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Multivariate Analysis for the Biobehavioral and Social Sciences: A Graphical Approach (Hardback)

By Bruce L. Brown, Dr Timothy B. Smith, Dawson W. Hedges

John Wiley and Sons Ltd, United States, 2012. Hardback. Book Condition: New. 242 x 163 mm. Language: English . Brand New Book. An insightful guide to understanding and visualizing multivariate statistics using SAS(R), STATA(R), and SPSS(R) Multivariate Analysis for the Biobehavioral and Social Sciences: A Graphical Approach outlines the essential multivariate methods for understanding data in the social and biobehavioral sciences. Using real-world data and the latest software applications, the book addresses the topic in a comprehensible and hands-on manner, making complex mathematical concepts accessible to readers. The authors promote the importance of clear, well-designed graphics in the scientific process, with visual representations accompanying the presented classical multivariate statistical methods . The book begins with a preparatory review of univariate statistical methods recast in matrix notation, followed by an accessible introduction to matrix algebra. Subsequent chapters explore fundamental multivariate methods and related key concepts, including: * Factor analysis and related methods * Multivariate graphics * Canonical correlation * Hotelling's T-squared * Multivariate analysis of variance (MANOVA) * Multiple regression and the general linear model (GLM) Each topic is introduced with a research-publication case study that demonstrates its real-world value. Next, the question how do you do that? is addressed...

Reviews

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