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| Soggetti | Artificial intelligence Data mining Information storage and retrieval systems Application software Natural language processing (Computer science) Computer networks Artificial Intelligence Data Mining and Knowledge Discovery Information Storage and Retrieval Computer and Information Systems Applications Natural Language Processing (NLP) Computer Communication Networks |
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| Nota di contenuto | Database and Distributed Machine Learning -- Querying and Mining Strings Made Easy Distributed Training Large-Scale Deep Architectures -- Fault Detection and Localization in Distributed Systems using Recurrent Convolutional Neural Networks -- Discovering Group Skylines with Constraints by Early Candidate Pruning -- Comparing MapReduce-Based k-NN Similarity Joins On Hadoop For High-dimensional Data -- A Higher-Fidelity Frugal Quantile Estimator -- Recommender System -- Fair Recommendations Through Diversity |

Promotion -- A Hierarchical Bayesian Factorization Model for Implicit and Explicit Feedback Data -- Empirical Analysis of Factors Influencing Twitter Hashtag Recommendation on Detected Communities -- Group Recommender Model Based on Preference Interaction -- Identification of Grey Sheep Users By Histogram Intersection In Recommender Systems -- Social Network and Social Media -- A Feature-based Approach for the Redefined Link Prediction Problem in Signed Networks -- From Mutual Friends to Overlapping Community Detection: A Non-negative Matrix Factorization Approach -- Calling for Response: Automatically Distinguishing Situation-aware Tweets During Crises -- Efficient Revenue Maximization for Viral Marketing in Social Networks -- Generating Life Course Trajectory Sequences with Recurrent Neural Networks and Application to Early Detection on Social Disadvantage -- FRISK: A Multilingual Approach to Find twitter InterestS via wikipedia -- A Solution to Tweet-Based User Identification across Online Social Networks -- Machine Learning -- Supervised Feature Selection Algorithm Based on Low-Rank and Manifold Learning -- Mixed Membership Sparse Gaussian Conditional Random Fields -- Effects of Dynamic Subspacing in Random Forest -- Diversity and Locality in Multi-Component, Multi-Layer Predictive Systems: A Mutual Information Based Approach -- Hybrid Subspace Mixture Models For Prediction and Anomaly Detection in High Dimensions -- Classification and Clustering Methods -- StruClus: Scalable Structural Graph Set Clustering with Representative Sampling -- Employing Hierarchical Clustering and Reinforcement Learning for Attribute-based Zero-Shot Classification -- Environmental Sound Recognition using Masked Conditional Neural Networks -- Analyzing Performance of Classification Techniques in Detecting Epileptic Seizure -- A Framework for Clustering and Dynamic Maintenance of XML Documents -- Language-independent Twitter Classification using Character-based Convolutional Networks -- Behavior Modeling and User Profiling -- Modeling Check-in Behavior with Geographical Neighborhood Influence of Venues -- An empirical study on collective online behaviors of extremist supporters. -Your Moves, Your Device: Establishing Behavior Profiles using Tensors -- An Approach for Identifying Author Profiles of Blogs -- Generating Topics of Interests for Research Communities -- An Evolutionary Approach for Learning Conditional Preference Network from Inconsistent Examples -- Bioinformatic and Medical Data Analysis -- Predicting Clinical Outcomes of Alzheimer's Disease from Complex Brain Networks -- Doctoral Advisor or Medical Condition: Towards Entity-specific Rankings of Knowledge Base Properties -- Multiclass Lung Cancer Diagnosis by Gene Expression Programming and Microarray Datasets -- Drug-drug Interaction Extraction via Recurrent Neural Network with Multiple Attention Layers -- Spatio-temporal Data -- People-Centric Mobile Crowdsensing Platform for Urban Design -- Long-Term User Location Prediction Using Deep Learning and Periodic Pattern Mining -- An Intelligent Weighted Fuzzy Time Series Model Based on A Sine-Cosine Adaptive Human Learning Optimization Algorithm and Its Application to Financial Markets Forecasting -- Mobile Robot Scheduling with Multiple Trips and Time Windows -- Natural Language Processing and Text Mining -- Feature Analysis for Duplicate Detection in Programming QA Communities -- A Joint Human/Machine Process for Coding Events and Conflict Drivers -- Quality Prediction of Newly Proposed Questions in CQA by Leveraging Weakly Supervised Learning -- Improving Chinese Sentiment Analysis via Segmentation-based Representation Using Parallel CNN -- Entity Recognition by Distant Supervision with Soft List Constraint -- Structured Sentiment Analysis -- Data Mining Applications --

Improving Real-Time Bidding Using a Constrained Markov Decision Process -- PowerLSTM: Power Demand Forecasting Using Long Short-Term Memory Neural Network -- Identifying Unreliable Sensors Without a Knowledge of the Ground Truth in Deceptive Environments -- Color-sketch simulator: a guide for color-based visual known-item search -- Applications -- Making Use of External Company Data to Improve the Classification of Bank Transactions -- Mining Load Profile Patterns for Australian Electricity Consumers -- STA: a Spatio-temporal Thematic Analytics Framework for Urban Ground Sensing -- Privacy and Utility Preservation for Location Data Using Stay Region Analysis -- Location-aware Human Activity Recognition -- Demos -- SWYSWYK: a new Sharing Paradigm for the Personal Cloud -- Tools and Infrastructure for Supporting Enterprise Knowledge Graphs -- An Interactive Web-based Toolset for Knowledge Discovery from Short Text Log Data -- Carbon: Forecasting Civil Unrest Events by Monitoring News and Social Media -- A system for Querying and Analyzing Urban Regions -- Detect tracking behavior among trajectory data.

Sommario/riassunto

This book constitutes the refereed proceedings of the 13th International Conference on Advanced Data Mining and Applications, ADMA 2017, held in Singapore in November 2017. The 20 full and 38 short papers presented in this volume were carefully reviewed and selected from 118 submissions. The papers were organized in topical sections named: database and distributed machine learning; recommender system; social network and social media; machine learning; classification and clustering methods; behavior modeling and user profiling; bioinformatics and medical data analysis; spatio-temporal data; natural language processing and text mining; data mining applications; applications; and demos. .
