Lin Gui

5747 S. Ellis Avenue, Jones 203/204, Chicago, IL, 60637
Email: glin6@uchicago.edu; Website: https://gl-ybnbxb.github.io/

EDUCATION

- Ph. D. in Statistics, The University of Chicago, Chicago, USA   2020- Present
- M.S. in Statistics, The University of Chicago, Chicago, USA   2018-2020
- B.S. in Statistics, University of Science and Technology of China, Hefei, China   2014- 2018

RESEARCH INTERESTS

- Selective Inference
- Causal Inference and Machine Learning
- Biostatistics

PUBLICATIONS

- **Detecting Multiple Replicating Signals using Adaptive Filtering Procedures**
  Jingshu Wang, Lin Gui, Weijie J. Su, Chiara Sabatti, Art B. Owen
  The Annals of Statistics 50 (4), 1890-1909
- **Causal Estimation for Text Data with (Apparent) Overlap Violations**
  Lin Gui, Victor Veitch
  ArXiv: 2210.00079
- **Mitigating Overlap Violations in Causal Inference with Text Data**
  Lin Gui, Victor Veitch
  NeurIPS 2021 Workshops

RESEARCH

- **A General Transformation Based Method For Global Test With Correlated Hypotheses**
- Conducted empirical and theoretical studies and provided insights into the state-of-the-art Cauchy combination test and its generalization method for the global test with correlated hypotheses.
- Generalized the generalized global testing method to a multiple testing procedure that can control the family-wise error rate (FWER) and proposed a shortcut for this closed testing procedure.
- Applied the method to genetic data to solve real-world problems.

TALKS

- **2021 Joint Statistical Meetings, Speaker**   Aug. 2021
- Detecting Multiple Replicating Signals Using Adaptive Filtering Procedures

CODING SKILLS

R, Python, Matlab, SQL; Parallel computing on computing clusters; Pytorch

HONORS & AWARDS

- Nominee, The 37th. Guo Moruo Scholarship (The highest honor at USTC)   2017
- Winner, Outstanding Student Scholarship, USTC   2016-2017
- Winner, China National Scholarship, USTC   2015