Jia Zhang

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Brief Biography

Jia Zhang received the Ph.D. degree from the Artificial Intelligence Department, Xiamen University, Xiamen, China, in 2020, and received the M.S. degree from the School of Computer Science, Minnan Normal University, Zhangzhou, China, in 2016. He is broadly interested in machine learning, data mining, and artificial intelligence. Now he is working on weak label learning, data fusion, feature selection, knowledge graph, and some AI applications in medicine, such as TCM health management, drug discovery, hospital readmission, and autism spectrum disorder. He has published over 20 academic papers in some prestigious journals and conferences, such as Pattern Recognition, Knowledge-Based Systems, Information Sciences, Expert Systems with Applications, and IJCAI. His papers have been cited more than 200 times (Google scholar).

Experience

- Sep. 2016– Jun. 2020   Ph.D. of Computer Science, Xiamen University, Xiamen, P.R. China. Advisor: Prof. Shaozi Li
- May 2019– Jun. 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

- Excellent Graduate of Xiamen University, Xiamen, 2020
- Excellent Graduate of Minnan Normal University, Zhangzhou, 2016

Professional Activities

- Journal Reviewer: IEEE Transactions on Cybernetics, IEEE Transactions on Neural Networks and Learning Systems, Pattern Recognition, Information Sciences, Knowledge-Based Systems, Applied Intelligence

Selected Publications

- Jia Zhang, Yidong Lin, Min Jiang, Shaozi Li, Yong Tang, Kay Chen Tan. Multi-label feature selection via global relevance and redundancy optimization. In *Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI'20)*, Yokohama, Japan, 2020, pp. 2512–2518.

- 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.

- Guodong Du, Jia Zhang, Zhiming Luo, Fenglong Ma, Lei Ma, Shaozi Li. Joint imbalanced classification and feature selection for hospital readmissions. *Knowledge-Based Systems*, 2020, 200: 106020.

- Liang Dai, Guodong Du, Jia Zhang, Candong Li, Rong Wei, Shaozi Li. Joint multi-label classification and feature selection based on deep canonical correlation analysis. *Concurrency and Computation: Practice and Experience*, 2020, in press.

- Jinghua Liu, Yuwen Li, Wei Weng, Jia Zhang, Baihua Chen, Shunxiang Wu. Feature selection for multi-label learning with streaming label. *Neurocomputing*, 2020, 387: 268-278.

- Yidong Lin, Jinjin Li, Anhui Tan, Jia Zhang. Granular matrix-based knowledge reductions of formal fuzzy contexts. *International Journal of Machine Learning and Cybernetics*, 2020, 11 (3): 643–656.

- 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.

- Yaojin Lin, Qinghua Hu, Jia Zhang, Xindong Wu. Multi-label feature selection with streaming labels. *Information Sciences*, 2016, 372: 256-275.