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Nota di contenuto	The 6th International Workshop on Big Data Management and Service (BDSM 2019) -- A Probabilistic Approach for Inferring Latent Entity Associations in Textual Web Contents -- UHRP Uncertainty-Based Pruning Method for Anonymized Data Linear Regression -- Meta-path based MiRNA-disease Association Prediction -- Medical Question Retrieval based on Siamese Neural Network and Transfer learning

method -- An adaptive Kalman filter based Ocean Wave Prediction Model using Motion Reference Unit Data -- ASLM: Adaptive Single Layer Model for Learned Index -- SparseMAAC: Sparse Attention for Multi-Agent Reinforcement Learning -- The 4th International Workshop on Big Data Quality Management (BDQM 2019) -- Identifying Reference Relationship of Desktop Files Based on Access Logs -- Visualization of Photo Album: Selecting a Representative Photo of a Specific Event -- Data Quality Management in Institutional Research Output Data Center -- Generalized Bayesian Structure Learning from Noisy Datasets -- The Third International Workshop on Graph Data Management and Analysis (GDMA 2019) -- ANDMC: An Algorithm for Author Name Disambiguation Based on Molecular Cross Clustering -- Graph Based Aspect Extraction and Rating Classification of Customer Review Data -- Streaming Massive Electric Power Data Analysis Based on Spark Streaming -- Short Papers -- Deletion Robust k-Coverage Queries -- Episodic Memory Network with Self-Attention for Emotion Detection -- Detecting Suicidal Ideation with Data Protection in Online Communities -- Hierarchical Conceptual Labeling -- Anomaly Detection in Time-Evolving Attributed Networks -- A Multi-task Learning Framework for Automatic Early Detection of Alzheimer's -- Top-k Spatial Keyword Query with Typicality and Semantics -- Align Reviews with Topics in Attention Network for Rating Prediction -- PSMSP: A Parallelized Sampling-based Approach for Mining Top-k Sequential Patterns in Database Graphs -- Value-Oriented Ranking of Online Reviews Based on Reviewer-influenced Graph -- Ancient Chinese Landscape Painting Composition Classification by Using Semantic Variational Autoencoder -- Learning Time-Aware Distributed Representations of Locations from Spatio-Temporal Trajectories -- Hyper2vec: Biased Random Walk for Hyper-Network Embedding -- Privacy-preserving and dynamic spatial range aggregation query processing in wireless sensor networks -- Adversarial Discriminative Denoising for Distant Supervision Relation Extraction -- Nonnegative Spectral Clustering for Large-Scale Semi-Supervised Learning -- Distributed PARAFAC Decomposition Method based on In-Memory Big Data System -- GPU-Accelerated Dynamic Graph Coloring -- Relevance-based Entity Embedding -- An Iterative Map-Trajectory Co-Optimisation Framework Based on Map-Matching and Map Update -- Exploring Regularity in Traditional Chinese Medicine Clinical Data Using Heterogeneous Weighted Networks Embedding -- AGREE: Attentive Tour Group Recommendation with Multi-Modal Data -- Random Decision DAG: An Entropy Based Compression Approach for Random Forest -- Generating Behavior Features for Cold-Start Spam Review Detection -- TCL: Tensor-CNN-LSTM for Travel Time Prediction with Sparse Trajectory Data -- A Semi-supervised Classification Approach for Multiple Time-varying Networks with Total Variation -- Multidimensional Skylines Over Streaming Data -- A domain adaptation approach for multistream classification -- Gradient Boosting Censored Regression for Winning Price Prediction in Real-Time Bidding -- Deep Sequential Multi-task Modeling for Next Check-in Time and Location Prediction -- SemiSync: Semi-supervised Clustering by Synchronization -- Neural Review Rating Prediction with Hierarchical Attentions and Latent Factors -- MVS-match: An Efficient Subsequence Matching Approach Based on the Series Synopsis -- Temporal-Spatial Recommendation for On-demand Cinemas -- Finding the key influences on the house price by Finite Mixture Model based on the real estate data in Changchun -- Semi-supervised Clustering with Deep Metric Learning -- Spatial Bottleneck Minimum Task Assignment with Time-delay -- A Mimic Learning Method for Disease Risk Prediction with Incomplete Initial Data -- Hospitalization Behavior

Prediction Based on Attention and Time Adjustment Factors in Bidirectional LSTM -- Modeling Item Category for Effective Recommendation -- Distributed Reachability Queries on Massive Graphs -- Edge-Based Shortest Path Caching in Road Networks -- Extracting Definitions and Hypernyms with a Two-Phase Framework -- Tag Recommendation by Word-Level Tag Sequence Modeling -- A New Statistics Collecting Method with Adaptive Strategy -- Word Sense Disambiguation with Massive Contextual Texts -- Learning DMEs from Positive and Negative Examples -- Serial and Parallel Recurrent Convolutional Neural Networks for Biomedical Named Entity Recognition -- DRGAN: A GAN-based Framework for Doctor Recommendation in Chinese On-line QA Communities -- Attention-based Abnormal-Aware Fusion Network for Radiology Report Generation -- LearningTour: A Machine Learning Approach for Tour Recommendation based on Users' Historical Travel Experience -- TF-Miner: Topic-specific Facet Mining by Label Propagation -- Fast Raft Replication for Transactional Database Systems over Unreliable Networks -- Parallelizing Big De Bruijn Graph Traversal for Genome Assembly on GPU Clusters -- GScan: Exploiting Sequential Scans for Subgraph Matching -- SIMD Accelerates the Probe Phase of Star Joins in Main Memory Databases -- A Deep Recommendation Model Incorporating Adaptive Knowledge-based Representations -- BLOMA: Explain Collaborative Filtering via Boosted Local Rank-One Matrix Approximation -- Spatiotemporal-Aware Region Recommendation with Deep Metric Learning -- On the Impact of the Length of Subword Vectors on Word Embeddings -- Using Dilated Residual Network to Model Distant Supervision Relation Extraction -- Modeling More Globally: A Hierarchical Attention Network via Multi-Task Learning for Aspect-Based Sentiment Analysis -- A Sparse Matrix-based Join for SPARQL Query Processing -- Change Point Detection for Streaming High-Dimensional time series -- Demo Papers -- Distributed Query Engine for Multiple-Query Optimization over Data Stream -- Adding Value by Combining Business and Sensor Data: An Industry 4.0 Use Case -- AgriKG: An Agricultural Knowledge Graph and Its Applications -- KGVis: An Interactive Visual Query Language for Knowledge Graphs -- OperaMiner: Extracting Character Relations from Opera Scripts using Deep Neural Networks -- GparMiner: A System to mine Graph Pattern Association Rules -- A Data Publishing System Based on Privacy Preservation -- Privacy as a Service: Publishing Data and Models -- Dynamic Bus Route Adjustment Based on Hot Bus Stop Pair Extraction -- DHDSearch: A Framework for Batch Time Series Searching on MapReduce -- Bus Stop Refinement based on Hot Spot Extraction -- Adaptive Transaction Scheduling for Highly Contended Workloads -- IMOptimizer: An Online Interactive Parameter Optimization System based on Big Data -- Tutorial Papers -- Cohesive Subgraphs with Hierarchical Decomposition on Big Graphs -- Tracking User Behaviours: Laboratory-Based and In-The-Wild User S -- Mining Knowledge Graphs for Vision Tasks -- Enterprise Knowledge Graph From Specific Business Task to Enterprise Knowledge Management -- Knowledge Graph Data Management -- Deep learning for Healthcare Data Processing.

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## Sommario/riassunto

This book constitutes the workshop proceedings of the 24th International Conference on Database Systems for Advanced Applications, DASFAA 2019, held in Chiang Mai, Thailand, in April 2019. The 14 full papers presented were carefully selected and reviewed from 26 submissions to the three following workshops: the 6th International Workshop on Big Data Management and Service, BDMS 2019; the 4th International Workshop on Big Data Quality Management, BDQM 2019; and the Third International Workshop on Graph Data

Management and Analysis, GDMA 2019. This volume also includes the short papers, demo papers, and tutorial papers of the main conference DASFAA 2019.

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