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Titolo	Multivariate Analysis with LISREL // by Karl G. Jöreskog, Ulf H. Olsson, Fan Y. Wallentin
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Descrizione fisica	1 online resource (XV, 557 p. 155 illus., 89 illus. in color.)
Collana	Springer Series in Statistics, , 2197-568X
Disciplina	519.5
Soggetti	Statistics Mathematical statistics - Data processing Social sciences - Statistical methods Psychometrics Marketing Statistical Theory and Methods Statistics and Computing Statistics in Social Sciences, Humanities, Law, Education, Behavioral Sciences, Public Policy Statistics in Business, Management, Economics, Finance, Insurance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Getting Started -- Regression Models -- Generalized Linear Models -- Multilevel Analysis -- Principal Components (PCA) -- Exploratory Factor Analysis (EFA) -- Confirmatory Factor Analysis(CFA) -- Structural Equation Models (SEM) with Latent Variables -- Analysis of Longitudinal Data -- Multiple Groups -- Appendix -- Basic Matrix Algebra and Statistics -- Testing Normality -- Computational Notes on Censored Regression -- Normal Scores -- Assessment of Fit -- General Statistical Theory -- Iteration Algorithms -- References. .
Sommario/riassunto	This book traces the theory and methodology of multivariate statistical analysis and shows how it can be conducted in practice using the LISREL computer program. It presents not only the typical uses of LISREL, such as confirmatory factor analysis and structural equation

models, but also several other multivariate analysis topics, including regression (univariate, multivariate, censored, logistic, and probit), generalized linear models, multilevel analysis, and principal component analysis. It provides numerous examples from several disciplines and discusses and interprets the results, illustrated with sections of output from the LISREL program, in the context of the example. The book is intended for masters and PhD students and researchers in the social, behavioral, economic and many other sciences who require a basic understanding of multivariate statistical theory and methods for their analysis of multivariate data. It can also be used as a textbook on various topics of multivariate statistical analysis.

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