About Me

Greetings! I am currently a second-year Ph.D. student at Beihang University. My main research interests lie in relational statistic learning theory and graph mining, designing and analyzing machine learning algorithms for structure data from both theoretical and practice aspects. I also have some experiences about building deep learning framework and benchmarking its performace. I am supervised by Juhua Pu. I am lucky to collaborate with Yuyi Wang and Ondřej Kuželka.

Research Interests

- **Statistical Machine Learning:** Lifted Inference and Sampling, non-i.i.d. Learning
- **Data Mining:** Graph Mining, Recommendation

News

- **[Feb. 2021]** Our paper about relational marginal polytope and approximate WFOMC is accepted to IJCAI 2021.

Publications

- **Fast Algorithms for Relational Marginal Polytopes**
  Yuanhong Wang, Timothy van Bremen, Juhua Pu, Yuyi Wang, Ondrej Kuzelka
  International Joint Conference on Artificial Intelligence. **IJCAI 2021**.
  [PDF]

- **AMENDER: An attentive and aggregate multi-layered network for dataset recommendation**
  Yujun Chen, **Yuanhong Wang**, Yutao Zhang, Juhua Pu, Xiangliang Zhang
  IEEE International Conference on Data Mining. **ICDM 2019**.
  [PDF] *Short paper*

- **NEGAN: Network embedding based on generative adversarial networks**
  Ban Yinfeng, Juhua Pu, Yujun Chen, **Yuanhong Wang**
  International Joint Conference on Neural Networks. **IJCNN 2018**.
  [PDF]

- **On the ERM principle with networked data**
  Yuanhong Wang, Yuyi Wang, Xingwu Liu, and Juhua Pu
  Thirty-Second AAAI Conference on Artificial Intelligence. **AAAI 2018**.
  [PDF]

- **Detecting Anomaly in Traffic Flow from Road Similarity Analysis**
  Xinran Liu, Xingwu Liu, **Yuanhong Wang**, Juhua Pu, Xiangliang Zhang
  International Conference on Web-Age Information Management **WAIM 2016**.
  [PDF]