1. Record Nr. UNINA9910450729003321 New developments in categorical data analysis for the social and **Titolo** behavioral sciences [[electronic resource] /] / edited by L. Andries van der Ark, Marcel A. Croon, Klaas Sijtsma Mahwah, N.J., : Lawrence Erlbaum, c2005 Pubbl/distr/stampa **ISBN** 1-283-29386-2 9786613293862 1-135-70485-6 1-4106-1202-3 Descrizione fisica 1 online resource (274 p.) Collana Quantitative methodology series Altri autori (Persone) ArkL. Andries van der CroonMarcel A SijtsmaK <1955-> (Klaas) Disciplina 300/.1/5195 Soggetti Social sciences - Statistical methods **Statistics** Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and indexes. Nota di bibliografia Nota di contenuto Contents: Preface: About the Authors: 1 Statistical Models for Categorical Variables: 2 Misclassification Phenomena in Categorical Data Analysis: Regression Toward the Mean and Tendency Toward the Mode: 3 Factor Analysis With Categorical Indicators: A Comparison Between Traditional and Latent Class Approaches; 4 Bayesian Computational Methods for Inequality Constrained Latent Class Analysis: 5 Analyzing Categorical Data by Marginal Models: 6 Computational Aspects of the E-M and Bayesian Estimation in Latent Variable Models; 7 Logistic Models for Single-Subject Time Series 8 The Effect of Missing Data Imputation on Mokken Scale Analysis9 Building IRT Models From Scratch: Graphical Models, Exchangeability, Marginal Freedom, Scale Types, and Latent Traits; 10 The Nedelsky Model for Multiple-Choice Items; 11 Application of the Polytomous

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Sommario/riassunto

Categorical data are quantified as either nominal variables--distinguishing different groups, for example, based on socio-economic status, education, and political persuasion--or ordinal variables--distinguishing levels of interest, such as the preferred politician or the preferred type of punishment for committing burglary. This new book is a collection of up-to-date studies on modern categorical data analysis methods, emphasizing their application to relevant and interesting data sets. This volume concentrates on latent class analysis and item response theory. These methods use latent