Zhiqi Zhang

Personal Information

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Research Interest

Online Platforms; Field Experiments; Structural Estimation; Machine Learning in Causal Inference.

Education

08/2021–05/2026(expected) **Ph.D., Supply Chain, Operations and Technology**
Washington University in St. Louis, St. Louis, MO, US
Advisor: Dennis J. Zhang

09/2016–06/2020 **B.Eng., Industrial Engineering**
Shanghai Jiao Tong University, Shanghai, China

Research

1. Deep Learning Based Causal Inference for Large-Scale Combinatorial Experiments: Theory and Empirical Evidence, with Zikun Ye, Dennis Zhang, Heng Zhang, Renyu Zhang, *major revision in Management Science*.
2. Deep Learning for Policy Targeting with Continuous Treatment, with Zhiyu Zeng, Ruohan Zhan, Dennis Zhang, work in progress.
3. The Impacts of Recommendations on Consumption and Creation on Online Content-Sharing Platforms, with Zhiyu Zeng, Dennis Zhang, Tat Chan.

Conference Presentations

"Deep Learning for Policy Targeting with Continuous Treatment"

- INFORMS Annual Meeting, Seattle, WA, 2024
- Conference on Digital Experimentation @ MIT, Cambridge, MA 2024
- MSOM Annual Meeting, Minneapolis, MN 2024

- POMS Annual Meeting, Minneapolis, MN 2024
- INFORMS Annual Meeting, Phoenix, AZ 2023

"Deep Learning Based Causal Inference for Large-Scale Combinatorial Experiments: Theory and Empirical Evidence"

- POMS Annual Meeting, Orlando, FL 2023
- INFORMS Annual Meeting, Indianapolis, IN 2022
- POMS Annual Meeting, Virtual Conference 2022

"The Impact of Recommending High-quality Content on Consumption and Production on User-generated Content Platforms"

- POMS Annual Meeting, Orlando, FL 2023

Teaching Experience

Teaching Assistant

- Undergraduate Core: Operations Analytics 2023 Spring
- Master Core: Operations Analytics 2023 Spring
- Master Core: Operations Management 2023 Spring, 2022 Fall
- PhD Core: AI & Machine Learning for Business Applications 2022 Fall, 2023 Fall, 2024 Fall
- PhD Core: Dynamic Programming 2024 Fall

Guest Lecturer

- PhD Core: Stochastic Models for Production and Service Systems 2024 Spring