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Record Nr.	UNISA996418251303316
Titolo	Advanced studies in classification and data science / / Tadashi Imaizumi [and five others], editors
Pubbl/distr/stampa	Gateway East, Singapore : , : Springer, , [2020] ©2020
ISBN	981-15-3311-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XI, 524 p. 121 illus., 64 illus. in color.)
Collana	Studies in classification, data analysis, and knowledge organization
Disciplina	519.5
Soggetti	Mathematical statistics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Multilevel model-based clustering: A new proposal of maximum-a-posteriori assignment -- Chapter 2. Multi-citeria classifications in regional development modelling -- Chapter 3. Non-parametric latent modeling and network clustering -- Chapter 4. Efficient, Geometrically-adaptive Techniques for Multiscale Gaussian-kernel SVM Classification -- Chapter 5. Random forests followed by computed ABC analysis as a feature selection method for machine-learning in biomedical data -- Chapter 6. Non-Hierarchical Clustering for Large Data without Recalculating Cluster Center -- Chapter 7. Supervised Nested Algorithm for Classification based on K-means -- Chapter 8. Using Classification of Regions Based on the Complexity of the Global Progress Indices for Supporting Development in Competitiveness -- Chapter 9. Estimation Methods Based on Weighting Clusters -- Chapter 10. Five Strategies for Accommodating Overdispersion in Simple Correspondence Analysis -- Chapter 11. From Joint Graphical Display to Bi-Modal Clustering: [2] Dual Space Versus Total Space -- Chapter 12. Linear Time Visualization and Search in Big Data using Pixellated Factor Space Mapping -- Chapter 13. From Joint Graphical Display to Bi-Modal Clustering: [1] A Giant Leap in Quantication Theory -- Chapter 14. External Logistic Biplots for Mixed Types of Data -- Chapter 15. Functional clustering approach for analysis of concentration -- Chapter 16. Generalized additive models for the detection of copy number variations (CNVs) using multi gene

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Sommario/riassunto

This edited volume focuses on the latest developments in classification and data science and covers a wide range of topics in the context of data analysis and related areas, e.g. the analysis of complex data, analysis of qualitative data, methods for high-dimensional data, dimensionality reduction, data visualization, multivariate statistical methods, and various applications to real data in the social sciences, medical sciences, and other disciplines. In addition to sharing theoretical and methodological findings, the book shows how to apply the proposed methods to a variety of problems — e.g. in consumer behavior, decision-making, marketing data and social network structures. Both methodological aspects and applications to a wide range of areas such as economics, behavioral science, marketing science, management science and the social sciences are covered. The book is chiefly intended for researchers and practitioners who are interested in the latest developments and practical applications in these fields, as well as applied statisticians and data analysts. Its combination of methodological advances with a wide range of real-world applications gathered from several fields makes it of unique value in helping readers solve their research problems.