1. Record Nr. UNINA9910830651403321 Autore Molenberghs Geert Titolo Missing data in clinical studies [[electronic resource] /] / Geert Molenberghs, Michael G. Kenward Chichester, Eng.;; Hoboken, NJ,: J. Wiley & Sons, c2007 Pubbl/distr/stampa **ISBN** 1-280-83950-3 9786610839506 0-470-51044-7 0-470-51043-9 Descrizione fisica 1 online resource (528 p.) Collana Statistics in practice Altri autori (Persone) KenwardMichael G. <1956-> Disciplina 610.724 Soggetti Clinical trials - Statistical methods Missing observations (Statistics) 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. 483-496) and index. Nota di contenuto Missing Data in Clinical Studies; Contents; Preface; Acknowledgements; I Preliminaries; 1 Introduction; 1.1 From Imbalance to the Field of Missing Data Research; 1.2 Incomplete Data in Clinical Studies; 1.3 MAR, MNAR, and Sensitivity Analysis; 1.4 Outline of the Book; 2 Key Examples; 2.1 Introduction; 2.2 The Vorozole Study; 2.3 The Orthodontic Growth Data; 2.4 Mastitis in Dairy Cattle; 2.5 The Depression Trials; 2.6 The Fluvoxamine Trial; 2.7 The Toenail Data; 2.8 Age-Related Macular Degeneration Trial; 2.9 The Analgesic Trial; 2.10 The Slovenian Public Opinion Survey 3 Terminology and Framework3.1 Modelling Incompleteness; 3.2 Terminology: 3.3 Missing Data Frameworks: 3.4 Missing Data Mechanisms; 3.5 Ignorability; 3.6 Pattern-Mixture Models; Part II Classical Techniques and the Need for Modelling; 4 A Perspective on Simple Methods; 4.1 Introduction; 4.1.1 Measurement model; 4.1.2 Method for handling missingness; 4.2 Simple Methods; 4.2.1 Complete case analysis; 4.2.2 Imputation methods; 4.2.3 Last observation carried forward; 4.3 Problems with Complete Case Analysis and Last **Observation Carried Forward**

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Sommario/riassunto

Missing Data in Clinical Studies provides a comprehensive account of the problems arising when data from clinical and related studies are incomplete, and presents the reader with approaches to effectively address them. The text provides a critique of conventional and simple methods before moving on to discuss more advanced approaches. The authors focus on practical and modeling concepts, providing an extensive set of case studies to illustrate the problems described. Provides a practical guide to the analysis of clinical trials and related studies with missing data. Examines