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Autore	Davey Justin C.
Titolo	Enduring attraction : America's dependence on and need to secure its supply of permanent magnets / / by Justin C. Davey
Pubbl/distr/stampa	Maxwell Air Force Base, Alabama : , : Air War College, , 2012
Descrizione fisica	1 online resource (32 pages)
Collana	Maxwell paper ; ; no. 63
Soggetti	Permanent magnets - Military aspects Rare earth industry Rare earth metals - Military aspects - United States Rare earth metals - Government policy - China
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references (pages 25-32).

2. Record Nr.	UNISA996418273503316
Autore	Wu Changbao
Titolo	Sampling theory and practice // Changbao Wu, Mary E. Thompson
Pubbl/distr/stampa	Cham : , : Springer, , [2020] ©2020
ISBN	3-030-44246-2 9783030442460
Descrizione fisica	1 online resource (xx, 365 pages)
Collana	ICSA book series in statistics, , 2199-0999
Disciplina	300.727
Soggetti	Sampling (Statistics) Social sciences - Statistical methods Statistics Statistics in Social Sciences, Humanities, Law, Education, Behavioral Sciences, Public Policy Statistical Theory and Methods Statistics in Business, Management, Economics, Finance, Insurance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Part I Basic Concepts and Methods in Survey Sampling -- Chapter 1 Basic Concepts in Survey Sampling -- Chapter 2 Simple Single-Stage Sampling Methods -- Chapter 3 Stratified Sampling and Cluster Sampling -- Chapter 4 General Theory and Methods of Unequal Probability Sampling -- Chapter 5 Model-Based Prediction and Model-Assisted Estimation -- Part II Advanced Topics on Analysis of Probability Survey Samples -- Chapter 6 Calibration Weighting and Estimation -- Chapter 7 Regression Analysis and Estimating Equations -- Chapter 8 Empirical Likelihood Methods -- Chapter 9 Methods for Handling Missing Data -- Chapter 10 Resampling and Replication Methods -- Chapter 11 Bayesian Empirical Likelihood Methods -- Part III Practical Issues and Special Topics in Survey Sampling -- Chapter 12 Area Frame Household Surveys -- Chapter 13 Telephone and Web Surveys -- Chapter 14 Natural Resource Inventory Surveys -- Chapter 15 Adaptive and Network Surveys -- Chapter 16 Dual Frame and Multiple Frame Surveys -- Chapter 17 Non-Probability Survey Samples

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Sommario/riassunto

The three parts of this book on survey methodology combine an introduction to basic sampling theory, engaging presentation of topics that reflect current research trends, and informed discussion of the problems commonly encountered in survey practice. These related aspects of survey methodology rarely appear together under a single connected roof, making this book a unique combination of materials for teaching, research and practice in survey sampling. Basic knowledge of probability theory and statistical inference is assumed, but no prior exposure to survey sampling is required. The first part focuses on the design-based approach to finite population sampling. It contains a rigorous coverage of basic sampling designs, related estimation theory, model-based prediction approach, and model-assisted estimation methods. The second part stems from original research conducted by the authors as well as important methodological advances in the field during the past three decades. Topics include calibration weighting methods, regression analysis and survey weighted estimating equation (EE) theory, longitudinal surveys and generalized estimating equations (GEE) analysis, variance estimation and resampling techniques, empirical likelihood methods for complex surveys, handling missing data and non-response, and Bayesian inference for survey data. The third part provides guidance and tools on practical aspects of large-scale surveys, such as training and quality control, frame construction, choices of survey designs, strategies for reducing non-response, and weight calculation. These procedures are illustrated through real-world surveys. Several specialized topics are also discussed in detail, including household surveys, telephone and web surveys, natural resource inventory surveys, adaptive and network surveys, dual-frame and multiple frame surveys, and analysis of non-probability survey samples. This book is a self-contained introduction to survey sampling that provides a strong theoretical base with coverage of current research trends and pragmatic guidance and tools for conducting surveys.

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