

Wei Fan 范玮

Research Assistant

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Education

- Ph.D. of Computer Science
University of Central Florida, US 2020.08 – now
- B.E. of Computer Science and Technology
Beijing University of Posts and Telecommunications, China 2016.09 – 2020.07

Publications

- W Fan, K Liu, H Liu, P Wang, Y Ge, Y Fu. AutoFS: Automated Feature Selection via Diversity-aware Interactive Reinforcement Learning. IEEE International Conference on Data Mining (ICDM) 2020.
- X Zhao, K Liu, W Fan, L Jiang, X Zhao, M Yin, Y Fu. Simplifying Reinforced Feature Selection via Restructured Choice Strategy of Single Agent. IEEE International Conference on Data Mining (ICDM) 2020.
- W Fan, K Liu, H Liu, D Dou, Y Fu. AutoGFS: Automated Group-based Feature Selection via Interactive Reinforcement Learning. SIAM International Conference on Data Mining (SDM) 2021.
- W Fan, K Liu, H Liu, Y Ge, H Xiong, Y Fu. Interactive Reinforcement Learning for Feature Selection with Decision Tree in the Loop. IEEE Transactions on Knowledge and Data Engineering (TKDE) 2021.
- W Fan, K Liu, R Xie, H Liu, H Xiong, Y Fu. Fair Graph Auto-Encoder for Unbiased Graph Representations with Wasserstein Distance. IEEE International Conference on Data Mining (ICDM) 2021.

- W Fan, S Zheng, X Yi, W Cao, Y Fu, J Bian, TY Liu. DEPTS: Deep Expansion Learning for Periodic Time Series Forecasting. The International Conference on Learning Representations (ICLR) 2022.
- W Fan, K Liu, H Liu, H Xiong, Y Fu. Feature and Instance Joint Selection: A Reinforcement Learning Perspective. International Joint Conference on Artificial Intelligence (IJCAI-ECAI) 2022.
- Y Li, W Fan, C Liu, C Lin, J Qian. TransHER: Translating Knowledge Graph Embedding with Hyper-Ellipsoidal Restriction. The Conference on Empirical Methods in Natural Language Processing (EMNLP) 2022.
- W Fan, P Wang, D Wang, D Wang, Y Zhou, Y Fu. Dish-TS: A General Paradigm for Alleviating Distribution Shift in Time Series Forecasting. The Thirty-Seventh AAAI Conference on Artificial Intelligence (AAAI) 2023.

Research Interests

- Data Mining, Time Series Modelling

Projects

- 2020-2021 Automated Feature Selection with Reinforcement Learning.
- 2021-2022 Time Series Forecasting.

Selected Awards & Honors

- The third-prize scholarship in BUPT, 2017.
- The third-prize scholarship in BUPT, 2016.

Academic Services

- PC Members/Reviewers of TKDE, ACL 2022, LOG 2022, AAAI 2023, ICLR 2023, IJCAI 2023, KDD 2023.