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Titolo	Comoedia : antologia della palliata / [a cura di] Alfonso Traina
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Soggetti	Commedia latina - Antologia
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Autore	Van Belle Gerald
Titolo	Design and analysis of experiments in the health sciences [[electronic resource] /] / Gerald van Belle, Kathleen F. Kerr
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Altri autori (Persone)	KerrKathleen F. <1970->
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Soggetti	Experimental design Medical informatics Medical sciences - Statistical methods
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Design and Analysis of Experiments in the Health Sciences; Contents; Preface; 1 The Basics; 1.1 Four Basic Questions; 1.2 Variation; 1.3 Principles of Design and Analysis; 1.4 Experiments and Observational Studies; 1.5 Illustrative Applications of Principles; 1.6 Experiments in the Health Sciences; 1.7 Adaptive Allocation; 1.7.1 Equidistribution; 1.7.2 Adaptive Allocation Techniques; 1.8 Sample Size Calculations; 1.9 Statistical Models for the Data; 1.10 Analysis and Presentation; 1.10.1 Graph the Data in Several Ways; 1.10.2 Assess Assumptions of the Statistical Model 1.10.3 Confirmatory and Exploratory Analysis1.10.4 Missing Data Need Careful Accounting; 1.10.5 Statistical Software; 1.11 Notes; 1.11.1 Characterization Studies; 1.11.2 Additional Comments on Balance; 1.11.3 Linear and Nonlinear Models; 1.11.4 Analysis of Variance Versus Regression Analysis; 1.12 Summary; 1.13 Problems; 2 Completely Randomized Designs; 2.1 Randomization; 2.2 Hypotheses and Sample Size; 2.3 Estimation and Analysis; 2.4 Example; 2.5 Discussion and Extensions; 2.5.1 Preparing Data for Computer Analysis; 2.5.2

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 2.5.4 Partitioning the Treatment Sum of Squares 2.5.5 Alternative  
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 Analysis; 2.9 Example; 2.10 Discussion and Extensions; 2.10.1 Two  
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 Randomization; 2.11.2 Assumptions of the Analysis of Variance and  
 Covariance; 2.11.3 When the Assumptions Don't Hold; 2.11.4  
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 Levels  
 2.11.6 Limitations of Computer Output 2.11.7 Unequal Sample Sizes;  
 2.11.8 Design Implications of the CRD; 2.11.9 Power and Alternative  
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 and Analysis; 3.4 Example; 3.5 Discussion and Extensions; 3.5.1  
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 4.3 Estimation and Analysis

## Sommario/riassunto

An accessible and practical approach to the design and analysis of experiments in the health sciences. Design and Analysis of Experiments in the Health Sciences provides a balanced presentation of design and analysis issues relating to data in the health sciences and emphasizes new research areas, the crucial topic of clinical trials, and state-of-the-art applications. Advancing the idea that design drives analysis and analysis reveals the design, the book clearly explains how to apply design and analysis principles in animal, human, and laboratory experiments while