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   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. Pseudo-
                        likelihood 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. Design-
                        based 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-
                        based and total variance of b; 3.3.2. Design-based mean squared error
                        of b and its model expectation; 3.4. More complex estimators; 3.4.1.
                        Taylor linearisation of non-linear statistics; 3.4.2. Ratio estimation
                        3.4.3. Non-linear statistics - explicitly defined statistics3.4.4. Non-

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