# APPLIED MULTIVARIATE STATISTICS FOR THE SOCIAL SCIENCES

KEENAN A. PITUCH & JAMES P. STEVENS



ANALYSES WITH SAS AND IBM'S SPSS





## **Applied Multivariate Statistics Social Sciences**

J.P. STEVENS

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Applied Multivariate Statistics for the Social Sciences, Fifth Edition James P. Stevens, 2012-11-12 This best selling text is written for those who use rather than develop statistical methods Dr Stevens focuses on a conceptual understanding of the material rather than on proving results Helpful narrative and numerous examples enhance understanding and a chapter on matrix algebra serves as a review Annotated printouts from SPSS and SAS indicate what the numbers mean and encourage interpretation of the results In addition to demonstrating how to use these packages the author stresses the importance of checking the data assessing the assumptions and ensuring adequate sample size by providing guidelines so that the results can be generalized. The book is noted for its extensive applied coverage of MANOVA its emphasis on statistical power and numerous exercises including answers to half The new edition features New chapters on Hierarchical Linear Modeling Ch 15 and Structural Equation Modeling Ch 16 New exercises that feature recent journal articles to demonstrate the actual use of multiple regression Ch 3 MANOVA Ch 5 and repeated measures Ch 13 A new appendix on the analysis of correlated observations Ch 6 Expanded discussions on obtaining non orthogonal contrasts in repeated measures designs with SPSS and how to make the identification of cell ID easier in log linear analysis in 4 or 5 way designs Updated versions of SPSS 15 0 and SAS 8 0 are used throughout the text and introduced in chapter 1 A book website with data sets and more Ideal for courses on multivariate statistics found in psychology education sociology and business departments the book also appeals to practicing researchers with little or no training in multivariate methods Prerequisites include a course on factorial ANOVA and covariance Working knowledge of matrix algebra is not assumed **Applied Multivariate Statistics for the Social** Sciences Stevens, 1995 This successful text includes coverage of both exploratory and confirmatory factor analysis plus illustrations of LISREL and EQS the EXAMINE procedure from SPSSX terrific for exploring data a new section on the doubly

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