Wenbin Zhou

Carnegie Mellon University — Pittsburgh, PA
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EDUCATION

Carnegie Mellon University *2023 - Present*
Ph.D. Student at Heinz College of Information Systems and Public Policy

University of Science and Technology of China *2019 - 2023*
B.S. in Statistics

- **Thesis:** "Topics of Causal Inference in Modern Machine Learning Decision Making Systems".
- **Courses:** Mathematical/Nonparametric Statistics, Advanced Probability Theory (Graduate), Linear Statistical Model (Graduate), Real/Complex/Functional Analysis, Time Series Analysis, Categorical Data Analysis, Convex Optimization

RESEARCH INTERESTS

The goal of my research is to construct end-to-end machine learning frameworks that provides data-automated solutions or insights associated with reasonable model explainability to address emerging societal challenges. To this end, I expect my research to reach out to policy makers, decision analysts, and industry researchers.

Applications: Renewable Energy, Epidemiology, Engineering Systems
Methodologies: Machine Learning, Data Analytics, Applied Statistics, Operations Research

PUBLICATIONS AND PREPRINTS

[1] Shenghao Wu, Wenbin Zhou, Minshuo Chen, and Shixiang Zhu, "Counterfactual Generative Models for Time-Varying Treatment" (2023)

- **Spotlight**, Deep Generative Models for Health Workshop, NeurIPS 2023
- Causal Representation Learning Workshop, NeurIPS 2023

SELECTED HONORS

First Place, 2023 YinzOR Student Conference Poster Competition

- Top 1/13 poster presentations at the YinzOR conference.

USTC Excellent Student Scholarship - Gold $\times$ 2

- First-class departmental honor, winning rate $< 3\%$.

Winner's Prize of 13th S.-T. Yau College Student Mathematics Contest

- Probability and Statistics sector, winning rate $< 5\%$

TEACHING

Teaching Assistant at USTC

- 01714601: Regression Analysis *Fall 2022*
- MNSC200101: A Primer to Game Theory *Spring 2023*

PROFESSIONAL SERVICE

Reviewer

- Journal of Agricultural, Biological and Environmental Statistics (JABES) *2023*

Subreviewer

- 9th SIGKDD International Workshop on Mining and Learning from Time Series (MiLeTS) *2023*