

## ANG YU

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## Education

### University of Wisconsin-Madison

2025 (expected) PhD Sociology

Dissertation Committee: Felix Elwert (Advisor), Eric Grodsky, Hyunseung Kang (Statistics), Nicholas Mark, Jiwei Zhao (Statistics and Biostatistics & Medical Informatics), Xiang Zhou (Harvard)

Qualifying Exams: Methods and Statistics, Social Stratification

2022 MS Statistics

2021 MS Sociology

### Stanford University

2019 MA East Asian Studies

### Shandong University

2017 BA Sociology

Exchange Semester at the University of Hong Kong

## Research Interests

Causal Inference, Machine Learning, Social Stratification, Sociology of Education, Health Disparities

## Publications

Forthcoming **Ang Yu** and Jiwei Zhao. “[Counterfactual Slopes and Their Applications in Social Stratification](#)”. Sociological Methodology.

Forthcoming **Ang Yu** and Felix Elwert. “[Nonparametric Causal Decomposition of Group Disparities](#)”. Annals of Applied Statistics.

2024 Qi Zheng and **Ang Yu** (Equal Authorship). “[Inequality in the Shadow: The Role of Private Tutoring in SES Achievement Gaps](#)”. Social Science Research.

2024 Nima Dahir, Jackelyn Hwang, and **Ang Yu**. “[Cleaning Up the Neighborhood: White Influx and Differential Requests for Services](#)”. Socius.

2023 Maria Schletzbaum, Nadia Sweet, Brad Astor, **Ang Yu**, W. Ryan Powell, Andrea Gilmore-Bykovskyi, Farah Kaikow, Ann Sheehy, Amy J. Kind, and Christie M. Bartels. “[Associations of Postdischarge Follow-Up With Acute Care and Mortality in Lupus: A Medicare Cohort Study](#)”. Arthritis Care & Research.

## Software

2023 **Ang Yu**. [cdgd: Causal Decomposition of Group Disparities](#).

## Selected Awards

- 2024 Best Student Paper Award of the East Asia Special Interest Group of Comparative and International Education Society  
(For [Zheng and Yu \[2024\]](#))
- 2023 Professor Archie O. Haller Memorial Scholarship of UW-Madison's Sociology Department  
(For "cutting edge research in the area of research methodology")
- 2017 Provincial-level Outstanding Graduate of Shandong University  
(Highest graduation honor in China)

## Grants

- 2024 Co-Investigator. "New Methods for the Causal Decomposition of Group Inequalities". UW-Madison Institute for Diversity Science Seed Grant Program.

## Papers Under Review

Maria Schletzbaum, **Ang Yu**, Brad Astor, W. Ryan Powell, Shivani Garg, Andrea Gilmore-Bykovskyi, Joseph Kramer, Amy Kind, and Christie Bartels. Associations of Retention in Care by Visits or Lupus-Specific Labs with Acute Care among Young Adults: a Medicare cohort study. R&R at Lupus.

## Selected Work in Progress

**Ang Yu**, Li Ge, and Felix Elwert. [Detecting and Understanding the Difference between Natural Mediation Effects and Their Randomized Interventional Analogues](#). To be submitted to Statistical Science.

**Ang Yu**, Jiwei Zhao, and Felix Elwert. General Selection-aware Decomposition of Disparities.

**Ang Yu** Thinking Through Logit and a Way Forward.

Jen-Chen Chao, **Ang Yu**, and Felix Elwert. Are Schools the Great Equalizer in a Stratified School System? Evidence from Taiwan.

## Conference Presentations

- 2025 Research Committee on Social Stratification and Mobility (RC28) Spring Meeting (Milan)
- 2024 International Biometric Conference (Atlanta)
- 2024 Conference on Quantitative Methods for Assessing the Potential to Disrupt Disparities in and through STEM Education (Chicago)
- 2024 American Causal Inference Conference (Seattle)
- 2023 Interactive Causal Learning Conference (Boca Raton)
- 2023 American Sociological Association Annual Meeting (Philadelphia)
- 2023 Joint Statistical Meetings (Toronto)
- 2023 Research Committee on Social Stratification and Mobility (RC28) Spring Meeting (Paris)
- 2022 Research Committee on Social Stratification and Mobility (RC28) Summer Meeting (South Bend)
- 2022 American Causal Inference Conference (Berkeley)
- 2022 Population Association of America Annual Meeting (Atlanta)

2021 Workshop on Causality in the Social Sciences at the Leibniz Institute for the Social Sciences (online)  
2021 Research Committee on Social Stratification and Mobility (RC28) Spring Meeting (online)  
2020 American Sociological Association Annual Meeting (online)  
2020 Stanford Conference on Computational Sociology (online)  
2019 Research Committee on Social Stratification and Mobility (RC28) Summer Meeting (Princeton)  
2018 International Chinese Sociological Association Annual Meeting (Hong Kong)

## Teaching

UW-Madison Teaching Assistant, Statistics for Sociologists III

## Service

Reviewer, Annals of Applied Statistics  
Journal of Policy Analysis and Management  
Journal of the Royal Statistical Society, Series A ( $\times 2$ )  
Sociological Methodology  
Sociological Methods and Research ( $\times 8$ )  
Sociological Science  
Sociology of Education

Member (2022-2024), Committee on Professional Development, Departmental Graduate Student Association.

## Additional Training

2019 Human Capital and Economic Opportunity Global Working Group Summer School on Socioeconomic Inequality at Southwestern University of Finance and Economics in China.  
2019 Summer Institute in Computational Social Science at UCLA.  
2018 ICPSR Summer Sessions at the University of Michigan, Ann Arbor (Empirical Implications of Theoretical Models Certification for three seminars).  
2017, 2016 Workshop on Applied Social Science Research Methods at Shanghai University.  
2016 Summer Session with Econometrics Coursework at the University of Adelaide.