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Randomization; 4.2 Elimination and Blocking Off; 4.3 Constancy and Covering; 4.4 Matching and Blocking  
4.5 Extraneous Variables as Independent Variables 4.6 Replication; 4.7 Balancing; 4.8 Counterbalancing; 4.9 Blinding; 4.10 Control Groups and Control Conditions; 4.11 Conservative Arrangement of the Levels of Extraneous Variables; 4.12 Repeated Measures; 4.13 Statistical Adjustment; Summary; Questions; Chapter 5. Preliminary Experiments and Pilot Studies; Summary; Questions; Chapter 6. Designs which had Better be Avoided; 6.1 Designs without Randomization; 6.2 Designs without a Control Group; 6.3 Designs with Repeated Measures; 6.4 Crossover Designs; 6.5 Designs with more than Two Factors Summary Questions; Chapter 7. Designs without Repeated Measures; 7.1 Designs with One Independent Variable; 7.2 Designs with Two Independent Variables; 7.3 Designs with more than Two Independent Variables; Summary; Questions; Chapter 8. Designs with Repeated Measures; 8.1 Designs with One Independent Variable; 8.2 Designs with more than One Independent Variable; Summary; Questions; Chapter 9. Single-Case Experimental Designs; 9.1 Basic Principles of Single-Case Experimental Designs; 9.2 Selected Single-Case Experimental Designs; 9.3 An Alternative Principle of Single-Case Experimental Designs  
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Sommario/riassunto

Scientists planning experiments in medical and behavioral research will find this handbook and dictionary an invaluable desk reference tool. Also recommended as a textbook for students of Experimental Design or accompanying courses in Statistics. Principles of experimental design are introduced, techniques of experimental design are described, and advantages and disadvantages of often used designs are discussed. This two-part volume, a handbook of experimental design and a dictionary providing short explanations for many terms related to experimental design, contains information that wil

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