Wei Xia

Ph.D. candidate

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⌂ *Wei Xia(xdweixia.github.io)*

Education

Xidian University, China
Ph.D candidate (supervisor: Quanxue Gao)

Aug. 2018 - present

Lanzhou University of Technology, China
B.S. in Computer Science

Sep. 2014 - Jun. 2018

Research Interests

Multi-modal learning, representation learning, unsupervised learning, self-supervised learning, clustering, etc.

Publications

1. **Wei Xia**, Quanxue Gao, Qianqian Wang, Xinbo Gao: Tensor Completion-Based Incomplete Multiview Clustering, *IEEE Trans. on Cybernetics* (**TCYB**), 2022.

2. **Wei Xia**, Qianqian Wang, Quanxue Gao, Xiangdong Zhang, Xinbo Gao: Self-supervised Graph Convolutional Network for Multi-view Clustering, *IEEE Trans. on Multimedia (**TMM**)*, 2021.

3. Quanxue Gao, Pu Zhang, **Wei Xia**, De-Yan Xie, Xinbo Gao, Dacheng Tao: Enhanced Tensor RPCA and its Application, *IEEE Trans. on Pattern Analysis and Machine Intelligence (**TPAMI**)*, 2021.

4. **Wei Xia**, Xiangdong Zhang, Quanxue Gao, Xiaochuang Shu, Jungong Han, Xinbo Gao: Multiview Subspace Clustering by an Enhanced Tensor Nuclear Norm, *IEEE Trans. on Cybernetics* (**TCYB**), 2021

5. **Wei Xia**, Sen Wang, Ming Yang, Quanxue Gao, Jungong Han, Xinbo Gao: Multi-view graph embedding clustering network: Joint self-supervision and block diagonal representation, *Neural Networks (**NN**)*, 2022.

6. Quanxue Gao, **Wei Xia**, Zhizhen Wan, De-Yan Xie, Pu Zhang: Tensor-SVD Based Graph Learning for Multi-View Subspace Clustering, *The Thirty-Fourth Conference on Artificial Intelligence (**AAAI**)*, 2020.

7. Qianqian Wang, **Wei Xia**, Zhiqiang Tao, Quanxue Gao, Xiaochun Cao: Deep Self-Supervised t-SNE for Multi-modal Subspace Clustering, *ACM Multimedia (**ACM MM**)*, 2021.

8. **Wei Xia**, Quanxue Gao, Qianqian Wang, Xinbo Gao: Regression-based clustering network via combining prior information, *Neurocomputing (**NC**)*, 2021.

9. **Wei Xia**, Xiangdong Zhang, Quanxue Gao, Xinbo Gao: Adversarial self-supervised clustering with cluster-specificity distribution, *Neurocomputing (**NC**)*, 2021.

Preprints

1. Quanxue Gao, **Wei Xia**, Qianqian Wang, Xinbo Gao, Chris Ding, Dacheng Tao: Tensorized Bipartite Graph Learning for Multi-view Clustering, submitted to *IEEE Trans. on Pattern Analysis and Machine Intelligence (TPAMI)*, Major Revisions.

2. **Wei Xia**, Quanxue Gao, Ming Yang, Xinbo Gao: Self-supervised Contrastive Attributed Graph Clustering, submitted to *IEEE Trans. on Multimedia (TMM)*.

3. **Wei Xia**, Quanxue Gao, Ming Yang, Xinbo Gao: Graph Embedding Contrastive Cross-Modal Clustering, submitted to *IEEE Trans. on Image Processing* (**TIP**).

Honors and Awards

1.	**National Scholarship** in Xidian University	Nov. 2021
2.	**First Academic Scholarship** in Xidian University	Nov. 2020
3.	**Second Academic Scholarship** in Xidian University	Nov. 2019
4.	**First Academic Scholarship** in Xidian University	Nov. 2018
5.	**Outstanding Graduate** in Lanzhou University of Technology	Jun. 2018
6.	**Meritorious Winner** in Mathematical Contest In Modeling Certificate of Achievement	Apr. 2018
7.	Second prize **in China National Mathematical Modeling Contest**	Nov. 2016

Academic Service

Journal refereeing	IEEE Trans. on Neural Networks and Learning Systems (**TNNLS**).
Conference refereeing	Association for the Advancement of Artificial Intelligence (**AAAI,** 2021, 2022)**,** International Joint Conference on Artificial Intelligence (**IJCAI**, 2022)**.**

Skills

Programming: Python, Pytorch, TensorFlow, MATLAB