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of the Nested Design"

"2.5.2 The Experiment""2.5.3 The Analysis""2.5.4 An Alternative Design Specification""2.6 Comparison""2.6.1 Inference""2.6.2 Cost""2.6.3 Specification""2.7 Exercises""PART II PROGRAMMING SYSTEMS""3. User-level Considerations""3.1 Program Behavior""3.1.1 Batch Behavior of Programs""3.1.2 Interactive Behavior of Programs""3.2 User Documentation""3.3 Aids to Interaction""3.3.1 Error Handling""3.3.2 Session Log""3.3.3 Macros""3.4 Input and Output Files""3.5 Text Editors""3.6 Testing of Programs""3.6.1 Random Input""3.6.2 Standard Cases""3.6.3 Boundary Conditions""3.6.4 Pathological Example""3.6.5 Numerical Stability""3.7 Exercises""4. Design of Individual Programs""4.1 Programming Style""4.1.1 Modular Programming""4.1.2 Structured Programming""4.1.3 Commented Code""4.1.4 Choice of Algorithms""4.1.5 Organization of Output on the Screen and Page""4.2 Documentation""4.2.1 User Documentation""4.2.2 System Documentation""4.2.3 Program Self-Documentation""4.3 Host Language""4.4 Exercises""5. Construction of Program Systems""5.1 Programming Conventions""5.2 Modularity""5.3 Subroutine Communication""5.3.1 Arguments""5.3.2 Scope of Variable Definition""5.3.3 Common Storage""5.3.4 Files""5.4 Programs Larger Than Available Computer Memory""5.4.1 Overlay Structures""5.4.2 Virtual Memory""5.5 Portability""5.5.1 Fortran""5.5.2 BASIC""5.5.3 APL""5.5.4 C""5.6 Extensibility""5.6.1 Macro Facility""5.6.2 Access to Computer Operating System""5.6.3 Adding New Procedures""5.7 Error Handling""5.8 Maintenance""5.9 Exercises"

Sommario/riassunto

Addresses the statistical, mathematical, and computational aspects of the construction of packages and analysis of variance (ANOVA) programs. Includes a disk at the back of the book that contains all program codes in four languages, APL, BASIC, C, and FORTRAN. Presents illustrations of the dual space geometry for all designs, including confounded designs.
