

Contents – Part II

AUC-Maximized Deep Convolutional Neural Fields for Protein Sequence Labeling	1
<i>Sheng Wang, Siqi Sun, and Jinbo Xu</i>	
A Novel Incremental Covariance-Guided One-Class Support Vector Machine	17
<i>Takoua Kefi, Riadh Ksantini, Mohamed Bécha Kaâniche, and Adel Bouhoula</i>	
Learning Efficiently in Semantic Based Regularization	33
<i>Michelangelo Diligenti, Marco Gori, and Vincenzo Scoca</i>	
Persistent Roles in Online Social Networks	47
<i>Matt Revelle, Carlotta Domeniconi, and Aditya Johri</i>	
A Split-Merge DP-means Algorithm to Avoid Local Minima	63
<i>Shigeyuki Odashima, Miwa Ueki, and Naoyuki Sawasaki</i>	
Efficient Distributed Decision Trees for Robust Regression	79
<i>Tian Guo, Konstantin Kutzkov, Mohamed Ahmed, Jean-Paul Calbimonte, and Karl Aberer</i>	
Fast Hoeffding Drift Detection Method for Evolving Data Streams	96
<i>Ali Pesaranghader and Herna L. Viktor</i>	
Differentially Private User Data Perturbation with Multi-level Privacy Controls	112
<i>Yilin Shen, Rui Chen, and Hongxia Jin</i>	
On Dynamic Feature Weighting for Feature Drifting Data Streams	129
<i>Jean Paul Barddal, Heitor Murilo Gomes, Fabrício Enembreck, Bernhard Pfahringer, and Albert Bifet</i>	
Modeling Sequential Preferences with Dynamic User and Context Factors . . .	145
<i>Duc-Trong Le, Yuan Fang, and Hady W. Lauw</i>	
Node Re-Ordering as a Means of Anomaly Detection in Time-Evolving Graphs	162
<i>Lida Rashidi, Andrey Kan, James Bailey, Jeffrey Chan, Christopher Leckie, Wei Liu, Sutharshan Rajasegarar, and Kotagiri Ramamohanarao</i>	

Building Ensembles of Adaptive Nested Dichotomies with Random-Pair Selection	179
<i>Tim Leathart, Bernhard Pfahringer, and Eibe Frank</i>	
Credible Review Detection with Limited Information Using Consistency Features	195
<i>Subhabrata Mukherjee, Sourav Dutta, and Gerhard Weikum</i>	
Interactive Visual Data Exploration with Subjective Feedback	214
<i>Kai Puolamäki, Bo Kang, Jefrey Lijffijt, and Tijl De Bie</i>	
Coupled Hierarchical Dirichlet Process Mixtures for Simultaneous Clustering and Topic Modeling.	230
<i>Masamichi Shimosaka, Takeshi Tsukiji, Shoji Tominaga, and Kota Tsubouchi</i>	
Enhancing Traffic Congestion Estimation with Social Media by Coupled Hidden Markov Model	247
<i>Senzhang Wang, Fengxiang Li, Leon Stenneth, and Philip S. Yu</i>	
Learning Distributed Representations of Users for Source Detection in Online Social Networks	265
<i>Simon Bourigault, Sylvain Lamprier, and Patrick Gallinari</i>	
Linear Bandits in Unknown Environments	282
<i>Thibault Gisselbrecht, Sylvain Lamprier, and Patrick Gallinari</i>	
Ballpark Learning: Estimating Labels from Rough Group Comparisons	299
<i>Tom Hope and Dafna Shahaf</i>	
An Efficient Algorithm for Mining Frequent Sequence with Constraint Programming	315
<i>John O.R. Aoga, Tias Guns, and Pierre Schaus</i>	
Detecting Public Influence on News Using Topic-Aware Dynamic Granger Test	331
<i>Lei Hou, Juanzi Li, Xiao-Li Li, and Jianbin Jin</i>	
Exploring a Mixed Representation for Encoding Temporal Coherence	347
<i>Jon Parkinson, Ubai Sandouk, and Ke Chen</i>	
Local Roots: A Tree-Based Subgoal Discovery Method to Accelerate Reinforcement Learning.	361
<i>Alper Demir, Erkin Çilden, and Faruk Polat</i>	
Copula PC Algorithm for Causal Discovery from Mixed Data	377
<i>Ruifei Cui, Perry Groot, and Tom Heskes</i>	

Selecting Collaborative Filtering Algorithms Using Metalearning	393
<i>Tiago Cunha, Carlos Soares, and André C.P.L.F. de Carvalho</i>	
A Bayesian Network Model for Interesting Itemsets	410
<i>Jaroslav Fowkes and Charles Sutton</i>	
Top-N Recommendation via Joint Cross-Domain User Clustering and Similarity Learning	426
<i>Dimitrios Rafailidis and Fabio Crestani</i>	
Measuring the Stability of Feature Selection	442
<i>Sarah Nogueira and Gavin Brown</i>	
Aspect Mining with Rating Bias	458
<i>Yitong Li, Chuan Shi, Huidong Zhao, Fuzhen Zhuang, and Bin Wu</i>	
Planning with Information-Processing Constraints and Model Uncertainty in Markov Decision Processes	475
<i>Jordi Grau-Moya, Felix Leibfried, Tim Genewein, and Daniel A. Braun</i>	
Subgroup Discovery with Proper Scoring Rules	492
<i>Hao Song, Meelis Kull, Peter Flach, and Georgios Kalogridis</i>	
Consistency of Probabilistic Classifier Trees	511
<i>Krzysztof Dembczyński, Wojciech Kotłowski, Willem Waegeman, Róbert Busa-Fekete, and Eyke Hüllermeier</i>	
Actively Interacting with Experts: A Probabilistic Logic Approach	527
<i>Phillip Odom and Sriraam Natarajan</i>	
Augmented Leverage Score Sampling with Bounds	543
<i>Daniel J. Perry and Ross T. Whitaker</i>	
Anti Imitation-Based Policy Learning	559
<i>Michèle Sebag, Riad Akrou, Basile Mayeur, and Marc Schoenauer</i>	
Cancer: Another Algorithm for Subtropical Matrix Factorization	576
<i>Sanjar Karaev and Pauli Miettinen</i>	
Robust Principal Component Analysis by Reverse Iterative Linear Programming	593
<i>Andrea Visentin, Steven Prestwich, and S. Armagan Tarim</i>	
Multilabel Classification on Heterogeneous Graphs with Gaussian Embeddings	606
<i>Ludovic Dos Santos, Benjamin Piwowarski, and Patrick Gallinari</i>	

M-Flash: Fast Billion-Scale Graph Computation Using a Bimodal Block Processing Model	623
<i>Hugo Gualdron, Robson Cordeiro, Jose Rodrigues Jr., Duen Horng (Polo) Chau, Minsuk Kahng, and U. Kang</i>	
Improving Locality Sensitive Hashing Based Similarity Search and Estimation for Kernels	641
<i>Aniket Chakrabarti, Bortik Bandyopadhyay, and Srinivasan Parthasarathy</i>	
Continuous Kernel Learning	657
<i>John Moeller, Vivek Srikumar, Sarathkrishna Swaminathan, Suresh Venkatasubramanian, and Dustin Webb</i>	
Temporal PageRank	674
<i>Polina Rozenshtein and Aristides Gionis</i>	
Discovering Topically- and Temporally-Coherent Events in Interaction Networks	690
<i>Han Xiao, Polina Rozenshtein, and Aristides Gionis</i>	
Proactive Transfer Learning for Heterogeneous Feature and Label Spaces . . .	706
<i>Seungwhan Moon and Jaime Carbonell</i>	
Asynchronous Distributed Incremental Computation on Evolving Graphs . . .	722
<i>Jiangtao Yin and Lixin Gao</i>	
Infection Hot Spot Mining from Social Media Trajectories	739
<i>Roberto C.S.N.P. Souza, Renato M. Assunção, Derick M. de Oliveira, Denise E.F. de Brito, and Wagner Meira Jr.</i>	
Learning to Aggregate Using Uninorms	756
<i>Vitalik Melnikov and Eyke Hüllermeier</i>	
Sequential Labeling with Online Deep Learning: Exploring Model Initialization	772
<i>Gang Chen, Ran Xu, and Sargur N. Srihari</i>	
Warped Matrix Factorisation for Multi-view Data Integration	789
<i>Naruemon Pratanwanich, Pietro Lió, and Oliver Stegle</i>	
Communication-Efficient Distributed Online Learning with Kernels	805
<i>Michael Kamp, Sebastian Bothe, Mario Boley, and Michael Mock</i>	
Author Index	821

Machine Learning and Knowledge Discovery in
Databases

European Conference, ECML PKDD 2016, Riva del
Garda, Italy, September 19-23, 2016, Proceedings, Part
II

Frasconi, P.; Landwehr, N.; Manco, G.; Vreeken, J. (Eds.)

2016, XXVIII, 825 p. 205 illus., Softcover

ISBN: 978-3-319-46226-4