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 Sociology)

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

Study Abroad at the University of Hong Kong

Research Interests

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

Publications

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

2023 **Ang Yu**. cdgd: Causal Decomposition of Group Disparities.

Papers Under Review

Ang Yu and Felix Elwert. Nonparametric Causal Decomposition of Group Disparities. 2nd round R&R at the Annals of Applied Statistics

Ang Yu and Jiwei Zhao. Counterfactual Slopes and Their Applications in Social Stratification. R&R at Sociological Methodology

Ang Yu, Li Ge, and Felix Elwert. When Do Natural Mediation Effects Differ from Their Randomized Interventional Analogues: Test and Theory. Under Review at Statistical Science.

Grants

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

Work in Progress

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

Ang Yu, Eric Grodsky, and Felix Elwert. What Do Income Inequalities in Preparation Among College Entrants Tell Us About Stratification in Higher Education?

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

Tarjei Widding-Havneraas, **Ang Yu**, Felix Elwert, and Henrik Daae Zachrisson. Family Structure and the Intergenerational Persistence of Educational Inequality: A Nonparametric Causal Decomposition Analysis Using Population-Wide Data.

Christie Bartels, **Ang Yu**, Felix Elwert, Andrea Gilmore-Bykovskyi, Shivani Garg, W Ryan Powell, and Amy Kind. Retention in Rheumatology Care and Hydroxychloroquine Associations with Acute-Care- and Kidney Failure-Free Survival in SLE: A Medicare cohort study.

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.

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)

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$7)
    Sociology of Education

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

Teaching

2025 Teaching Assistant, Statistics for Sociologists III (scheduled).

2023 Guest Lecturer, Causal Disparity Analysis (graduate course on causal mediation analysis at UW-Madison)

2021 Lecturer, Online Workshop: Introduction to Causal Inference (in Chinese)

Awards

2024 UW-Madison Institute for Research on Poverty Graduate Research Fellowship ($1000)

2023 Professor Archie O. Haller Memorial Scholarship ($2000)

2023 UW-Madison Graduate School Conference Presentation Award ($1500)

2018 Stanford East Asia Graduate Summer Grant ($7400)

2018 Stanford Center for East Asian Studies Continuing Student Fellowship ($11000)

2018 Stanford Global Perspectives Award ($1574)

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.