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Titolo	Methods for the analysis of asymmetric proximity data // Giuseppe Bove, Akinori Okada and Donatella Vicari
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Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (X, 194 p. 68 illus., 39 illus. in color.)
Collana	Behaviormetrics: Quantitative Approaches to Human Behavior, , 2524-4035 ; ; 7
Disciplina	519.24
Soggetti	Asymptotic distribution (Probability theory) Statistics Estadística Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Methods for direct representation of asymmetry -- Analysis of symmetry and skew-symmetry -- Cluster analysis for asymmetry -- Multiway models -- Software. .
Sommario/riassunto	This book provides an accessible introduction and practical guidelines to apply asymmetric multidimensional scaling, cluster analysis, and related methods to asymmetric one-mode two-way and three-way asymmetric data. A major objective of this book is to present to applied researchers a set of methods and algorithms for graphical representation and clustering of asymmetric relationships. Data frequently concern measurements of asymmetric relationships between pairs of objects from a given set (e.g., subjects, variables, attributes, ...), collected in one or more matrices. Examples abound in many different fields such as psychology, sociology, marketing research, and linguistics and more recently several applications have appeared in technological areas including cybernetics, air traffic control, robotics, and network analysis. The capabilities of the presented algorithms are illustrated by carefully chosen examples and supported by extensive data analyses. A review of the specialized statistical software available

for the applications is also provided. This monograph is highly recommended to readers who need a complete and up-to-date reference on methods for asymmetric proximity data analysis.
