

Zixi Zhou

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EDUCATION

- **Dongbei University of Finance and Economics** Sept 2021 - June 2025
Bachelor of Economics, Major: Finance Dalian, China
 - GPA: 3.81/4.00, 89.75/100
 - Course: Probability Theory and Mathematical Statistics (97), Operations Research (94), C Programming (94), Data Mining (98), Econometrics I & II (94).
- **Shanghai Jiao Tong University** June 2023 - July 2023
Summer School Shanghai, China
 - Course: Statistical inference (A), Introduction to Statistical Learning (A-)
- **Duke University** Aug 2025 - June 2027
Master of Economics Durham, United States

RESEARCH

- **Joint Multitask Transfer Learning for Linear Recourse Bandits** Working Paper
with Kan Xu
 - Develops a joint estimator for a shared dense component and row-sparse task heterogeneity. Establishes near-minimax rates under collective identification, even when some source tasks are not identified on their own. Uses sparse target correction to construct confidence sets and regret guarantees for sequential decisions.
- **Own-Cluster Reuse Bias in Orthogonal Panel Estimation** Working Paper
 - Studies semiparametric inference in short panels when estimated unit-level coordinates are reused within clusters. Characterizes derivative-influence and curvature biases of order T^{-1} that remain after first-order orthogonality. Develops a no-splitting correction for valid $\sqrt{NT}$ inference with growing sieves.
- **Panel Quantile Regression with Heterogeneous Slope Coefficients** Work in Progress
with Yutao Sun
 - Develops a smoothed panel quantile framework with heterogeneous slopes and multi-way fixed effects. Derives analytical incidental-parameter bias corrections for static and dynamic models.
- **Strategic Responses to Biased Group Beliefs: Reputation Bias and Self-Confirming Performance Gaps** Work in Progress
with Qinzhi Zeng

SKILLS

- **Programming:** Python, Matlab, C, R
- **Languages:** Mandarin (native), English

AWARDS

- Multiple Third-Class Scholarship (2021, 2022, 2023, 2024)
- Duke Economics Master's Scholar Award (four academic terms)