

## ANG YU

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## Employment

**Hong Kong University of Science and Technology**  
 2025- Assistant Professor, Division of Social Science  
**Meta Platforms, Inc.**  
 2025 (May to Dec) Research Scientist, Demography and Survey Science team

## Education

**University of Wisconsin-Madison**  
 2025 PhD, Sociology  
 Dissertation Committee: Felix Elwert, Eric Grodsky, Hyunseung Kang, Nicholas Mark, Jiwei Zhao, Xiang Zhou  
 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

## Publications

Methodology  
 2025 **Ang Yu** and Jiwei Zhao. “[Counterfactual Slopes and Their Applications in Social Stratification](#)”. Sociological Methodology.  
 2025 **Ang Yu** and Felix Elwert. “[Nonparametric Causal Decomposition of Group Disparities](#)”. Annals of Applied Statistics.

## Applications

2025 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](#)”. Lupus.  
 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 Kaiksow, 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

**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.

## Selected Works in Progress

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

**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. A Tale of Three Mechanisms: How High Schools Shape Achievement Gaps in Taiwan.

## Invited Talks

2025 Department of Statistics (Casual Causal Group), UC Berkeley

2025 Department of Statistics and Data Science, Carnegie Mellon University

2024 Division of Social Science, Hong Kong University of Science and Technology

2024 Nuffield College, Oxford University

## Conference Presentations

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

Instructor at HKUST

- Econometric Approaches to Social Science Research

Teaching Assistant at UW-Madison

- Statistics for Sociologists III

## Service

Methodology Section of the American Sociological Association

- Student Representative on the Section Council (2025-2027)
- Member of the Committee for the Section's Pedagogy Award (2026)
- Organizer of the Session "Causal Inference for Sociology" at the ASA Annual Meeting (2026)

Department Graduate Student Association

- Member of the Committee on Professional Development (2022-2024)

Reviewer

- Annals of Applied Statistics
- European Sociological Review

- Journal of Policy Analysis and Management
- Journal of the Royal Statistical Society, Series A ( $\times 3$ )
- Social Science Research
- Sociological Methodology ( $\times 2$ )
- Sociological Methods and Research ( $\times 11$ )
- Sociological Science
- Sociology of Education
- Socius ( $\times 2$ )