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Descrizione fisica	1 online resource (448 pages)
Disciplina	519.5354
Soggetti	Factor analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents: Preface. Preface to the First Edition. Introduction. Basic Factor Models. Matrix Algebra and Factor Analysis. Geometric Representation of Factor Models. Diagonal and Multiple-Group Analysis. Principle Factor Solutions. Confirmatory Maximum Likelihood Solutions. Determining the Number of Factors. Rotation and Interpretation of Factors. Rotation. Higher-Order Factors. Factor Scores. Relating Factors Across Studies. Data Transformations and Indices of Association. Two- and Three-Mode Factor Analysis. The Replication and Invariance of Factors. Factor Analysis as a Research Technique. Epilogue. Appendices: Data for Examples. Computer Programs for Factor Analysis. Accuracy of Computer Processing.
Sommario/riassunto	Comprehensive and comprehensible, this classic covers the basic and advanced topics essential for using factor analysis as a scientific tool in psychology, education, sociology, and related areas. Emphasizing the usefulness of the techniques, it presents sufficient mathematical background for understanding and sufficient discussion of applications for effective use. This includes not only theory but also the empirical evaluations of the importance of mathematical distinctions for applied scientific analysis.