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Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 10387
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Soggetti	Application software Artificial intelligence Data mining Computer system failures Algorithms Information Systems Applications (incl. Internet) Artificial Intelligence Data Mining and Knowledge Discovery System Performance and Evaluation Algorithm Analysis and Problem Complexity
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Association Analysis -- A Process for Exploring Employees' Relationships via Social Network and Sentiment Analysis -- Mining Relationship between User Purposes and Product Features towards Purpose-Oriented Recommendation -- Finding Top-k Fuzzy Frequent Itemsets from Databases -- Association Rule Mining in Healthcare Analytics -- Does Student's Diligence to Study Relate to His/Her Academic Performance -- Correlation anaylsis of diesel engine performance testing data based on mixed-copula method -- Clustering -- Comparative Study of Apache Spark MLlib Clustering Algorithms -- l-DP algorithm: a hybrid density peaks clustering -- Prediction -- Incremental Adaptive Time Series Prediction for Power Demand

Forecasting -- Food Sales Prediction with Meteorological Data { A Case Study of a Japanese Chain Supermarket -- Cascade Spatial Autoregression for Air Pollution Prediction -- Machine Learning Techniques for Prediction of Pre-fetched Objects in Handling Big Data Storage -- Classification -- Spectral-Spatial Mineral Classification Of Lunar Surface Using Band Parameters With Active Learning -- R2CEDM: A Rete-based RFID Complex Event Detection Method -- Learning Analytics for SNS-Integrated Virtual Learning Environment -- LBP vs. LBP Variance for Texture Classification -- A Decision Tree Of Ignition Point For Simple Inflammable Chemical Compounds -- Analyzing Consumption Behaviors of Pet Owners in a Veterinary Hospital -- Schedule and Sequence Analysis -- Modeling Inter-Country Connection from Geotagged News Reports: A Time-Series Analysis -- Mining Sequential Patterns of Students' Access on Learning Management System -- Design of a dynamic electricity trade scheduler based on genetic algorithms -- Increasing Coverage of Information Spreading in Social Networks with Supporting Seeding -- Big Data -- B-Learning and Big Data: Use in Training an Engineering Course -- Mapping Knowledge Domain Research in Big Data: From 2006 to 2016 -- Template based Industrial Big Data Information Extraction and Query System -- Finding the Typical Communication Black Hole in Big Data Environment -- A Solution for Mining Big Data Based on Distributed Data Streams and Its Classifying Algorithms -- Data Analysis -- Design of a Quality-Aware Data Capture System -- Data Architecture for the Internet of Things and Industry 4.0 -- Machine Learning in Data Lake for Combining Data Silos -- Development of 3D Earth Visualization for Taiwan Ocean Environment Demonstration -- Exploring Potential Use of Mobile Phone Data Resource to Analyze Inter-Regional Travel Patterns in Japan -- REBUILD:Graph Embedding Based Method for User Social Role Identity on Mobile Communication Network -- Study A Join Query Strategy over Data Stream Based on Sliding Windows -- Data Mining -- L2 Learners' Proficiency Evaluation Using Statistics Based on Relationship among CEFR Rating Scales -- Research Hotspots and Trends in Data Mining: From 1993 to 2016 -- Proposal for a New Reduct Method for Decision Tables and an Improved STRIM -- Post-marketing Drug Safety Evaluation using Data Mining Based on FAERS -- Crowd density estimation from few RF tracking devices: I. Modelling Framework -- Text Mining -- Mining Textual Reviews with Hierarchical Latent Tree Analysis -- Extraction of Temporal Events from Clinical Text using Semi-Supervised Conditional Random Fields -- Characteristics of language usage in inquires asked to an online help desk -- Deep Learning -- A Novel Diagnosis Method for SZ by Deep Neural Networks -- A Novel Data-driven Fault Diagnosis Method Based on Deep Learning -- High Performance Computing -- Simulated Precipitation and Reservoir Inflow in the Chao Phraya River Basin by Multi-Model Ensemble CMIP3 & CMIP5 -- An IDL-Based Parallel Model for Scientific Computations on Multi-Core Computers -- Accelerating Redis with RDMA over InfiniBand -- Knowledge Base and its Framework -- Application of Decision Trees in the Development of a Knowledge Base for a System of Support for Revitalization Processes -- ABC Metaheuristic Based Optimized Adaptation Planning Logic for Decision Making Intelligent Agents in Self Adaptive Software System -- A Knowledge-based Framework for Mitigating Hydro-Meteorological Disasters -- Fuzzy Control -- Improved Stability and Stabilization Criteria for T-S Fuzzy Systems with Distributed Time-Delay -- Adaptive Neuro-Fuzzy Inference System: Overview, Strengths, Limitations, and Solutions -- Acquisition of Knowledge in the Form of Fuzzy Rules for Cases Classification.

Sommario/riassunto

This book constitutes the refereed proceedings of the Second International Conference on Data Mining and Big Data, DMBD 2017, held in Fukuoka, Japan, in July/August 2017. The 53 papers presented in this volume were carefully reviewed and selected from 96 submissions. They were organized in topical sections named: association analysis; clustering; prediction; classification; schedule and sequence analysis; big data; data analysis; data mining; text mining; deep learning; high performance computing; knowledge base and its framework; and fuzzy control. .