Record Nr. UNINA9910143508403321 Analysis of survey data [[electronic resource] /] / edited by R.L. **Titolo** Chambers and C.J. Skinner Pubbl/distr/stampa Chichester, West Sussex, England; ; Hoboken, NJ, : Wiley, c2003 **ISBN** 1-280-27189-2 9786610271894 0-470-32742-1 0-470-86439-7 0-470-86720-5 Descrizione fisica 1 online resource (399 p.) Collana Wiley series in survey methodology Altri autori (Persone) ChambersR. L (Ray L.) SkinnerC. J Disciplina 001.4/22 001.433 Soggetti Mathematical statistics - Methodology Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references (p. [345]-359) and indexes. Nota di contenuto Analysis of Survey Data; Contents; Preface; List of Contributors; Chapter 1 Introduction: 1.1. The analysis of survey data: 1.2. Framework, terminology and specification of parameters; 1.3. Statistical inference; 1.4. Relation to Skinner, Holt and Smith (1989); 1.5. Outline of this book; PART A APPROACHES TO INFERENCE; Chapter 2 Introduction to Part A; 2.1. Introduction; 2.2. Full information likelihood; 2.3. Sample likelihood; 2.4. Pseudo-likelihood; 2.5. Pseudolikelihood applied to analytic inference; 2.6. Bayesian inference for sample surveys 2.7. Application of the likelihood principle in descriptive inferenceChapter 3 Design-based and Model-based Methods for Estimating Model Parameters; 3.1. Choice of methods; 3.2. Designbased and model-based linear estimators; 3.2.1. Parameters of interest; 3.2.2. Linear estimators; 3.2.3. Properties of b and b; 3.3. Design-based and total variances of linear estimators; 3.3.1. Design-

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Sommario/riassunto

This book is concerned with statistical methods for the analysis of data collected from a survey. A survey could consist of data collected from a questionnaire or from measurements, such as those taken as part of a quality control process. Concerned with the statistical methods for the analysis of sample survey data, this book will update and extend the successful book edited by Skinner, Holt and Smith on 'Analysis of Complex Surveys'. The focus will be on methodological issues, which arise when applying statistical methods to sample survey data and will discuss in detail the impact of complex