Jijie Wu

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Education

Lanzhou University of Technology   **September 2015 – April 2019**

○ B.E. in Software Engineering

Lanzhou University of Technology   **September 2019 – Present**

○ M.E. in Computer Science and Technology
○ Ph.D. in Manufacturing Information System
  - Adviser: Prof. Xiaoxu Li
  - Focus: Few-shot Image Classification, Meta-Learning

Publications

Highlights

[1] **Jijie Wu**, Dongliang Chang, Aneeshan Sain, Xiaoxu Li*, Zhanyu Ma, Jie Cao, Jun Guo, and Yi-Zhe Song, "Bi-Directional Feature Reconstruction Network for Fine-grained Few-shot Image Classification," in Association for the Advancement of Artificial Intelligence (AAAI), 2023.

[2] Xiaoxu Li, **Jijie Wu**, Zhuo Sun, Zhanyu Ma*, Jie Cao and Jing-Hao Xue, "BSNet: Bi-Similarity Network for Few-shot Fine-grained Image Classification," IEEE Transactions on Image Processing (TIP), 2021.

International Journal

[1] Xiaoxu Li, Qi Song, **Jijie Wu**, Rui Zhu, Zhanyu Ma, Jing-Hao Xue, "Locally-Enriched Cross-Reconstruction for Few-Shot Fine-Grained Image Classification," IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2023.

[2] Xiaoxu Li, **Jijie Wu**, Zhuo Sun, Zhanyu Ma*, Jie Cao and Jing-Hao Xue, "BSNet: Bi-Similarity Network for Few-shot Fine-grained Image Classification," IEEE Transactions on Image Processing (TIP), 2021.

International Conference

[1] **Jijie Wu**, Dongliang Chang, Aneeshan Sain, Xiaoxu Li*, Zhanyu Ma, Jie Cao, Jun Guo, and Yi-Zhe Song, "Bi-Directional Feature Reconstruction Network for Fine-grained Few-shot Image Classification," in Association for the Advancement of Artificial Intelligence (AAAI), 2023.

[2] Zhuo Sun, **Jijie Wu**, Xiaoxu Li, Wenming Yang and Jing-Hao Xue, "Amortized Bayesian Prototype Meta-learning: A New Probabilistic Meta-learning Approach to Few-shot Image Classification," Proceedings of the 24th International Conference on Artificial Intelligence and Statistics. (AISTATS 2021), 2021.

[3] Yalan Li, **Jijie Wu**, "Cross-Domain Few-shot Classification through Diversified Feature Transformation Layers," 2021 IEEE International Conference on Artificial Intelligence and Computer Applications (ICAICA), 2021.

[4] Xiaoxu Li, Jintao Yan, **Jijie Wu**, Yuxin Liu, Xiaochen Yang and Zhanyu Ma, "Anti-noise Relation Network for Few-shot Learning," in Proceedings of The 11th Annual Conference Organized by Asia-Pacific Signal and Information Processing Association (APSIPA), 2020.

[5] Xiaoxu Li, **Jijie Wu**, Dongliang Chang, Zhanyu Ma, and Jie Cao, "Mixed Attention Mechanism for Small-Sample Fine-grained Image Classification," in Proceedings of The 11th Annual Conference Organized by Asia-Pacific Signal and Information Processing Association (APSIPA), 2019.

Chinese Journal

[1] 李晓旭, 刘忠源, **武继杰**, 曹洁, 马占宇. 小样本图像分类的注意力全关系网络. 计算机学报, 2022.

[2] 李晓旭, 安文娟, **武继杰**, 李真, 张珂, 马占宇. 通道注意力双线性度量网络. 吉林大学学报, 2022.

Awards

○ Lanzhou University of Technology Excellent Master's Thesis

Services

Reviewer

○ IEEE Transactions on Neural Networks and Learning Systems 2022-
○ NEUROCOMPUTING 2021-

Skills and Qualifications

Languages

○ Native in Chinese, proficient in English (CET-6)

Programming

○ Python, Java, LaTeX

Techniques

○ Machine learning (NumPy, Scikit-learn)
○ Deep learning (PyTorch, TensorFlow)