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Nota di contenuto	State and Trends of Machine Learning Approaches in Business: An Empirical Review -- Piecewise Demodulation based on Combined Artificial Neural Network for Quadrature Frequency Shift Keying Communication Signals -- A New Variable Ordering Method for the K2 Algorithm -- A Benefit Optimization Approach to the Evaluation of Classification Algorithms -- Financial Fraud Detection through Artificial Intelligence -- Deep Learning-based Software Energy Consumption Profiling -- Prediction of Potential Bank Customers: Application on Data Mining -- The Model Selection Methods for Sparse Biological Networks -- A Hybrid Approach for the Sentiment Analysis of Turkish Twitter Data -- Text Mining and Statistical Learning for the Analysis of the Voice of the Customer -- Effect the Number of Reservations on Implementation of Operating Room Scheduling with Genetic Algorithm -- Statistical Learning Applied to Malware Detection -- Improved Social Spider Algorithm via Differential Evolution -- On the Prediction of Possibly Forgotten Shopping Basket items -- Selection and Training of

School Administrators in Different Countries -- A Walking and Balance Analysis Based on Pedobarography -- On the Notion of Structure Species in the Bourbaki's Sense.

Sommario/riassunto

This book features research presented at the 1st International Conference on Artificial Intelligence and Applied Mathematics in Engineering, held on 20–22 April 2019 at Antalya, Manavgat (Turkey). In today's world, various engineering areas are essential components of technological innovations and effective real-world solutions for a better future. In this context, the book focuses on problems in engineering and discusses research using artificial intelligence and applied mathematics. Intended for scientists, experts, M.Sc. and Ph.D. students, postdocs and anyone interested in the subjects covered, the book can also be used as a reference resource for courses related to artificial intelligence and applied mathematics.
