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Autore	O'Kelly Michael
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Nota di contenuto	Clinical Trials with Missing Data; Contents; Preface; References; Acknowledgments; Notation; Table of SAS code fragments; Contributors; 1 Whats the problem with missing data?; 1.1 What do we mean by missing data?; 1.1.1 Monotone and non-monotone missing data; 1.1.2 Modeling missingness, modeling the missing value and ignorability; 1.1.3 Types of missingness (MCAR, MAR and MNAR); 1.1.4 Missing data and study objectives; 1.2 An illustration; 1.3 Why cant I use only the available primary endpoint data?; 1.4 Whats the problem with using last observation carried forward? 1.5 Can we just assume that data are missing at random?1.6 What can be done if data may be missing not at random?; 1.7 Stress-testing study results for robustness to missing data; 1.8 How the pattern of dropouts can bias the outcome; 1.9 How do we formulate a strategy for missing data?; 1.10 Description of example datasets; 1.10.1 Example dataset in Parkinsons disease treatment; 1.10.2 Example dataset in insomnia treatment; 1.10.3 Example dataset in mania treatment; Appendix 1.A: Formal definitions of MCAR, MAR and MNAR; References; 2 The prevention of missing data; 2.1 Introduction 2.2 The impact of "too much" missing data 2.2.1 Example from human immunodeficiency virus; 2.2.2 Example from acute coronary syndrome; 2.2.3 Example from studies in pain; 2.3 The role of the statistician in

Sommario/riassunto

"This book provides practical guidance for statisticians, clinicians, and researchers involved in clinical trials in the biopharmaceutical industry, medical and public health organisations. Academics and students needing an introduction to handling missing data will also find this book invaluable. The authors describe how missing data can affect the outcome and credibility of a clinical trial, show by examples how a clinical team can work to prevent missing data, and present the reader with approaches to address missing data effectively. The book is illustrated throughout with realistic case studies and worked examples, and presents clear and concise guidelines to enable good planning for missing data. The authors show how to handle missing data in a way that is transparent and easy to understand for clinicians, regulators and patients. New developments are presented to improve the choice and implementation of primary and sensitivity analyses for missing data. Many SAS code examples are included - the reader is given a toolbox for implementing analyses under a variety of assumptions"--Provided by publisher.