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Classification, Clustering, and Data Analysis

By Jajuga, Krzysztof / Sokolowski, Andrzej

Book Condition: New. Publisher/Verlag: Springer, Berlin | Recent Advances and Applications | This book deals with recent developments in classification and data analysis and presents new topics which are of central interest to modern statistics. In particular, these include: classification models and clustering methods, multivariate data analysis, symbolic data, neural networks and learning devices, phylogeny and bioinformatics, new software systems for classification and data analysis, as well as applications in social, economic, biological, medical and other sciences. The book presents a long list of useful methods for classification, clustering and data analysis. By combining theoretical aspects with practical problems it is designed for researchers as well as for applied statisticians and will support the fast transfer of new methodological advances to a wide range of applications. | I. Clustering and Discrimination.- Clustering.- Some Thoughts about Classification.- Partial Defuzzification of Fuzzy Clusters.- A New Clustering Approach, Based on the Estimation of the Probability Density Function, for Gene Expression Data.- Two-mode Partitioning: Review of Methods and Application of Tabu Search.- Dynamical Clustering of Interval Data Optimization of an Adequacy Criterion Based on Hausdorff Distance.- Removing Separation Conditions in a 1 against 3-Components Gaussian Mixture Problem.- Obtaining Partitions of a Set of...



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