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Titolo	Test Equating, Scaling, and Linking [[electronic resource] ] : Methods and Practices / / by Michael J. Kolen, Robert L. Brennan
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ISBN	1-4939-0317-9
Edizione	[3rd ed. 2014.]
Descrizione fisica	1 online resource (582 p.)
Collana	Statistics for Social and Behavioral Sciences, , 2199-7357
Disciplina	150.15195 371.27
Soggetti	Statistics Assessment Psychometrics Statistics for Social Sciences, Humanities, Law Assessment, Testing and Evaluation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction and Concepts -- Observed Score Equating Using the Random Groups Design -- Random Groups Smoothing in Equipercentile Equating -- Nonequivalent Groups Linear Methods -- Nonequivalent Groups Equipercentile Methods -- Item Response Theory Methods -- Standard Errors of Equating -- Practical Issues in Equating -- Score Scales -- Linking -- Appendices -- Answers to Exercises -- Computer Programs -- Index.
Sommario/riassunto	This book provides an introduction to test equating, scaling, and linking, including those concepts and practical issues that are critical for developers and all other testing professionals. In addition to statistical procedures, successful equating, scaling, and linking involves many aspects of testing, including procedures to develop tests, to administer and score tests, and to interpret scores earned on tests. Test equating methods are used with many standardized tests in education and psychology to ensure that scores from multiple test forms can be used interchangeably. Test scaling is the process of developing score scales that are used when scores on standardized

tests are reported. In test linking, scores from two or more tests are related to one another. Linking has received much recent attention, due largely to investigations of linking similarly named tests from different test publishers or tests constructed for different purposes. In recent years, researchers from the education, psychology, and statistics communities have contributed to the rapidly growing statistical and psychometric methodologies used in test equating, scaling, and linking. In addition to the literature covered in previous editions, this new edition presents coverage of significant recent research. In order to assist researchers, advanced graduate students and testing professionals, examples are used frequently, and conceptual issues are stressed. New material includes model determination in log-linear smoothing, in-depth presentation of chained linear and equipercentile equating, equating criteria, test scoring, and a new section on scores for mixed-format tests. In the third edition, each chapter contains a reference list, rather than having a single reference list at the end of the volume. The themes of the third edition include: \* the purposes of equating, scaling and linking and their practical context \* data collection designs \* statistical methodology \* designing reasonable and useful equating, scaling, and linking studies \* importance of test development and quality control processes to equating \* equating error, and the underlying statistical assumptions for equating.

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