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   Nota di contenuto Data Mining -- A New Improved Apriori Algorithm Based on
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                     High-Utility Itemsets with Transaction Insertion -- Mining Frequent
                     Closed Sequential Patterns with Non-user-defined Gap Constraints --
                     High Utility Episode Mining Made Practical and Fast -- Social Network
                     and Social Media -- Community Dynamics: Event and Role Analysis in
                     Social Network Analysis -- Local Community Extraction for Non-
                     overlapping and Overlapping Community Detection -- Discovery of
                     Tampered Image with Robust Hashing -- TweeProfiles: Detection of
                     Spatio-temporal Patterns on Twitter -- Real-Time Event Detection

Based on Geo Extraction and Temporal Analysis -- An Automatic Unsupervised Method Based on Context-Sensitive Spectral Angle Mapper for Change Detection of Remote Sensing Images -- Recommend System -- A Personalized Travel System Based on Crowdsourcing Model -- Difference Factor' KNN Collaborative Filtering Recommendation Algorithm -- A Reputation-Enhanced Recommender System -- An Empirical Methodology to Analyze the Behavior of Bagging -- Context-Aware Recommendation Using GPU Based Parallel Tensor Decomposition -- Location-Based Recommendation Using Incremental Tensor Factorization Model -- Database Mining Continuous Activity Patterns from Animal Trajectory Data -- Personalized Privacy Protection for Transactional Data -- A Hybrid Algorithm for Privacy Preserving Social Network Publication -- Achieving Absolute Privacy Preservation in Continuous Query Road Network Services -- A C-DBSCAN Algorithm for Determining Bus-Stop Locations Based on Taxi GPS Data -- A Secure and Efficient Privacy-Preserving Attribute Matchmaking Protocol in Proximity-Based Mobile Social Networks -- Dimensionality Reduction -- A New Filter Approach Based on Generalized Data Field -- A Stable Instance Based Filter for Feature Selection inSmall Sample Size Data Sets -- Multi-label Feature Selection via Information Gain -- Efficient kNN Algorithm Based on Graph Sparse Reconstruction -- On Dynamic Selection of Subspace for Random Forest -- Dimensionally Reduction: An Experimental Study -- Advance Machine Learning Techniques -- Efficient Deep Learning Algorithm with Accelerating Inference Strategy -- Multi-angle Evaluations of Test Cases Based on Dynamic Analysis -- An Interest-Based Clustering Method for Web Information Visualization -- A Serial Sample Selection Framework for Active Learning -- Map Matching for Taxi GPS Data with Extreme Learning Machine -- A Segment-Wise Method for Pseudo Periodic Time Series Prediction -- Classification -- Constructing Decision Trees for Unstructured Data -- Attack Type Prediction Using Hybrid Classifier -- kNN Algorithm with Data-Driven k Value -- Topology Potential-Based Parameter Selecting for Support Vector Machine -- Active Multi-label Learning with Optimal Label Subset Selection -- Merging Decision Trees: A Case Study in Predicting Student Performance -- Big Data and Applications -- Faster MaxScore Query Processing with Essential List Skipping -- Selecting Representative Objects from Large Database by Using K-Skyband and Top-k Dominating Queries in MapReduce Environment -- Towards Positive Unlabeled Learning for Parallel Data Mining: A Random Forest Framework -- Program Verification by Reachability Searching over Dynamic Call Tree -- CinHBa: A Secondary Index with Hotscore Caching Policy on Key-Value Data Store -- Towards Ontology-Enhanced Cloud Services Discovery -- Clustering Methods -- A Huffman Tree-Based Algorithm for Clustering Documents. -Improved Spectral Clustering Algorithm Based on Similarity Measure -- A Partition Clustering Algorithm for Transaction Database Based on FCM -- Machine Learning -- Discernibility Matrix Enriching and Boolean-And Algorithm for Attributes Reduction -- Smart Partitioning for Product DSM Model Based on Improved Genetic Algorithm -- A New Method for ImageUnderstanding and Retrieval Using Text-Mined Knowledge -- A Web Table Extraction Method Based on Structure and Ontology -- Data Mining and Database -- Block Nested Join and Sort Merge Join Algorithms: An Empirical Evaluation -- The Design of Power Security System in Smart Home Based on the Stream Data Mining -- Agent-Based Privacy Aware Feedback System.

Sommario/riassunto

This book constitutes the proceedings of the 10th International Conference on Advanced Data Mining and Applications, ADMA 2014,

held in Guilin, China during December 2014. The 48 regular papers and 10 workshop papers presented in this volume were carefully reviewed and selected from 90 submissions. They deal with the following topics: data mining, social network and social media, recommend systems, database, dimensionality reduction, advance machine learning techniques, classification, big data and applications, clustering methods, machine learning, and data mining and database.