

XIAXUE OUYANG

Email: ouyangxiaxue@ruc.edu.cn

BASIC INFORMATION

- **Age:** 24
- **Major:** Statistics
- **Status:** Ph.D. Student
- **Advisors:** Dr. Cheng Meng and Prof. Kejun He
- **Institution:** Institute of Statistics and Big Data, Renmin University of China

EDUCATION

Institute of Statistics and Big Data, Renmin University of China, Beijing, China

- Ph.D. in Statistics September 2023 - Present

School of Mathematics and Statistics, Wuhan University, Wuhan, China

- Bachelor of Mathematics September 2019 - June 2023

RESEARCH INTERESTS

Data Reduction in Big Data; Optimal Transport; Feature Screening

PUBLICATIONS

Published ¹

1. **Xiaxue Ouyang**, Hao Zheng, Haoxian Liang, Jingyi Zhang, Yixuan Qiu, Cheng Meng, Mengyu Li*. A Selective Review of Sparsification Methods in Optimal Transport. *Wiley Interdisciplinary Reviews: Computational Statistics*.
2. Xinlai Kang, **Xiaxue Ouyang**, Haoxiang Liang, Cheng Meng*. Hausdorff Coefficient for Interval-valued Data. *Statistics and Computing*, 2025.

Under review & Submitted

1. **Xiaxue Ouyang**, Kejun He, Cheng Meng*. Adaptive Feature Screening via Online Best-Arm Identification *Submitted to JSPI*.
2. **Xiaxue Ouyang**, Mengyu Li, Jun Yu, Cheng Meng*. Efficient Method for Large-sample Model-free Feature Screening via Multi-armed Bandits. *Submitted to Statistics and Computing*.
3. Jun Zhu, **Xiaxue Ouyang**[†], Cheng Meng*. Stacked optimal transport for echocardiogram video clustering. *Submitted to JRSSC*.

¹*Corresponding author; [†]Joint first author;