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paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Language: English. Pub. Date: 2009. Multilevel Models: Appfications Using SAS is written in nontechnical terms. focuses on the methods and applications of various multilevel models. including liner multilevel models. multilevel logistic regression models. multilevel Poisson regression models. multilevel negative binomial models. as well as some cutting-edge applications. such as multilevel zero-inflated Poisson (ZIP) model. random effect zero-inflated negative binomial model (RE-ZINB). mixed-effect mixed-distribution models. bootstrapping multilevel models. and group-based trajectory models. Readers will learn to build and apply multilevel models for hierarchically structured cross-sectional data and longitudinal data using the internationally distributed software package Statistics Analysis System (SAS). Detailed SAS syntax and output are provided for model applications. providing students. research scientists and data analysts with ready templates for their applications. Contents: Chapter 1 Introduction1.1 Conceptual framework of multilevel modeling1.2 Hierarchically structured data1.3 Variables in multilevel data1.4 Analytical problems with multilevel data1.5 Advantages and limitations of multilevel modeling1.6 Computer software for multilevel modelingChapter 2 Basics of Linear Multilevel Models2.1 Intraclass correlation coefficient (ICC) 2.2 Formulation of two-level multilevel models2.3 Model assumptions2.4 Fixed and random regression coefficients2.5 Cross-level interactions2.6 Measurement centering2.7 Model estimation2.8 Model fit. hypothesis testing. and model comparisons2.8.1 Model fit2.8.2 Hypothesis testing2.8.3 Model comparisons2.9 Explained level-1 and level-2 variances2.10 Steps for building multilevel models2 .11 Higher-level multilevel modelsChapter 3 Application of Two-level Linear Multilevel Models3.1 Data3.2 Empty model3.3 Predicting between-group variation3.4 Predicting within-group variation3.5 Testing random level-1 slopes3.6 Across-level interactions3.7 Other issues in model developmentChapter 4 Application of Multilevel Modeling to Longitudinal Data4.1 Features of longitudinal data4.2 Limitations of traditional approaches for modeling longitudinal data4.3 Advantages of multilevel modeling for longitudinal data4.4 Formulation of growth models4.5 Data description and manipulation4.6 Linear growth models4.6.1 The shape of average...

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