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
- Causal Inference in Social Sciences (scheduled)

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 ($\times 12$)

- Sociological Science

- Sociology of Education

- Socius ($\times 2$)

- Statistical Methods in Medical Research