

# Yiling Huang

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📄 [Google Scholar](#)

## Education

- (Exp.) 2027 **University of Michigan**, Ann Arbor, MI, United States  
**Ph.D. Student in Statistics**, Advisor: *Prof. Snigdha Panigrahi*
- 2022 **University of Michigan**, Ann Arbor, MI, United States  
**B.S. with Highest Honors in Statistics**  
**B.S. in Mathematics**  
Honor Thesis Title: *"Balance Assessment of Matched Data with Multiple Treatment Levels"*

## Honors & Awards

- April 2022 **Outstanding Achievement in Mathematics Award**  
Department of Mathematics, University of Michigan
- March 2022 **Best Undergraduate Presentation**  
Michigan Student Symposium for Interdisciplinary Statistical Sciences

## Research Interests

Selective inference, causal inference, statistical learning

## Publications & Preprints

### Preprints

- 2023 **Huang, Yiling**, Snigdha Panigrahi, and Walter Dempsey. **Selective Inference for Sparse Graphs via Neighborhood Selection**. arXiv preprint arXiv:2312.16734 (2023).
- 2023 **Huang, Yiling**, Sarah Pirenne, Snigdha Panigrahi, and Gerda Claeskens. **Selective inference using randomized group lasso estimators for general models**. arXiv preprint arXiv:2306.13829 (2023). Received *reject and resubmit* from JASA

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## Presentations

### Contributed Talks

- 2023 **International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2023)**, Berlin, Germany  
Selective Inference Using Randomized Group Lasso Estimators for General Models

### Poster

- 2023 **ICSA Applied Statistics Symposium**, Ann Arbor, USA  
Selective Inference Using Randomized Group Lasso Estimators for General Models
- 2022 **American Causal Inference Conference**, Berkeley, USA  
Balance Assessment of Matched Data with Multiple Treatment Levels
- 2022 **Michigan Student Symposium for Interdisciplinary Statistical Sciences**, Ann Arbor, USA  
Balance Assessment of Matched Data with Multiple Treatment Levels

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## Service

### Volunteer

- 2023 **ICSA Applied Statistics Symposium**, Ann Arbor, USA

### Mentor

- 2024 **Undergraduate Research Program in Statistics (URPS 2024)**, University of Michigan  
Students: Corrine Liu, Yuezhou Qu
- 2023 **Undergraduate Research Program in Statistics (URPS 2023)**, University of Michigan  
Students: Hannah Daane, Peiran Wang

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## Teaching

### Graduate Student Instructor

- Fall 2023 **STATS 280: Honors Introduction to Statistics and Data Analysis**  
Undergraduate honors level introductory statistics course for students from all majors
- Winter 2023 **STATS 413: Applied Regression Analysis**  
Upper-level undergraduate regression analysis course for statistics and data science majors

Fall 2022 **STATS 250:** Introduction to Statistics and Data Analysis  
Undergraduate level introductory statistics course for students from all majors

#### Grader

Fall 2021 **MATH 451:** Advanced Calculus I (Mathematical Analysis)  
Upper-level undergraduate mathematical analysis

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### Skills

Programming Python, R, C++, Git, parallel statistical computing

Language Chinese (native), English (fluent)