Jia Zhang

Address #304, Scientific Research Building, Haiyun Campus of Xiamen University, Xiamen, P.R. China, 361005

Mobile Phone +86-15711580701

E-mail zhangjia_gl@163.com

Updated: Jul. 2019 Homepage https://jiazhang-ml.pub

Research Interests

My current research interests mainly include machine learning, data mining, and artificial intelligence. To be more specific:

- Topics: multi-label learning, data fusion, feature selection, weakly supervised learning.
- Applications: TCM health management, drug discovery, hospital readmission, autism spectrum disorder.

Experience

- *Sep. 2016– Present* Ph. D. of Computer Science, Xiamen University, Xiamen, P.R. China. Advisor: Prof. Shaozi Li
- *May 2019–Jul. 2019* Visiting Student of Computer Science, City University of Hong Kong, Hong Kong. Advisor: Prof. Kay Chen Tan
- *Sep. 2013–Jun. 2016* M. E. of Computer Science, Minnan Normal University, Zhangzhou, P.R. China. Advisor: Prof. Menglei Lin and Prof. Yaojin Lin
- *Sep. 2009–Jun. 2013* B. E. of Electronics Science and Technology, Changshu Institute of Technology, Suzhou, P.R. China

Honers & Awards

- CaoDewang Scholarship, Xiamen University, 2019
- Excellent Graduate of Minnan Normal University, Zhangzhou, 2016

Professional Activities

- Journal Reviewer: *Information Sciences*, *Knowledge-Based Systems*, *IEEE Transactions on Neural Networks and Learning Systems*
- Academic Talk and Discussion:

  Entropy-based collaborative filtering algorithm, Aug. 2015, The 15-th Chinese Conference on Machine Learning, Chengdu, P.R. China

Selected Publications

- Jia Zhang, Zhiming Luo, Candong Li, Changen Zhou, Shaozi Li. Manifold regularized discriminative feature selection for multi-label learning. *Pattern Recognition*, 2019, 95: 136-150.
- Jia Zhang, Candong Li, Zhenqiang Sun, Zhiming Luo, Changen Zhou, Shaozi Li. Towards a unified multi-source-based optimization framework for multi-label learning. *Applied Soft Computing*, 2019, 76: 425-435.

- Jia Zhang, Candong Li, Donglin Cao, Yaojin Lin, Songzhi Su, Liang Dai, Shaozi Li. Multi-label learning with label-specific features by resolving label correlations. *Knowledge-Based Systems*, 2018, 159: 148-157.
- Jia Zhang, Candong Li, Yaojin Lin, Youwei Shao, Shaozi Li. Computational drug repositioning using collaborative filtering via multi-source fusion. *Expert Systems with Applications*, 2017, 84: 281-289.
- Jia Zhang, Yaojin Lin, Menglei Lin, Jinghua Liu. An effective collaborative filtering algorithm based on user preference clustering. *Applied Intelligence*, 2016, 45 (2): 230-240.
- Zhenqiang Sun, Jia Zhang, Liang Dai, Candong Li, Changen Zhou, Jiliang Xin, Shaozi Li. Mutual information based multi-label feature selection via constrained convex optimization. *Neurocomputing*, 2019, 329: 447-456.
- Liang Dai, Jia Zhang, Candong Li, Changen Zhou, Shaozi Li. Multi-label feature selection with application to TCM state identification. *Concurrency and Computation: Practice and Experience*, 2018, e4634.
- Jinghua Liu, Yaojin Lin, Menglei Lin, Shunxiang Wu, Jia Zhang. Feature selection based on quality of information. *Neurocomputing*, 2017, 225: 11-22.
- Yaojin Lin, Qinghua Hu, Jia Zhang, Xindong Wu. Multi-label feature selection with streaming labels. *Information Sciences*, 2016, 372: 256-275.