

1. Record Nr.	UNINA9910783698803321
Titolo	New developments in categorical data analysis for the social and behavioral sciences // edited by L. Andries van der Ark, Marcel A. Croon, Klaas Sijtsma
Pubbl/distr/stampa	Mahwah, N.J. : , : Lawrence Erlbaum, , 2005 ©2005
ISBN	1-283-29386-2 9786613293862 1-135-70485-6 1-4106-1202-3
Descrizione fisica	1 online resource (xii, 261 pages) : illustrations
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
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and indexes.
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 Analysis; 9 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 Saltus Model to Stage-Like Proportional Reasoning Data; 12 Multilevel IRT Model Assessment; Author Index; Subject Index

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.
