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Nota di contenuto	Cluster Validation Analysis on Attribute Relative of Soft Set Theory -- Optimizing Weights in Elman Recurrent Neural Networks with Wolf Search Algorithm -- Optimization of ANFIS using Artificial Bee Colony Algorithm for Classification of Malaysian SMEs -- Forecasting of Malaysian Oil Production and Oil Consumption Using Fuzzy Time Series -- A Fuzzy TOPSIS with Z-Numbers Approach for Evaluation on Accident at the Construction Site -- Formation Control Optimization for Odor Localization -- A New Search Direction for Broyden's Family Method in Solving Unconstrained Optimization Problems -- Improved Functional Link Neural Network Learning Using Modified Bee-Firefly Algorithm for Classification Task -- Artificial Neural Network with Hyperbolic Tangent Activation Function to Improve the Accuracy of COCOMO II Model -- A study of data imputation using Fuzzy C-Means with Particle Swarm Optimization. .

Sommario/riassunto

This book provides a comprehensive introduction and practical look at the concepts and techniques readers need to get the most out of their data in real-world, large-scale data mining projects. It also guides readers through the data-analytic thinking necessary for extracting useful knowledge and business value from the data. The book is based on the Soft Computing and Data Mining (SCDM-16) conference, which was held in Bandung, Indonesia on August 18th–20th 2016 to discuss the state of the art in soft computing techniques, and offer participants sufficient knowledge to tackle a wide range of complex systems. The scope of the conference is reflected in the book, which presents a balance of soft computing techniques and data mining approaches. The two constituents are introduced to the reader systematically and brought together using different combinations of applications and practices. It offers engineers, data analysts, practitioners, scientists and managers the insights into the concepts, tools and techniques employed, and as such enables them to better understand the design choice and options of soft computing techniques and data mining approaches that are necessary to thrive in this data-driven ecosystem.
