ofmultivariate analysis. and developed independently by Hotelling (1933). Like many multivariate methods, it was not widely used until the advent of electronic computers, but it is now well entrenched in virtually every statistical computer package. The central idea of principal component analysis is to reduce the dimen sionality of a data set in which there are a large number of interrelated variables, while retaining as much as possible of the variation present in the data set. This reduction is achieved by transforming to a new set of variables, the principal components, which are uncorrelated, and which are ordered so that the first few retain most of the variation present in all of the original variables. Computation of the principal components reduces to the solution of an eigenvalue-eigenvector problem for a positive-semidefinite symmetrie matrix. Thus, the definition and computation of principal components are straightforward but, as will be seen, this apparently simple technique has a wide variety of different applications, as well as a number of different deri vations. Any feelings that principal component analysis is a narrow subject should soon be dispelled by the present book; indeed some quite broad topics which are related to principal component analysis receive no more than a brief mention in the final two chapters. **Human Factors In Consumer Products** *CRC Press* The design of consumer products has a central role in its potential for contributing to a healthier living and working space. However, too often consumers are only aware of the designers' role when bad practice manifestly exacerbates the easy application of basic functionality. This important book places human factors perspective firmly at the centre of good practice in consumer product design, encouraging rigorous human factors evaluation and methodology as an essential component of the design process. The book's central theme is to introduce human factors techniques to consumer product design and the efficacy of the approach is illustrated with several case studies from a diverse variety of products. Products addressed range from scissors to strimers, from pens to power tools, from kettles to cookers, from radio-cassettes to rucksacks, adn from razors to VCRs. Techniques brought to bear on the devices include: checklists, hierarchical task analysis, observations, interviews, error prediction, questionnaires, guidelines, focus groups, simulations and user trials. Key Features: * Foreword by Sean Blair of the Design Council * Valuable resource for professionals, academics and students in both human factors engineering and design * Fosters an approach which integrates the skills of both professions in a successful approach to consumer product design * Includes plenty of examples throughout the book **Zoologica Scientific Contributions of the New York Zoological Society Multivariate Analysis and Psychological Theory** *London ; New York : Academic Press* **Confirmatory Factor Analysis for Applied Research, Second Edition** *Guilford Publications* This accessible book has established itself as the go-to resource on confirmatory factor analysis (CFA) for its emphasis on practical and conceptual aspects rather than mathematics or formulas. Detailed, worked-through examples drawn from psychology, management, and sociology studies illustrate the procedures, pitfalls, and extensions of CFA methodology. The text shows how to formulate, program, and interpret CFA models using popular latent variable software packages (LISREL, Mplus, EQS, SAS/CALIS); understand the similarities ... **Data-text Primer An Introduction to Computerized Social Data Analysis** The project to develop DATA-TEXT is summarized in the preface and acknowledgements. **Applied Factor Analysis** *Northwestern University Press* **Revolutionary Organization Institution-building Within the People's Liberation Armed Forces** *Lexington, Mass ; Toronto : D.C. Heath, Lexington Books* **The Scientist as Adviser Careers, Values, and the Impact of Government Political Research** *New York : Basic Books* **Modern Radar Systems** *Artech House* This one-of-a-kind book features 536 illustrations (drawn in Maple V) that offer a greater understanding of various waveforms, and other two- and three-dimensional functions, to help you more accurately analyze radar system performance. The effects of pulse shaping on transmitter stability and spectra are discussed ? a

topic which is becoming more and more important in the age of electromagnetic compatibility. The book addresses the importance of low attenuation and reflection between the main radio frequency blocks, including the use of oversized waveguides for long runs. **Best Practices in Exploratory Factor Analysis** *Createspace Independent Pub* Best Practices in Exploratory Factor Analysis (EFA) is a practitioner-oriented look at this popular and often-misunderstood statistical technique. We avoid formulas and matrix algebra, instead focusing on evidence-based best practices so you can focus on getting the most from your data. Each chapter reviews important concepts, uses real-world data to provide authentic examples of analyses, and provides guidance for interpreting the results of these analysis. Not only does this book clarify often-confusing issues like various extraction techniques, what rotation is really rotating, and how to use parallel analysis and MAP criteria to decide how many factors you have, but it also introduces replication statistics and bootstrap analysis so that you can better understand how precisely your data are helping you estimate population parameters. Bootstrap analysis also informs readers of your work as to the likelihood of replication, which can give you more credibility. At the end of each chapter, the author has recommendations as to how to enhance your mastery of the material, including access to the data sets used in the chapter through his web site. Other resources include syntax and macros for easily incorporating these progressive aspects of exploratory factor analysis into your practice. The web site will also include enrichment activities, answer keys to select exercises, and other resources. The fourth "best practices" book by the author, Best Practices in Exploratory Factor Analysis continues the tradition of clearly-written, accessible guides for those just learning quantitative methods or for those who have been researching for decades. NEW in August 2014! Chapters on factor scores, higher-order factor analysis, and reliability. Chapters: 1 INTRODUCTION TO EXPLORATORY FACTOR ANALYSIS 2 EXTRACTION AND ROTATION 3 SAMPLE SIZE MATTERS 4 REPLICATION STATISTICS IN EFA 5 BOOTSTRAP APPLICATIONS IN EFA 6 DATA CLEANING AND EFA 7 ARE FACTOR SCORES A GOOD IDEA? 8 HIGHER ORDER FACTORS 9 AFTER THE EFA: INTERNAL CONSISTENCY 10 SUMMARY AND CONCLUSIONS **Occupational Analysis and Group Process - E-Book** *Elsevier Health Sciences* Get the best instruction on occupational analysis, group process, and therapeutic media – all from one book! Using a matter-of-fact style to share their experiences, successes, and failures, expert authors Jane Clifford O'Brien and Jean W. Solomon provide you with effective therapeutic media; sample activity analyses useful in current health care contexts; practical guidance in play, leisure, and social participation areas of occupation; strategies for effective group management and processes; and overviews of theories supporting best practice. Comprehensive content covers the material taught in group process and occupational analysis courses thoroughly and completely for the OTA. Logically organized content that's written in a matter-of-fact style helps you better understand and retain information. Clinical pearls emphasize the practical application of the information. Therapeutic Media are tried-and-true methods pulled from the author's extensive experience. **Confirmatory Factor Analysis** *Oxford University Press* Confirmatory Factor Analysis (CFA) is used for four major purposes: 1) psychometric evaluation of measures; 2) construct validation; 3) testing method effects; and 4) testing measurement invariance (e.g. across groups or populations). With an easy-to-follow overview of the method, step-by-step guide to creating a CFA model, and clear guideline to requirements for using CFA, this book will be ideally suited for readers who plan to conduct CFA analyses, but want a brief, non-technical introduction to the topic to get them started before getting into the more detailed and technical literature, as well as readers who do not plan to conduct CFA analyses, but want to be knowledgeable consumers of research literature that uses CFA. **Best Practices in Quantitative Methods** *SAGE* 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. **Journal of the American Statistical Association JMR, Journal of Marketing Research Cluster Analysis for Researchers** *Lulu.com* Back in print at a good price. To see the many websites referencing this book, in Google enter "cluster analysis" (in quotes) and Romesburg. Headlines of 5-star reviews on Amazon.com: "A very clear 'how to' book on cluster analysis" (C. Fielitz, Bristol, TN); "An excellent introduction to cluster analysis" (T. W. Powell, Shreveport, LA). A recent (2004) review in Journal of Classification (21:279-283) says: "We should be grateful to the author for his insistence in bringing forth important issues, which have not got yet that level of attention they deserve. I wish this journal could devote more efforts in promoting the scientific inquiry and discussions of methodology of clustering in scientific research [as Cluster Analysis for Researchers does]." To see or search inside the book, go to www.google.com, type in the book's title, and click on it when it comes up (or copy and paste in your browser's window the following URL: http://print.google.com/print?isbn=1411606175). **Journal of Geological Education The Scientific Analysis of Personality and Motivation Elements of International Economics** *Springer Science & Business Media* Modern economies become more and more open and the external sector of an economy becomes more and more important. This textbook aims at clarify ing how an open economy functions, in particular at explaining the determi nants of international fiows of commodities and financial assets. It also aims at examining the effects of these fiows on the domestic and international econ omy and the possible policy acti.ons at the national and international level. Particular attention will be paid to the problems of international economic at both the commercial and monetary level. integration Students will be able to read and interpret the balance of payments of a country, evaluating the various types of balance, to explain the behaviour of commercial fiows in the light of the theories studied, to analyze fiows of financial assets according to interest-rate differentials and other elements, to study the forces that determine exchange rates and cause currency crises, to understand the reasons behind international economic integration such as the European Union, to evaluate the effects of national and international policies. **Applied Multivariate Statistics for the Social Sciences Analyses with SAS and IBM's SPSS, Sixth Edition** *Routledge* Now in its 6th edition, the authoritative textbook Applied Multivariate Statistics for the Social Sciences, continues to provide advanced students with a practical and conceptual understanding of statistical procedures through examples and data-sets from actual research studies. With the added expertise of co-author Keenan Pituch (University of Texas-Austin), this 6th edition retains many key features of the previous editions, including its breadth and depth of coverage, a review chapter on matrix algebra, applied coverage of MANOVA, and emphasis on statistical power. In this new edition, the authors continue to provide practical guidelines for checking the data, assessing assumptions, interpreting, and reporting the results to help students analyze data from their own research confidently and professionally. Features new to this edition include: NEW chapter on Logistic Regression (Ch. 11) that helps readers understand and use this very flexible and widely used procedure NEW chapter on Multivariate Multilevel Modeling (Ch. 14) that helps readers understand the benefits of this "newer" procedure and how it can be used in conventional and multilevel settings NEW Example Results Section write-ups that illustrate how results should be presented in research papers and journal articles NEW coverage of missing data (Ch. 1) to help students understand and address problems associated with incomplete data Completely re-written chapters on Exploratory Factor Analysis (Ch. 9), Hierarchical Linear Modeling (Ch. 13), and Structural Equation Modeling (Ch. 16) with increased focus on understanding models and interpreting results NEW analysis summaries, inclusion of more syntax explanations, and reduction in the number of SPSS/SAS dialogue boxes to guide students through data analysis in a more streamlined and direct approach Updated syntax to reflect newest versions of IBM SPSS (21) /SAS (9.3) A free online resources site at www.routledge.com/9780415836661 with data sets and syntax from the text, additional data sets, and instructor's resources (including PowerPoint lecture slides for select chapters, a conversion guide for 5th edition adopters, and answers to exercises). Ideal for advanced graduate-level courses in education, psychology, and other social sciences in which multivariate statistics, advanced statistics, or quantitative techniques courses are taught, this book also appeals to practicing researchers as a valuable reference. Pre-requisites include a course on factorial ANOVA and covariance; however, a working knowledge of matrix algebra is not assumed.