

SURVEY ERRORS AND SURVEY COSTS

ROBERT M. GROVES

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Survey Methodology Robert M. Groves, Floyd J. Fowler, Jr., Mick P. Couper, James M. Lepkowski, Eleanor Singer, Roger Tourangeau, 2009-07-14 Praise for the

First Edition The book makes a valuable contribution by synthesizing current research and identifying areas for future investigation for each aspect of the survey process Journal of the American Statistical Association Overall the high quality of the text material is matched by the quality of writing Public Opinion Quarterly it should find an audience everywhere surveys are being conducted Technometrics This new edition of Survey Methodology continues to provide a state of the science presentation of essential survey methodology topics and techniques The volume s six world renowned authors have updated this Second Edition to present newly emerging approaches to survey research and provide more comprehensive coverage of the major considerations in designing and conducting a sample survey Key topics in survey methodology are clearly explained in the book s chapters with coverage including sampling frame evaluation sample design development of questionnaires evaluation of questions alternative modes of data collection interviewing nonresponse post collection processing of survey data and practices for maintaining scientific integrity Acknowledging the growing advances in research and technology the Second Edition features Updated explanations of sampling frame issues for mobile telephone and web surveys New scientific insight on the relationship between nonresponse rates and nonresponse errors Restructured discussion of ethical issues in survey research emphasizing the growing research results on privacy informed consent and confidentiality issues The latest research findings on effective questionnaire development techniques The addition of 50% more exercises at the end of each chapter illustrating basic principles of survey design An expanded FAQ chapter that addresses the concerns that accompany newly established methods Providing valuable and informative perspectives on the most modern methods in the field Survey Methodology Second Edition is an ideal book for survey research courses at the upper undergraduate and graduate levels It is also an indispensable reference for practicing survey methodologists and any professional who employs survey research methods *Costs and Errors in Survey Sample Design* Eugene Borgida,1991

The Total Survey Error Approach Herbert F. Weisberg,2009-12-29 In 1939 George Gallup s American Institute of Public Opinion published a pamphlet optimistically titled The New Science of Public Opinion Measurement At the time though survey research was in its infancy and only now six decades later can public opinion measurement be appropriately called a science based in part on the development of the total survey error approach Herbert F Weisberg s handbook presents a unified method for conducting good survey research centered on the various types of errors that can occur in surveys from measurement and nonresponse error to coverage and sampling error Each chapter is built on theoretical elements drawn from specific disciplines such as social psychology and statistics and follows through with detailed treatments of the specific types of error and their potential solutions Throughout Weisberg is attentive to survey constraints including time and ethical considerations as well as controversies within the field and the effects of new technology on the survey process from Internet surveys to those completed by phone by mail and in person Practitioners and students will find this comprehensive guide particularly useful now that survey research has assumed a primary place in both public and

academic circles Total Survey Error in Practice Paul P. Biemer, Edith D. de Leeuw, Stephanie Eckman, Brad Edwards, Frauke Kreuter, Lars E. Lyberg, N. Clyde Tucker, Brady T. West, 2017-02-06 Featuring a timely presentation of total survey error TSE this edited volume introduces valuable tools for understanding and improving survey data quality in the context of evolving large scale data sets This book provides an overview of the TSE framework and current TSE research as related to survey design data collection estimation and analysis It recognizes that survey data affects many public policy and business decisions and thus focuses on the framework for understanding and improving survey data quality The book also addresses issues with data quality in official statistics and in social opinion and market research as these fields continue to evolve leading to larger and messier data sets This perspective challenges survey organizations to find ways to collect and process data more efficiently without sacrificing quality The volume consists of the most up to date research and reporting from over 70 contributors representing the best academics and researchers from a range of fields The chapters are broken out into five main sections The Concept of TSE and the TSE Paradigm Implications for Survey Design Data Collection and Data Processing Applications Evaluation and Improvement and Estimation and Analysis Each chapter introduces and examines multiple error sources such as sampling error measurement error and nonresponse error which often offer the greatest risks to data quality while also encouraging readers not to lose sight of the less commonly studied error sources such as coverage error processing error and specification error The book also notes the relationships between errors and the ways in which efforts to reduce one type can increase another resulting in an estimate with larger total error This book Features various error sources and the complex relationships between them in 25 high quality chapters on the most up to date research in the field of TSE Provides comprehensive reviews of the literature on error sources as well as data collection approaches and estimation methods to reduce their effects Presents examples of recent international events that demonstrate the effects of data error the importance of survey data quality and the real world issues that arise from these errors Spans the four pillars of the total survey error paradigm design data collection evaluation and analysis to address key data quality issues in official statistics and survey research Total Survey Error in Practice is a reference for survey researchers and data scientists in research areas that include social science public opinion public policy and business It can also be used as a textbook or supplementary material for a graduate level course in survey research methods

Measurement Errors in Surveys Paul P. Biemer, Robert M. Groves, Lars E. Lyberg, Nancy A. Mathiowetz, Seymour Sudman, 2011-09-20 WILEY INTERSCIENCE PAPERBACK SERIES The Wiley Interscience Paperback Series consists of selected books that have been made more accessible to consumers in an effort to increase global appeal and general circulation With these new unabridged softcover volumes Wiley hopes to extend the lives of these works by making them available to future generations of statisticians mathematicians and scientists This book will be an aid to survey statisticians and to research workers who must work with survey data Short Book Reviews International Statistical Institute Measurement

Errors in Surveys documents the current state of the field reports new research findings and promotes interdisciplinary exchanges in modeling assessing and reducing measurement errors in surveys Providing a fundamental approach to measurement errors the book features sections on the questionnaire respondents and responses interviewers and other means of data collection the respondent interviewer relationship and the effects of measurement errors on estimation and data analysis

Handbook of Survey Methodology for the Social Sciences Lior Gideon, 2012-06-21 Surveys enjoy great ubiquity among data collection methods in social research they are flexible in questioning techniques in the amount of questions asked in the topics covered and in the various ways of interactions with respondents Surveys are also the preferred method by many researchers in the social sciences due to their ability to provide quick profiles and results Because they are so commonly used and fairly easy to administer surveys are often thought to be easily thrown together But designing an effective survey that yields reliable and valid results takes more than merely asking questions and waiting for the answers to arrive Geared to the non statistician the Handbook of Survey Methodology in Social Sciences addresses issues throughout all phases of survey design and implementation Chapters examine the major survey methods of data collection providing expert guidelines for asking targeted questions improving accuracy and quality of responses while reducing sampling and non sampling bias Relying on the Total Survey Error theory various issues of both sampling and non sampling sources of error are explored and discussed By covering all aspects of the topic the Handbook is suited to readers taking their first steps in survey methodology as well as to those already involved in survey design and execution and to those currently in training Featured in the Handbook The Total Survey Error sampling and non sampling errors Survey sampling techniques The art of question phrasing Techniques for increasing response rates A question of ethics what is allowed in survey research Survey design face to face phone mail e mail online computer assisted Dealing with sensitive issues in surveys Demographics of respondents implications for future survey research Dealing with nonresponse and nonresponse bias The Handbook of Survey Methodology in Social Sciences offers how to clarity for researchers in the social and behavioral sciences and related disciplines including sociology criminology criminal justice social psychology education public health political science management and many other disciplines relying on survey methodology as one of their main data collection tools

The Oxford Handbook of Polling and Survey Methods Lonna Rae Atkeson, R. Michael Alvarez, 2018-07-25 The methodologies used to study public opinion are now in flux The primary polling method of the last half century the telephone survey is rapidly becoming obsolete as a data collection method At the same time new methods of contacting potential respondents and obtaining their response are appearing providing a variety of options for scholars and practitioners Generally speaking we are moving from a polling world that was largely interviewer driven over the phone and face to face to predominantly interviewer driven self administered poll environments New methods of data collection however must still deal with fundamental questions to polling methodology and total survey error including sampling selection bias non response error

poststratification weighting and questionnaire design features The Oxford Handbook on Polling and Survey Methods brings together a unique mixture of academics and practitioners from various backgrounds academic disciplines and experiences In some sense this is reflective of the interdisciplinary nature of the polling and survey industry polls and surveys are widely used in academia government and the private sector Designing implementing and analyzing high quality accurate and cost effective polls and surveys requires a combination of skills and methodological perspectives Despite the well publicized issues that have cropped up in recent political polling a great deal is known today about how to collect high quality polling and survey data even in complex and difficult environments Divided into four main sections the Handbook draws on the existing research and explores data collection methods It then addresses data analysis and the methods available for combining polling data with other types of data The next section covers analytic issues including the new approaches to studying public opinion ie social media the analysis of open ended questions using text analytic tools and data imputation The final section focuses on the presentation of polling results an area where there is a great deal of innovation A comprehensive overview of the topic this volume highlights current polling trends provides ideas for the development of new and better approaches for measuring modeling and visualizing public opinion and social behavior *Adaptive Survey Design* Barry Schouten, Andy Peytchev, James Wagner, 2017-07-28

Adaptive survey designs ASDs provide a framework for data driven tailoring of data collection procedures to different sample members often for cost and bias reduction People vary in how likely they are to respond and in how they respond This variation leads to opportunities to selectively deploy design features in order to control both nonresponse and measurement errors ASD aims at the optimal matching of design features and the characteristics of respondents given the survey budget Such a goal is sensible but ASD requires investment in more advanced technical systems and management infrastructure and asks for the collection of relevant auxiliary data So what are current best practices in ASD And is ASD worthwhile when the same auxiliary data are employed in the estimation afterwards In this book the authors provide answers to these questions and much more **Mixed-Mode Official Surveys**

Barry Schouten, Jan van den Brakel, Bart Buelens, Deirdre Giesen, Annemieke Luiten, Vivian Meertens, 2021-09-27 Mixed mode surveys have become a standard at many statistical institutes However the introduction of multiple modes in one design goes with challenges to both methodology and logistics Mode specific representation and measurement differences become explicit and demand for solutions in data collection design questionnaire design and estimation This is especially true when surveys are repeated and are input to long time series of official statistics So how can statistical institutes deal with such changes What are the origins of mode specific error And how can they be dealt with In this book the authors provide answers to these questions and much more Features Concise introduction to all the key elements of mixed mode survey design and analysis Realistic official statistics examples from three general population surveys Suitable for survey managers and survey statisticians alike An overview of mode specific representation and measurement errors and how to avoid reduce and adjust

them **Social Surveys** D. A. De Vaus, 2002 Proceedings of the Section on Survey Research Methods American Statistical Association. Survey Research Methods Section, 1994 **The Theory and Practice of Surveying** John Butler Johnson, 1910 The theory and practice of surveying, designed for the use of John Butler Johnson, 1910 **AMSTAT News**, 1989 **Measurement Errors in Surveys** Paul P. Biemer, 1991 WILEY INTERSCIENCE PAPERBACK SERIES The Wiley Interscience Paperback Series consists of selected books that have been made more accessible to consumers in an effort to increase global appeal and general circulation With these new unabridged softcover volumes Wiley hopes to extend the lives of these works by making them available to future generations of statisticians mathematicians and scientists This book will be an aid to survey statisticians and to research workers who must work with survey data Short Book Reviews International Statistical Institute Measurement Errors in Surveys documents the current state of the field reports new research findings and promotes interdisciplinary exchanges in modeling assessing and reducing measurement errors in surveys Providing a fundamental approach to measurement errors the book features sections on the questionnaire respondents and responses interviewers and other means of data collection the respondent interviewer relationship and the effects of measurement errors on estimation and data analysis **Survey Errors and Survey Costs** Robert M. Groves, 1989-07-27 The Wiley Interscience Paperback Series consists of selected books that have been made more accessible to consumers in an effort to increase global appeal and general circulation With these new unabridged softcover volumes Wiley hopes to extend the lives of these works by making them available to future generations of statisticians mathematicians and scientists Survey Errors and Survey Costs is a well written well presented and highly readable text that should be on every error conscious statistician's bookshelf Any courses that cover the theory and design of surveys should certainly have Survey Errors and Survey Costs on their reading lists Phil Edwards MEL Aston University Science Park UK Review in The Statistician Vol 40 No 3 1991 This volume is an extremely valuable contribution to survey methodology It has many virtues First it provides a framework in which survey errors can be segregated by sources Second Groves has skillfully synthesized existing knowledge bringing together in an easily accessible form empirical knowledge from a variety of sources Third he has managed to integrate into a common framework the contributions of several disciplines For example the work of psychometricians and cognitive psychologists is made relevant to the research of econometricians as well as the field experience of sociologists Finally but not least Groves has managed to present all this in a style that is accessible to a wide variety of readers ranging from survey specialists to policymakers Peter H Rossi University of Massachusetts at Amherst Review in Journal of Official Statistics January 1991 **Introduction to Survey Quality** Paul P. Biemer, Lars E. Lyberg, 2003-02-24 Table of contents
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