Research Track   [115]

• A Hierarchical Career-Path-Aware Neural Network for Job Mobility Prediction

Authors: Qingxin Meng (Rutgers- the State University of New Jersey);Hengshu Zhu (Baidu);Keli Xiao (Stony Brook University);Le Zhang (School of Computer Science, University of Science and Technaology of China);Hui Xiong (Rutgers- the State University of New Jersey);

• A Multiscale Scan Statistic for Adaptive Submatrix Localization

Authors: Yuchao Liu (Microsoft);Ery Arias-Castro (University of California San Diego);

• A Representation Learning Framework for Property Graphs

Authors: Yifan Hou (The Chinese University of Hong Kong);Hongzhi Chen (The Chinese University of Hong Kong);Changji Li (The Chinese University of Hong Kong);James Cheng (The Chinese University of Hong Kong);Ming-Chang Yang (The Chinese University of Hong Kong);

• Adaptive Deep Models for Incremental Learning: Considering Capacity Scalability and Sustainability

Authors: Yang Yang (NanJing university);Da-Wei Zhou (Nanjing University);De-Chuan Zhan (Nanjing University);Hui Xiong (Rutgers University);Yuan Jiang (Nanjing University);

• Adaptive Graph Guided Disambiguation for Partial Label Learning

Authors: Dengbao Wang (Southwest University);Li Li (Southwest University);Min-Ling Zhang (Southeast University);

• Adaptive Unsupervised Feature Selection on Attributed Networks

Authors: Jundong Li (Arizona State University);Ruocheng Guo (Arizona State University);Chenghao Liu (Singapore Management University);Huan Liu (Arizona State University);

• Adversarial Learning on Heterogeneous Information Networks

Authors: Binbin Hu (Beijing University of Posts and Telecommunications && AI Department, Ant Financial Services Group);Yuan Fang (Singapore Management University);Chuan Shi (Beijing University of Posts and Telecommunications);

• Adversarial Substructured Representation Learning for Mobile User Profiling

Authors: Pengyang Wang (Missouri University of Science and Technology);Yanjie Fu (Missouri University of Science and Technology);Xiaolin Li (Nanjing University);Hui Xiong (Rutgers University);

• Adversarial Variational Embedding for Robust Semi-supervised Learning

Authors: Xiang Zhang (The University of New South Wales);Lina Yao (The University of New South Wales);Feng Yuan (The University of New South Wales);

- Adversarially Robust Submodular Maximization under Knapsack Constraints

Authors: Dmitrii Avdiukhin (Indiana University Bloomington);Slobodan Mitrovic (MIT);Grigory Yaroslavtsev (Indiana University Bloomington);Samson Zhou (Indiana University Bloomington);

- Assessing The Factual Accuracy of Generated Text

Authors: Vinay Rao (Google);Ben Goodrich (Google);Peter Liu (Google);Mohammad Saleh (Google);

- AtSNE: Efficient and Robust Visualization on GPU through Hierarchical Optimization

Authors: Cong Fu (Zhejiang University);Yonghui Zhang (Zhejiang University);Deng Cai (Zhejiang University);Xiang Ren (University of Southern California);

- Attribute-Driven Backbone Discovery

Authors: Hanchao Ma (Washington State University);Sheng Guan (Washington State University);Yinghui Wu (Washington State University);

- Auditing Data Provenance in Text-Generation Models

Authors: Congzheng Song (Cornell University);Vitaly Shmatikov (Cornell University);

- AutoNRL: Hyperparameter Optimization for Massive Network Representation Learning

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- Axiomatic Interpretability for Multiclass Additive Models

Authors: Xuezhou Zhang (University of Wisconsin-Madison);Sarah Tan (Cornell University);Paul Koch (Microsoft);Yin Lou (Ant Financial);Urszula Chajewska (Microsoft);Rich Caruana (Microsoft);

- Beyond Personalization: Social Content Recommendation for Creator Equality and Consumer Satisfaction

Authors: Wenyi Xiao (The Hong Kong University of Science and Technology);Huan Zhao (The Hong Kong University of Science and Technology);Haojie Pan (The Hong Kong University of Science and Technology);Yangqiu Song (The Hong Kong University of Science and Technology);Vincent W. Zheng (WeBank, China);Qiang Yang (The Hong Kong University of Science and Technology);

- Certifiable Robustness and Robust Training for Graph Convolutional Networks

Authors: Daniel Zügner (Technical University of Munich);Stephan Günnemann (Technical University of Munich);

- Cluster-GCN: An Efficient Algorithm for Training Deep and Large Graph Convolutional Networks

Authors: Wei-Lin Chiang (National Taiwan University);Xuanqing Liu (University of California, Los Angeles);Si Si (Google);Yang Li (Google);Samy Bengio (Google);Cho-Jui Hsieh (University of California, Los Angeles);

- Clustering without Over-Representation

Authors: Sara Ahmadian (Google);Alessandro Epasto (Google);Ravi Kumar (Google);Mohammad Mahdian (Google);

- Conditional Random Field Enhanced Graph Convolutional Neural Networks

Authors: Hongchang Gao (University of Pittsburgh);Jian Pei (Simon Fraser University);Heng Huang (University of Pittsburgh);

- Contrastive antichains in hierarchies

Authors: Anes Bendimerad (LIRIS);Jefrey Lijffijt (Dept. of Electronics and Information Systems, IDLab, Ghent University);Marc Plantevit (LIRIS);Celine Robardet (INSA Lyon);Tijl De Bie (Dept. of Electronics and Information Systems, IDLab, Ghent University);

- CoSTCo: A Nonlinear Sparse Tensor Completion Model

Authors: Hanpeng Liu (Univeristy of Southern California);Yaguang Li (Univeristy of Southern California);Michael Tsang (University of Southern California);Yan Liu (University of Southern California);

- Coupled Variational Recurrent Collaborative Filtering

Authors: Qingquan Song (Texas A&M University);Shiyu Chang (IBM);Xia Hu (Texas A&M University);

- DAML: Dual Attention Mutual Learning between Ratings and Reviews for Item Recommendation

Authors: Donghua Liu (School of Computer Science Wuhan University);Jing Li (School of Computer Science Wuhan University);Bo Du (School of Computer Science Wuhan University);Jun Chang (School of Computer Science Wuhan University);Rong Gao (School of Computer Science Hubei University of Technology);

- Deep Anomaly Detection with Deviation Networks

Authors: Guansong Pang (The University of Adelaide);Chunhua Shen (The University of Adelaide);Anton van den Hengel (The University of Adelaide);

- Deep Learning Alternating Direction Method of Multipliers

Authors: Junxiang Wang (George Mason University);Fuxun Yu (George Mason University);Xiang Chen (George Mason University);Liang Zhao (George Mason University);

- Deep Mixture Point Processes: Spatio-temporal Event Prediction with Rich Contextual Information

Authors: Maya Okawa (NTT);Tomoharu Iwata (NTT);Takeshi Kurashima (NTT);Yusuke Tanaka (NTT);Hiroyuki Toda (NTT);Naonori Ueda (NTT);

- DeepGBM: A Deep Learning Framework Distilled by GBDT for Online Prediction Tasks

Authors: Guolin Ke (Microsoft);Zhenhui Xu (Peking University);Jia Zhang (Microsoft);Jiang Bian (Microsoft);Tie-Yan Liu (Microsoft);

- DEMO-Net: Degree-specific Graph Neural Networks for Node and Graph Classification

Authors: Jun Wu (Arizona State University);Jingrui He (Arizona State University);Jiejun Xu (HRL Laboratories, LLC);

- Discovering Unexpected Local Nonlinear Interactions in Scientific Black-box Models

Authors: Michael Doron (Hebrew University of Jerusalem);Idan Segev (Hebrew University of Jerusalem);Dafna Shahaf (Hebrew University of Jerusalem);

- Dual Averaging Method for Online Graph-structured Sparsity

Authors: Baojian Zhou (University at Albany, SUNY);Feng Chen (University at Albany, SUNY);Yiming Ying (University at Albany, SUNY);

- Dual Sequential Prediction Models Linking Sequential Recommendation and Information Dissemination

Authors: Qitian Wu (Shanghai Jiao Tong University);Yirui Gao (Shanghai Jiao Tong University);Xiaofeng Gao (Shanghai Jiao Tong University);Paul Weng (Shanghai Jiao Tong University);Guihai Chen (Shanghai Jiao Tong University);

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Authors: Haoyu Zhang (Indiana University Bloomington);Qin Zhang (Indiana University Bloomington);

- EdMot: An Edge Enhancement Approach for Motif-aware Community Detection

Authors: Peizhen Li (School of Data and Computer Science,Sun Yat-sen University,Guangzhou, P. R. China);Ling Huang (Sun Yat-sen University);Chang-Dong Wang (Sun Yat-sen University);Jianhuang Lai (Sun Yat-sen University);

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- Exact-K Recommendation via Maximal Clique Optimization

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• Hierarchical Gating Networks for Sequential Recommendation

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- K-Multiple-Means: A Multiple-Means Clustering Method with Specified K Clusters

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- Latent Network Summarization

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