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Nota di contenuto	Supporting Creation of FAQ Dataset for E-learning Chatbot -- Predicting Expected Profit in On-Going Peer-to-Peer Loans with Survival Analysis Based Profit Scoring -- On Developing a Framework for Knowledge-based Learning Indicator System in the Context of Learning Analytic -- Decision-making Support Using Nonmonotonic Probabilistic Reasoning -- Practical Application of the SIML Estimation of Covariance, Correlation and Hedging Ratio with High-Frequency Financial Data -- Stimulation of Horizontally Polarized Transverse Waves with the Help of Electromagnetic-Acoustic Transducer -- Fuzzy Cognitive Modeling: Theoretical and Practical Considerations -- Fuzzy Cognitive Maps: a Business Intelligence Discussion -- IVIFCM-TOPSIS for Bank Credit Risk Assessment -- Intelligent Diagnosis of Discrete-Event Systems with Preprocessing of Critical Scenarios -- Multiagent-based Decision Support Systems in Smart Microgrids -- Modelling Loss Given Default in Peer-to-Peer Lending using Random Forests -- Identifying Images with Ladders using Deep CNN Transfer Learning --

Syntax and Semantics Based Decision Making The Case of Music Information Processing -- Mining Incomplete Data - A Comparison of Concept and New Global Probabilistic Approximations -- Apache Spark as a Tool for Parallel Population-Based Optimization -- A GIS for Data Mining in Seismic Microzonation Studies -- Gene Expression Programming Classifier with Concept Drift Detection Based on Fishers Exact Test -- Experimental Evaluation of A-Teams Solving Resource Availability Cost Problem -- Text Classification using LDA-W2V Hybrid Algorithm -- Smartphone-Based Drivers Context Recognition -- Towards an Automated Assessment of Musculoskeletal Insufficiencies -- Regulatory Information Management Systems, as a Means for Ensuring the Pharmaceutical Data Continuity and Risk Management -- DMRA-MCP: A Distributed Map Reduce Applications Deployments in a Multi-Clouds Platform Based on Cloud Broker Architecture -- Integral Assessment of Efficiency of Scientific Research in Scientific Institutions of Russian Ministry of Health -- Functional Programming Patterns in JavaScript -- Measures to Design Secure Cyber-Physical Things -- Intrusion Detection in Wireless Sensor Networks by an Ensemble of Artificial Neural Networks -- Decision Support for Network Path Estimation via Automated Reasoning -- Knowledge Representation to Support Partially Automated Honeypot Analysis Based on Wireshark Packet Capture Files.

Sommario/riassunto

The book presents a collection of peer-reviewed articles from the 11th KES International Conference on Intelligent Decision Technologies (KES-IDT-19), held Malta on 17–19 June 2019. The conference provided opportunities for the presentation of new research results and discussion about them. It was also an opportunity to generation of new ideas in the field of intelligent decision making. The range of topics explored is wide, and covers methods of classification, prediction, data analysis, decision support, modelling and many more in such areas as finance, cybersecurity, economy, health, management and transportation. The topics cover also problems of data science, signal processing and knowledge engineering.
