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Soggetti	Education - Research Social sciences - Statistical methods Psychometrics Educational tests and measurements Research - Methodology Sociology - Methodology Research Methods in Education Statistics in Social Sciences, Humanities, Law, Education, Behavioral Sciences, Public Policy Assessment and Testing Research Skills Sociological Methods
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Nota di contenuto	Part 1: Theoretical and Conceptual Frameworks -- 1 Objective Measurement in Psychometric Analysis -- 2 Rasch Basics for the Novice -- 3 Applying the Rasch Rating Scale Method to Questionnaire Data -- 4 Objective Measurement: How Rasch Modeling can Simplify and Enhance Your Assessment -- Part II: Rasch Model and Analysis in Education Research -- 5 Re-examining the Utility of the Individualised Classroom Environment Questionnaire (ICEQ) using the Rasch Model -- 6 Validation of University Entrance Tests through Rasch Analysis -- 7 Examining an Economics Test to inform University Student Learning using the Rasch Model -- 8 Constructs Evaluation of Student Attitudes towards Science - A Rasch Analysis -- 9 Validation of a Science Concept Instrument by Rasch Analysis -- 10 Big Changes in

Achievement between Cohorts: A True Reflection of Educational Improvement or is the Test to Blame? -- Part III: Validation Studies with Rasch Analysis -- 11 A Rasch Analysis Approach to the Development and Validation of a Social Presence Measure -- 12 Construct Validity of Computer Scored Constructed Response Items in Undergraduate Introductory Biology Courses -- 13 An Analysis of the Psychometric Properties of the Social Responsibility Goal Orientation scale using Adolescent Data from Sweden -- 14 Using Graphical Loglinear Rasch Models to Investigate the Construct Validity of the Perceived Stress Scale.

Sommario/riassunto

This book focuses on the use of the Rasch measurement model in validation studies and in analyzing the psychometric properties of a variety of test instruments, questionnaires, and scales in international contexts. It broadly examines the development and application of Rasch modeling, providing in-depth analyses of the properties of various scales used in the fields of education, and humanities and social sciences research. The book includes exemplary works on educational research and practices that highlight recent and innovative applications, as well as theoretical and practical aspects of Rasch modeling. Readers will find it helpful to understand the latest approaches to Rasch measurement in educational research, as well as practices for future studies and quantitative research. 'This book provides a diverse set of perspectives on Rasch models from scholars across the globe. The volume is both theoretical and applied. The first section of the book provides an overview of Rasch modeling and explains the theoretical and conceptual framework underlying the Rasch model. The remainder of the book highlights multiple applications of the Rasch model within educational assessment as well as several examples of how Rasch modeling can be used for validation studies. This volume showcases the wide variety of ways in which Rasch modeling can be applied to assessment data to provide insights into students' achievement and learning and to improve instruction.'—Betsy McCoach, University of Connecticut, USA. 'A well-written collection of articles. Grouped by the theoretical and applied aspects of Rasch measurement, each chapter in this edited volume makes notable contributions to knowledge and practice. Written by leading scholars in the field, these chapters were written in a clear, succinct, and assertive manner, providing readers with up-to-date information, analyses, and debates. This book should be found in the core collection of emerging researchers and established scholars in educational measurement.'—Timothy Teo, Murdoch University, Australia.
