Wenxuan Guo

312-813-9273 | wxguo@chicagobooth.edu

EDUCATION

Fudan University   Shanghai, China
B.S. in Mathematical Sciences   Sep. 2015 – Jul. 2019

The University of Chicago   IL, United States
M.S. in Statistics   Oct. 2019 – Jun. 2021

The University of Chicago   IL, United States
Ph.D. in Econometrics & Statistics   Oct. 2021 – Present

ACADEMIC INTERESTS

- Finite sample inference: permutation/randomization tests and their applications in causal inference.

- Optimal transport: applications in machine learning.

WORKING PAPERS

Wenxuan Guo and Panos Toulis, "Randomization Tests for the Global and Partial Null Hypotheses in High-Dimensional Regression with Finite-Sample Guarantees," *in progress, (2023).*

YoonHaeng Hur, Wenxuan Guo, and Tengyuan Liang, "Reversible Gromov-Monge Sampler for Simulation-Based Inference," *SIAM Journal on Mathematics of Data Science (SIMODS)*, under revision, (2023).

Wenxuan Guo, YoonHaeng Hur, Tengyuan Liang, and Chris Ryan, "Online Learning to Transport via the Minimal Selection Principle," *Conference on Learning Theory (COLT), (2022).*

TEACHING EXPERIENCES

The University of Chicago   IL, United States
Teaching Assistant   Oct. 2020 – Dec. 2020

AWARDS AND HONORS

- Meritorious winner, Mathematical Contest in Modeling, 2019
- 1st place, Contemporary Undergraduate Mathematical Contest in Modeling in China, 2017
- Member of Top-notched Project in School of Mathematical Sciences, Fudan University, 2018
- Got Scholarships in 2015-2019 in Fudan University