

# DESIGN, EVALUATION, AND ANALYSIS OF QUESTIONNAIRES FOR SURVEY RESEARCH

William E. Saris  
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Wiley Series in Survey Research Methodology



# Design Evaluation And Analysis Of Questionnaires For Survey Research

**Uwe Engel, Simone Bartsch, Christiane  
Schnabel, Helen Vehre**



## **Design Evaluation And Analysis Of Questionnaires For Survey Research:**

**Design, Evaluation, and Analysis of Questionnaires for Survey Research** Willem E. Saris, Irmtraud N. Gallhofer, 2014-04-14 Praise for the First Edition this book is quite inspiring giving many practical ideas for survey research especially for designing better questionnaires International Statistical Review Reflecting modern developments in the field of survey research the Second Edition of Design Evaluation and Analysis of Questionnaires for Survey Research continues to provide cutting edge analysis of the important decisions researchers make throughout the survey design process The new edition covers the essential methodologies and statistical tools utilized to create reliable and accurate survey questionnaires which unveils the relationship between individual question characteristics and overall question quality Since the First Edition the computer program Survey Quality Prediction SQP has been updated to include new predictions of the quality of survey questions on the basis of analyses of Multi Trait Multi Method experiments The improved program contains over 60 000 questions with translations in most European languages Featuring an expanded explanation of the usage and limitations of SQP 2.0 the Second Edition also includes New practice problems to provide readers with real world experience in survey research and questionnaire design A comprehensive outline of the steps for creating and testing survey questionnaires Contemporary examples that demonstrate the many pitfalls of questionnaire design and ways to avoid similar decisions Design Evaluation and Analysis of Questionnaires for Survey Research Second Edition is an excellent textbook for upper undergraduate and graduate level courses in methodology and research questionnaire planning as well as an ideal resource for social scientists or survey researchers needing to design evaluate and analyze questionnaires

**Design, Evaluation, and Analysis of Questionnaires for Survey Research** Willem E. Saris, Irmtraud N. Gallhofer, 2007-07-20 Features the essential methodologies and statistical tools for developing reliable and valid survey questionnaires Modern survey design requires the consideration of many variables that will ultimately impact the quality of the collected data Design Evaluation and Analysis of Questionnaires for Survey Research outlines the important decisions that researchers need to make throughout the survey design process and provides the statistical knowledge and innovative tools that are essential when approaching these choices Over fifteen years of survey design research has been referenced in order to conduct a meta analysis that not only unveils the relationship between individual question characteristics and overall questionnaire quality but also assists the reader in constructing a questionnaire of the highest relevance and accuracy Among the book's most outstanding features is its introduction of Survey Quality Prediction SQP a computer program that predicts the validity and accuracy of questionnaires based on findings from the meta analysis Co developed by the authors this one of a kind software is available via the book's related Web site and provides a valuable resource that allows researchers to estimate a questionnaire's level of quality before its distribution In addition to carefully outlining the criteria for high quality survey questions this book also Defines a three step procedure for generating questions that measure with high certainty the

concept defined by the researcher Analyzes and details the results of studies that used Multitrait Multimethod MTMM experiments to estimate the reliability and validity of questions Provides information to correct measurement error in survey results with a chapter focusing specifically on cross cultural research Features practical examples that illustrate the pitfalls of traditional questionnaire design Includes exercises that both demonstrate the methodology and help readers master the presented techniques Design Evaluation and Analysis of Questionnaires for Survey Research succeeds in illustrating how questionnaire design influences the overall quality of empirical research With an emphasis on a deliberate and scientific approach to developing questionnaires this book is an excellent text for upper level undergraduate or beginning graduate level survey research courses in business and the social sciences and it also serves as a self contained reference for survey researchers in any field *Design, Evaluation, and Analysis of Questionnaires for Survey Research, 2nd Edition* Willem Saris,Irmtraud Gallhofer,2014 Design Evaluation and Analysis of Questionnaires for Survey Research Second Edition explores updates on the statistical knowledge and development of survey questionnaires including analyzing the important decisions researchers make throughout the survey design process The new edition provides coverage of an updated SQP program which has an expanded question database from the Multi trait Multi method MTMM experiments This book aims to give students and survey researchers a state of the art introduction to questionnaire design and how to construct questionnaires with the highest relevance and accuracy The pitfalls of questionnaire design are outlined throughout the book which alerts designers of questionnaires to the many prior decisions that will affect the quality of the research outcome It is important to measure the quality of questions at the outset in order for students and researchers to consider the consequences and methods of achieving reliable and effective questions **Handbook of Survey Research** Peter V. Marsden,James D. Wright,2010-04-28 With chapters on sampling measurement questionnaire construction and question writing survey implementation and management survey data analysis special types of surveys and integrating surveys with other data collection methods this title includes topics such as measurement models the role of cognitive psychology and surveying networks *Designing and Conducting Business Surveys* Ger Snijkers,Gustav Haraldsen,Jacqui Jones,Diane Willimack,2013-08-05 Designing and Conducting Business Surveys provides a coherent overview of the business survey process from start to finish It uniquely integrates an understanding of how businesses operate a total survey error approach to data quality that focuses specifically on business surveys and sound project management principles The book brings together what is currently known about planning designing and conducting business surveys with producing and disseminating statistics or other research results from the collected data This knowledge draws upon a variety of disciplines such as survey methodology organizational sciences sociology psychology and statistical methods The contents of the book formulate a comprehensive guide to scholarly material previously dispersed among books journal articles and conference papers This book provides guidelines that will help the reader make educated trade off decisions that minimize survey errors

costs and response burden while being attentive to survey data quality Major topics include Determining the survey content considering user needs the business context and total survey quality Planning the survey as a project Sampling frames procedures and methods Questionnaire design and testing for self administered paper web and mixed mode surveys Survey communication design to obtain responses and facilitate the business response process Conducting and managing the survey using paradata and project management tools Data processing including capture editing and imputation and dissemination of statistical outputs Designing and Conducting Business Surveys is an indispensable resource for anyone involved in designing and or conducting business or organizational surveys at statistical institutes central banks survey organizations etc producing statistics or other research results from business surveys at universities research organizations etc or using data produced from business surveys The book also lays a foundation for new areas of research in business surveys

Wissenschaftliche Umfragen Uwe Engel, Simone Bartsch, Christiane Schnabel, Helen Vehre, 2012-10 Wissenschaftliche Umfragen sind ein unverzichtbares Instrument in der empirischen Sozialforschung Sie beeinflussen die öffentliche Meinung und Entscheidungen in vielen Bereichen von Wirtschaft und Gesellschaft So unverzichtbar Umfragen sind so fehleranfällig sind sie aber auch durch die Art der Fragen oder auch durch ausgefallene Antworten Das Buch geht auf die aktuelle Entwicklung vom Telefon zum Internet als Befragungsmedium ein Anhand eines groß angelegten Access Panels das heißt Adresspools befragungsbereiter Personen führt es in Anlage Methoden mögliche Fehlerquellen und Ergebnisauswertung bei der Durchführung von Umfragen ein

**Einstellungen und Verhalten in der empirischen Sozialforschung** Jochen Mayerl, Thomas Krause, Andreas Wahl, Marius Wuketich, 2018-08-10 Aus verschiedenen Perspektiven wird in dieser Festschrift zu Ehren von Prof Dr Dieter Urban das thematische Feld der Einstellung Verhaltens Forschung beleuchtet Dies umfasst sowohl neuere theoretisch analytische Zugänge als auch aktuelle methodisch statistische Entwicklungen sowie methodologische Überlegungen zur Analyse von Einstellungen und sozialem Verhalten in der empirischen Sozialforschung Der Band unterteilt sich in die Bereiche Theorie Methodik Analysestrategien und Längsschnittanalysen in unterschiedlichen inhaltlichen Anwendungsfeldern und deckt damit eine große Bandbreite der sozialwissenschaftlichen Einstellungs Verhaltens Forschung ab Der Inhalt Perspektiven zur empirisch analytischen Soziologie Theorien und Konzeptionen der Einstellungs und Verhaltensforschung Einstellungen und Verhalten in der Forschungspraxis Erhebungsmethoden und Analyseverfahren Längsschnittliche Analyseverfahren der Einstellungs und Verhaltensforschung Die Herausgeber Dr Jochen Mayerl ist Juniorprofessor am Fachbereich Sozialwissenschaften der TU Kaiserslautern Thomas Krause und Andreas Wahl sind Wissenschaftliche Mitarbeiter am Institut für Sozialwissenschaften der Universität Stuttgart Marius Wuketich ist Wissenschaftlicher Mitarbeiter an der Forschungsstelle Glücksspiel an der Universität Hohenheim

**Methodische Probleme bei der Messung von Kriminalitätsfurcht und Viktimisierungserfahrungen** Marcel Noack, 2014-10-15 Die vorliegende Publikation befasst sich mit den Methoden der Erfassung von Kriminalitätsfurcht Neben prozessproduzierten

Belastungsziffern der polizeilichen Kriminalstatistik PKS stellen Surveydaten dar. Die Ergebnisse von Opferbefragungen sind die zweite wichtige Informationsquelle der Kriminalität. Bei der Verwendung von Surveydaten sind jedoch eine Vielzahl von Problemen und Fehlerquellen zu beachten, welche die Qualität der Daten bis zur Unbrauchbarkeit beeinträchtigen können. Marcel Noack zeigt die verschiedenen Fehlerquellen bei der Erhebung von Surveydaten sowie deren Auswirkungen auf und bietet Alternativen an.

*Piracy in the Indian Film Industry* Arul George Scaria, 2014-05-15 This book studies the social, cultural, historical, legal and economic dimensions of copyright piracy in India.

Empirische Kulturosoziologie Jörg Rössel, Jochen Roose, 2015-03-02 Der Band umreißt das weite Feld der empirisch verfahrenenden Kulturosoziologie und lotet seine Diagnosekraft aus. Im deutschsprachigen Raum ist die Kulturosoziologie stark durch geisteswissenschaftliche Perspektiven geprägt. Jürgen Gerhards hat wegweisend dazu beigetragen, die in der internationalen Sozialwissenschaft etablierte empirisch ausgerichtete Analyse von kulturellen Phänomenen voranzutreiben und ihr auch in der deutschsprachigen Soziologie einen herausragenden Stellenwert zu verschaffen. Dieser Band versammelt Beiträge, die an seine theoretischen, konzeptuellen und methodischen Arbeiten anknüpfen und in unterschiedlichen Feldern der Kulturosoziologie weiterführen. Quantitative und qualitative Studien zeigen das Potenzial empirischer kulturosoziologischer Forschung in so unterschiedlichen Bereichen wie Kulturkonsum, politischer Kultur, Öffentlichkeit oder Europäisierung auf.

Empirische Forschung über Kriminalität Stefanie Eifler, Daniela Pollich, 2014-09-22 Im Mittelpunkt dieses Bandes stehen die methodologischen und methodischen Grundlagen der empirischen Analyse des sozialen Phänomens Kriminalität. Die Beiträge bieten einen Überblick über aktuelle Längsschnittstudien für klassische Forschungsthemen der Kriminalsoziologie. Sie verweisen darauf, dass die empirische Forschung der Kriminalität eine kontinuierliche Weiterentwicklung von Verfahren der Datenerhebung und Datenanalyse erfordert. Etwa im Hinblick auf die Analyse von Kriminalität im Hell- und Dunkelfeld, im Querschnitt oder auf kollektiver und individueller Ebene.

**Question Evaluation Methods** Jennifer Madans, Kristen Miller, Aaron Maitland, Gordon B. Willis, 2011-10-14 Insightful observations on common question evaluation methods and best practices for data collection in survey research. Featuring contributions from leading researchers and academicians in the field of survey research, *Question Evaluation Methods: Contributing to the Science of Data Quality* sheds light on question response error and introduces an interdisciplinary cross-method approach that is essential for advancing knowledge about data quality and ensuring the credibility of conclusions drawn from surveys and censuses. Offering a variety of expert analyses of question evaluation methods, the book provides recommendations and best practices for researchers working with data in the health and social sciences. Based on a workshop held at the National Center for Health Statistics (NCHS), this book presents and compares various question evaluation methods that are used in modern-day data collection and analysis. Each section includes an introduction to a method by a leading authority in the field, followed by responses from other experts that outline related strengths, weaknesses, and underlying assumptions. Topics covered include Behavior coding, Cognitive

interviewing Item response theory Latent class analysis Split sample experiments Multitrait multimethod experiments Field based data methods A concluding discussion identifies common themes across the presented material and their relevance to the future of survey methods data analysis and the production of Federal statistics Together the methods presented in this book offer researchers various scientific approaches to evaluating survey quality to ensure that the responses to these questions result in reliable high quality data Question Evaluation Methods is a valuable supplement for courses on questionnaire design survey methods and evaluation methods at the upper undergraduate and graduate levels it also serves as a reference for government statisticians survey methodologists and researchers and practitioners who carry out survey research in the areas of the social and health sciences

Methodische Grundlagen der Umfrageforschung Frank Faulbaum, 2019-04-15 International und national geh ren Bev lkerungsumfragen inzwischen zu den unumstrittenen Hilfsmitteln und wohl etablierten Instrumenten wirtschafts bildungs kultur und sozialpolitischer Entscheidungsvorbereitung Politische Entscheidungen in komplexeren Gesellschaften erfordern nicht nur zur rechtzeitigen Prognose krisenhafter Entwicklungen sondern auch zur Erarbeitung kurz und mittelfristiger Planungsunterlagen die systematische Sammlung von Erkenntnissen ber Zust nde und Ver nderungen in Wirtschaft und Gesellschaft sowie ihrer Teilbereiche In der sozialwissenschaftlichen Forschung sind Umfragen als Instrumente zur berpr fung theoretischer Annahmen ber Wirtschaft und Gesellschaft nicht mehr wegzudenken Basierend auf der Erkenntnis dass es sich bei Umfragen um Formen von Messungen handelt und diese grunds tzlich mit den gleichen methodischen Anspr chen an Validit t und Genauigkeit durchgef hrt werden m ssen wie naturwissenschaftliche Messungen ist es das Ziel dieses Bandes die ganze Bandbreite der Methoden in der Umfrageforschung dahingehend vorzustellen Dabei gilt ein besonderes Augenmerk den Qualit tskriterien und den Qualit tsgef hrdungen denen Umfragen wie andere Formen der Messung auch unterliegen Der Inhalt Methoden der Umfrageforschung im berblick Kommunikationsformen Modes und ihre Wirkungen Fragen und Antworten Fragen und Antworten als Messungen Entwurf und Evaluation von Fragen Stichprobenauswahl und Sch tzung von Populationswerten Auf dem Weg von der Zielpopulation zur Nettostichprobe Der Autor Prof Dr Frank Faulbaum war bis 2008 Inhaber des Lehrstuhls f r Sozialwissenschaftliche Methoden Empirische Sozialforschung an der Universit t Duisburg Essen Davor war er u a 15 Jahre als Projektleiter bei ZUMA GESIS in Mannheim t tig In einem eigenen Institut besch ftigt er sich kontinuierlich mit der methodischen Umsetzung von Forschungsfragestellungen in Form von Umfragen und anderen Erhebungsmethoden Zwischenzeitlich 2009 2013 bernahm er au erdem einen Lehrauftrag f r Strukturgleichungsmodelle an der Universit t St Gallen Seit 2008 ist er Vorstandsvorsitzender der Arbeitsgemeinschaft Sozialwissenschaftlicher Institute ASI e V

*Improving Surveys with Paradata* Frauke Kreuter, 2013-04-25 Explore the practices and cutting edge research on the new and exciting topic of paradata Paradata are measurements related to the process of collecting survey data Improving Surveys with Paradata Analytic Uses of Process Information is the most accessible and comprehensive contribution to this up and

coming area in survey methodology Featuring contributions from leading experts in the field Improving Surveys with Paradata Analytic Uses of Process Information introduces and reviews issues involved in the collection and analysis of paradata The book presents readers with an overview of the indispensable techniques and new innovative research on improving survey quality and total survey error Along with several case studies topics include Using paradata to monitor fieldwork activity in face to face telephone and web surveys Guiding intervention decisions during data collection Analysis of measurement nonresponse and coverage error via paradata Providing a practical encompassing guide to the subject of paradata the book is aimed at both producers and users of survey data Improving Surveys with Paradata Analytic Uses of Process The book also serves as an excellent resource for courses on data collection survey methodology and nonresponse and measurement error

### **Qualitätssicherung sozialwissenschaftlicher Erhebungsinstrumente** Natalja

Menold,Tobias Wolbring,2018-12-29 Die Qualität sozialwissenschaftlicher Erhebungsinstrumente hat wesentlichen Einfluss auf die Belastbarkeit empirischer Schlussfolgerungen die auf Grundlage von Umfragedaten gezogen werden Der vorliegende Band stellt daher die Qualität von Erhebungsinstrumenten sowie Verfahren zur Bestimmung und Verbesserung ihrer Güte in den Mittelpunkt Vertieft werden insbesondere Themen der Fragebogenkonstruktion qualitative Techniken zum Pretesting Ansätze zur Antwortvalidität sowie Gestaltungsfragen eines Qualitätsmanagements für Umfragen in der Praxis Der Inhalt Messqualität und Messprobleme in der Fragebogenkonstruktion Qualitätssicherung durch qualitative Techniken Ansätze zur Antwortvalidität Qualitätsmanagement in der Praxis Die Herausgeber Dr Natalja Menold ist Wissenschaftliche Teamleiterin des Teams Questionnaire Design Evaluation am GESIS Leibniz Institut für Sozialwissenschaften Dr Tobias Wolbring ist Professor für Empirische Wirtschaftssoziologie an der FAU Erlangen Nürnberg

### **Survey Measurements** Uwe

Engel,2015-05-11 Measurement error and nonresponse represent real threats to the quality of survey data Unit and item nonresponse survey modes question wordings and response formats are potential sources of error In addition survey methods are developing further to keep step with a continuously changing world The identification and proper handling of threats to data quality requires thus continued efforts and research on survey methods The volume contributes to this demand recent developments and research findings Its 12 chapters address issues of data quality with respect to survey questions and different kinds of surveys and report developments in the field of missing data handling Key topics include motivated misreporting audio recording of open ended questions framing effects MTMM modeling web mobile web and mixed mode research experience sampling estimates of change missing data handling and multiple imputation Contributions come from Germany the Netherlands Spain the United Kingdom and the United States

**Experimental Methods in Survey Research** Paul J. Lavrakas,Michael W. Traugott,Courtney Kennedy,Allyson L. Holbrook,Edith D. de Leeuw,Brady T.

West,2019-10-08 A thorough and comprehensive guide to the theoretical practical and methodological approaches used in survey experiments across disciplines such as political science health sciences sociology economics psychology and



marketing This book explores and explains the broad range of experimental designs embedded in surveys that use both probability and non probability samples It approaches the usage of survey based experiments with a Total Survey Error TSE perspective which provides insight on the strengths and weaknesses of the techniques used Experimental Methods in Survey Research Techniques that Combine Random Sampling with Random Assignment addresses experiments on within unit coverage reducing nonresponse question and questionnaire design minimizing interview measurement bias using adaptive design trend data vignettes the analysis of data from survey experiments and other topics across social behavioral and marketing science domains Each chapter begins with a description of the experimental method or application and its importance followed by reference to relevant literature At least one detailed original experimental case study then follows to illustrate the experimental method s deployment implementation and analysis from a TSE perspective The chapters conclude with theoretical and practical implications on the usage of the experimental method addressed In summary this book Fills a gap in the current literature by successfully combining the subjects of survey methodology and experimental methodology in an effort to maximize both internal validity and external validity Offers a wide range of types of experimentation in survey research with in depth attention to their various methodologies and applications Is edited by internationally recognized experts in the field of survey research methodology and in the usage of survey based experimentation featuring contributions from across a variety of disciplines in the social and behavioral sciences Presents advances in the field of survey experiments as well as relevant references in each chapter for further study Includes more than 20 types of original experiments carried out within probability sample surveys Addresses myriad practical and operational aspects for designing implementing and analyzing survey based experiments by using a Total Survey Error perspective to address the strengths and weaknesses of each experimental technique and method Experimental Methods in Survey Research Techniques that Combine Random Sampling with Random Assignment is an ideal reference for survey researchers and practitioners in areas such political science health sciences sociology economics psychology public policy data collection data science and marketing It is also a very useful textbook for graduate level courses on survey experiments and survey methodology **Register-based**

**Statistics** Anders Wallgren,Britt Wallgren,2014-04-01 This book provides a comprehensive and up to date treatment of theory and practical implementation in Register based statistics It begins by defining the area before explaining how to structure such systems as well as detailing alternative approaches It explains how to create statistical registers how to implement quality assurance and the use of IT systems for register based statistics Further to this clear details are given about the practicalities of implementing such statistical methods such as protection of privacy and the coordination and coherence of such an undertaking This edition offers a full understanding of both the principles and practices of this increasingly popular area of statistics and can be considered a first step to a more systematic way of working with register statistical issues This book addresses the growing global interest in the topic and employs a much broader more international

approach than the 1st edition New chapters explore different kinds of register based surveys such as preconditions for register based statistics and comparing sample survey and administrative data Furthermore the authors present discussions on register based census national accounts and the transition towards a register based system as well as presenting new chapters on quality assessment of administrative sources and production process quality

**Building Research Design in Education** Lorna Hamilton, John Ravenscroft, 2018-06-14 Building Research Design in Education provides insights into the ways in which foundational knowledge of research and research processes can be applied in order to build rigorous research design If your research is to have meaning and value this text will enable you to make informed choices and decisions about your design bearing in mind the complex ideas and theoretical framing needed to underpin it Drawing on the research expertise of the contributors this text initially introduces the foundations for differing ideas around epistemology and ontology then splits into four parts looking at quantitative qualitative and mixed methods research approaches as well as other possibilities for research including newer or emerging forms of research Throughout good research design is shown as taking many shapes with its premise always being rooted in a clear understanding of what is known and what is knowable according to the researcher's world view in harmony with epistemological and ontological roots Chapters include learning activities case examples of international research essential reading as well as further advanced reading suggestions and online resources with additional exemplars and activities This book is for the advanced student who already has an insight into the basics of research and is wanting to ensure a robust approach to research construction and reflection

Implementation of Large-Scale Education Assessments Petra Lietz, John C. Cresswell, Keith F. Rust, Raymond J. Adams, 2017-04-24 Presents a comprehensive treatment of issues related to the inception design implementation and reporting of large scale education assessments In recent years many countries have decided to become involved in international educational assessments to allow them to ascertain the strengths and weaknesses of their student populations Assessments such as the OECD's Programme for International Student Assessment PISA the IEA's Trends in Mathematics and Science Study TIMSS and Progress in International Reading Literacy Study PIRLS have provided opportunities for comparison between students of different countries on a common international scale This book is designed to give researchers policy makers and practitioners a well grounded knowledge in the design implementation analysis and reporting of international assessments Readers will be able to gain a more detailed insight into the scientific principles employed in such studies allowing them to make better use of the results The book will also give readers an understanding of the resources needed to undertake and improve the design of educational assessments in their own countries and regions Implementation of Large Scale Education Assessments Brings together the editors extensive experience in creating designing implementing analysing and reporting results on a wide range of assessments Emphasizes methods for implementing international studies of student achievement and obtaining highquality data from cognitive tests and contextual questionnaires Discusses the methods of

sampling weighting and variance estimation that are commonly encountered in international large scale assessments  
Provides direction and stimulus for improving global educational assessment and student learning Is written by experts in the field with an international perspective Survey researchers market researchers and practitioners engaged in comparative projects will all benefit from the unparalleled breadth of knowledge and experience in large scale educational assessments gathered in this one volume

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