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		3. Linear Models for Designed Experiments3.1 Introduction; 3.2 Linear Model; 3.3 Principle of Least Squares; 3.4 Parameterizations for Row-Column Models; Review Exercises; Appendix 3A: Linear Combinations of Random Variables; Appendix 3B: Simulating Random Samples; 4 Testing Hypotheses and Determining Sample Size; 4.1 Introduction; 4.2 Testing Hypotheses in Linear Models with Normally Distributed Errors; 4.3 Kruskal-Wallis Test; 4.4 Randomization Tests; 4.5 Power and Sample Size; 4.6 Sample Size for Binomial Proportions; 4.7 Confidence Interval Width and Sample Size

| Sommario/riassunto | A valuable guide to conducting experiments and analyzing data across a wide range of applicationsExperimental design is an important component of the scientific method. This book provides guidance on planning efficient investigations. It compiles designs for a wide range of experimental situations not previously found in accessible form. Focusing on applications in the physical, engineering, biological, and social sciences, Planning, Construction, and Statistical Analysis of Comparative Experiments is a valuable guide to designing experiments and correctly analyzing and interpreting the re |