

Bing Han

Department of Sociology
Center on Aging and the Life Course
Purdue University

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EDUCATION

- Dual-title Ph.D. in Sociology and Gerontology, Purdue University 2026 (expected)
 - Graduate Certificate, Applied Statistics 2023
 - Graduate Certificate, Advanced Methods of the Behavioral, Health, and Social Sciences 2023
- M.S. in Sociology, Purdue University 2022
- M.S. in Human Geography, Zhejiang University 2018
- B.S. in Geographic Information Science, Lanzhou University 2015

RESEARCH INTERESTS

health and well-being
stereotypes and stigma

quantitative methodology
computational sociology

social psychology
aging and the life course

PUBLICATIONS

Published Peer-reviewed Journal Articles (click on the title to view the paper)

1. Hu, Jiayin and **Bing Han** (equal contribution). 2025. "Race and Ethnicity in Leadership Perceptions: Experimental Insights from White, Black, Asian, and Hispanic Christians in Multiracial Churches." *Social Science & Research*. 130 (2025): 103208.
 - Outstanding Graduate Student Paper Award, Department of Sociology, Purdue University
2. Mize, Trenton D. and **Bing Han**. 2025. "Inequality and Total Effect Summary Measures for Nominal and Ordinal Variables." *Sociological Science*. 12:115-57.
3. Kane, Danielle, **Bing Han**, and Yu Chung. 2024. "Education Level, Contraceptive Communication, and IUD Use Among Rural-to-Urban Migrants in China: A Qualitative Study" *PLOS One*. 19(12):e0311022.
4. **Han, Bing**, Dongying Li, and Po-Ju Chang. 2021. "The Effect of Place Attachment and Greenway Attributes on Well-being among Older Adults in Taiwan." *Urban Forestry & Urban Greening*. 65:127306.

Published Book Chapters

1. Mize, Trenton D. and **Bing Han**. *In Press*. "Marginal Effects: A Flexible Method of Interpretation Across Linear and Nonlinear Models." *Handbook on Data Modeling and Data Analysis*. Edward Elgar Publishing.

SOFTWARE AND DATASET

1. **Han, Bing** and Trenton D. Mize. 2025. “meinequality: Stata Command for Inequality Summary Effects of Nominal and Ordinal Independent Variables.” <https://www.trentonmize.com/software/meineq>.
2. **Han, Bing** and Trenton D. Mize. 2025. “totalme: Stata Command for Calculating Holistic Effect Size Measures for Nominal and Ordinal Outcome Models.” <https://www.trentonmize.com/software/totalme>.
3. Yang, Fenggang, Kim-Kwong Chan, Charles Chang, **Bing Han**, and Yuanfei Li. 2022. “Online Spiritual Atlas of the Global East - Hong Kong (OSAGE-HK) Data.” *Purdue University Research Repository*.

PAPERS UNDER REVIEW

1. **Han, Bing** and Trenton D. Mize. “Doing Gender, Doing Health: The Relationship between Gender Performance and Health Lifestyles.” *Social Science & Research*. (*Revise and Resubmit*)
 - Distinguished Master’s Thesis Award, College of Liberal Arts, Purdue University
2. Ferraro, Kenneth and **Bing Han** (equal contribution). “Does Cognitive Capital Reduce the Risk of Cognitive Decline in Later Life?” *Innovation on Aging*.
3. **Han, Bing**, Danielle Kane, and Yu Chung. “Negotiating Contraception: Joint Decision-Making and Gendered Power Dynamics Among Chinese Migrant Workers.” *PLOS One*.
4. **Han, Bing**, Ranran He, and Danielle Kane. “Negotiating Bride Price in Contemporary China: Gender Identity, Community Norms, and the Psychological Burden of Social Expectations.” *Chinese Journal of Sociology*.
5. Resweber, Corey, **Bing Han**, and Fenggang Yang. “Religious Diversity and Multi-Religiosity in Singapore.” *Journal for the Scientific Study of Religion*.

PAPERS IN PROGRESS

1. **Han, Bing**. “Health Behaviors and Social Stigma: Stereotypes, Devaluation, and Social Distance.” (*Draft Available*)
2. **Han, Bing**. “Intersecting Stigma and Attenuated Penalties: The Nonlinear Accumulation of Stigma Across Health Behaviors.” (*Draft Available*)
3. **Han, Bing** and Trenton D. Mize. “Summarizing Effects for Nominal and Ordinal Variables Using the meinequality and totalme Commands.” (*Draft Available*)
4. **Han, Bing** (co-first author), Kenneth Ferraro (co-first author), and Mallory J. Bell. “The Effect of Cognitive Capital on Mortality among Older Adults.”
5. Chen, Minne, **Bing Han**, and Yihan Liu. “Understanding the Impact of Family Caregiving and COVID-19 Stress on Mental Health Outcomes in Co-residing Aging Couples.” (*Draft Available*)
6. Marceau, Kristine, **Bing Han**, Laura Schwab Reese, Sharon Christ, James A. McCann, and Trenton D. Mize. “A Graduate Student Perspective on Methods Pedagogy in the Behavioral, Health, and Social Sciences.” (*Draft Available*)
7. Kane, Danielle and **Bing Han**. “Gender and the Division of Labor in the Multi-Household Family in China: A Qualitative Study.”
8. He, Ranran, Danielle Kane, and **Bing Han**. “Intrahousehold Property Ownership and Marriage Dynamics in China: The Role of Educational Background.”

CONFERENCE PRESENTATIONS

1. **Han, Bing**. “Intersecting Stigma: Understanding the Social Costs of Health Behaviors during the Life Course.” Group Processes Conference. 2025
2. **Han, Bing**. “Health Behaviors and Social Stigma: Stereotypes, Devaluation, and Social Distance.” American Sociological Association Annual Meeting. 2025
3. **Han, Bing**. “How Do Social Relationships Moderate the Influence of Adverse Childhood Experiences on Health-Risk Factors?” Population Association of America Annual Meeting. 2025
4. Mize, Trenton D. and **Bing Han**. “Inequality as a Summary Measure for the Effect of Nominal Independent Variables.” Sociological Science Conference. 2024
5. **Han, Bing** and Danielle Kane. “A Social Psychological Exploration on the Nuanced Negotiation Patterns of Bride Price Practice in China.” American Sociological Association Annual Meeting. 2024
6. Hu, Jiayin and **Bing Han**. “Unraveling the Complex Tapestry of Leadership Preferences Beyond White Privilege in Multiracial Churches: An Experimental Exploration” Society for the Scientific Study of Religion Annual Meeting. 2024
7. **Han, Bing**, Danielle Kane, and Yu Chung. “Emergency Contraception and Reluctance to Use Oral Contraceptives among Married Chinese Migrant Workers.” Population Association of America Annual Meeting. 2024
8. **Han, Bing**, Danielle Kane, and Yu Chung. “Linked Lives and Contraceptive Autonomy: Migrant Workers in China.” International Chinese Sociological Association Annual Meeting. 2023
9. Kane, Danielle and **Bing Han**. “Gender and the Division of Labor in the Multi-Household Family.” American Sociological Association Annual Meeting. 2023
10. **Han, Bing**. “Childhood Adversity, Social Support, and Substance Use in Adulthood.” Society for the Study of Social Problems Annual Meeting. 2023
11. **Han, Bing** and Trenton D. Mize. “Doing Gender, Doing Health: The Relationship between Gender Performance and Health Lifestyles.” Population Association of America Annual Meeting. 2023
12. **Han, Bing**. “The Empirical Exploration of the Pathways between Adverse Childhood Experiences (ACEs) and Adoption of Health-risk Behaviors Based on an SEM Approach.” Add Health Users Conference. 2022
13. Mize, Trenton D. and **Bing Han**. “Theoretical and Methodological Advances in Scaling Gendered Behavior: A Machine Learning Approach for Creating a Wave 5 Gendered Behavior Measure.” Add Health Users Conference. 2022

GRANTS & FUNDING

- Robert L. Eichhorn Award in Medical Sociology (PI), Department of Sociology, Purdue University. “Intersecting Stigmas: Understanding the Social Costs of Health Lifestyles during the Life Course.” (\$5,000) 2025
- Walter Hirsch Graduate Student Dissertation Award (PI), Department of Sociology, Purdue University. “Intersecting Stigmas: Understanding the Social Costs of Health Lifestyles during the Life Course.” (\$1,000) 2024
- Lois K. Cohen Graduate Education Endowment for Global Health in Sociology Award (PI), Department of Sociology, Purdue University.
 - “Stereotypes and Stigma of Health Lifestyles During the Life Course for Men and Women in the US Context.” (\$2,865) 2024
 - “Exploring the Relationships Between Health Lifestyles, Stereotypes, and Social Relationships: Evidence from an Experimental Design.” (\$4,000) 2023
- Promise Award, College of Liberal Arts, Purdue University.

- “A Social Psychological Exploration on the Nuanced Negotiation Patterns of Bride Price Practice in China.” (\$1,500) 2024
- “Emergency Contraception and Reluctance to Use Oral Contraceptives among Married Chinese Migrant Workers.” (\$1,000) 2024
- “Doing Gender, Doing Health: The Relationship between Gender Performance and Health Lifestyles.” (\$1,500) 2023
- “Theoretical and Methodological Advances in Scaling Gendered Behavior: A Machine Learning Approach for Creating a Wave 5 Gendered Behavior Measure.” (\$750) 2022
- Research Methodology Training Grant, Department of Sociology, Purdue University.
 - Longitudinal Data Analysis through Statistical Horizons. (\$995) 2023
 - Summer Institute in Computational Social Science (UCLA). (\$2,000) 2023
 - Empirical Analysis of Geospatial Associations and Cross-Unit Interdependence through ICPSR. (\$3,000) 2022
 - Machine Learning Applications in Social Science Research and Bayesian Modeling for the Social Sciences through ICPSR. (\$2,800) 2021

HONORS, AWARDS, & SCHOLARSHIP

- Howard B. Kaplan Memorial Award, Section on Medical Sociology, American Sociological Association. Received in recognition of research on stigma and health lifestyles during the life course. 2025
- Graduate Student Investigator Award (Honorable Mention), Section on Social Psychology, American Sociological Association. “Intersecting Stigmas: Understanding the Social Costs of Health Lifestyles during the Life Course.” 2025
- Outstanding Graduate Student Paper Award (with Jiayin Hu), Department of Sociology, Purdue University. 2025
- Finalist, College of Liberal Arts Graduate Student Excellence in Research Award, Purdue University 2024
- Health and Retirement Study Data Training Workshop Tuition Award, University of Michigan. 2024
- Purdue Graduate Student Government Travel Grant, Purdue University. 2024
- Distinguished Master’s Thesis Award, College of Liberal Arts, Purdue University 2022
- Office of Interdisciplinary Graduate Programs Travel Grant, Purdue University. 2023
- Student Forum Travel Award, American Sociological Association. 2023
- Graduate of Merit/Triple-A Graduate, Zhejiang University. 2017
- Award of Honor for Graduate, Zhejiang University. 2017
- Kwang-Hua Scholarship, Zhejiang University. 2017
- Excellent Social Practice Individual Award, Zhejiang University. 2016
- Academic Scholarship, Zhejiang University. 2016

RESEARCH EXPERIENCE

- Lab Manager | Joe and Maggie Kernan Experimental Social Science Lab 2025–2026
Purdue University
- Main responsibilities: Coordinated lab and survey experiments at the JMK Lab, including participant recruitment, IRB preparation, communication with faculty (for conducting pilot studies in their classes), experimental setup, and Qualtrics survey implementation.
- Research Assistant | Disparities in the Life Course Origins of Cognitive Decline 2023–2025
Purdue University

- Funded by National Institute on Aging (P.I.: Kenneth Ferraro; Budget: \$675,256; AG068388). Main responsibilities: Led two projects examining how neighborhood characteristics influence cognitive functioning and mortality among older adults by analyzing latent growth curve models using restricted Health and Retirement Study (HRS) data.

Research Assistant | Henan Migrant Family Study
Purdue University

2022–2024

- Main responsibilities: Co-designed and translated the interview guide; recruited participants; led two projects examining bride price and emotional strain, and the negotiation of contraceptive behaviors among couples; participated in three additional projects focused on family dynamics; and trained undergraduate and graduate students in data collection and analysis (P.I.: Danielle Kane).

Research Assistant | The Methodology Center at Purdue (MCAP)
Purdue University

2022–2023

- Supported by Ross-Lynn Research Scholar Fund. Main responsibilities: Collected and analyzed survey data on methodology pedagogy among graduate students; organized academic events; created data visualizations (e.g., an interactive interface for searching affiliated scholars by research methods); and developed and maintained websites.

Research Assistant | Measuring Religious Change in the Global East
Purdue University

2020–2022

- Funded by John Templeton Foundation (P.I.: Fenggang Yang; Budge: \$234,800; 61537). Main responsibility: Led spatial analysis and mapping of religious sites using ArcGIS, and managed and analyzed survey data.

METHODOLOGY TRAINING

- Summer Institute in Computational Social Science (SICSS-UCLA) 2023
 - causal inference with observational data; text analysis; network analysis; machine learning
- Statistical Horizons Courses 2023
 - longitudinal data analysis using Stata
- Advanced Methods Courses at Purdue 2021-2023
 - introduction to computational social science in R; latent variable modeling; categorical data analysis; experimental methods in the social sciences; sampling and survey techniques; design of experiments; qualitative research methods
- ICPSR Summer Program 2021/2022
 - machine learning; application in social science research; Bayesian modeling for the social sciences; empirical analysis of geospatial association and cross-unit interdependence

SKILLS

- Methods: multi-level modeling, latent variable modeling, structural equation modeling, experimental design, latent growth curve modeling, machine learning, spatial analysis/GIS, causal inference, survey design and data analysis, qualitative data analysis
- Software: Stata, R, Python, ArcGIS/QGIS, MPlus, MAXQDA, SAS, ENVI, Qualtrics, Prolific, Tableau, Latex

TEACHING EXPERIENCE

- Instructor, Purdue University
SOC 374: Medical Sociology (Fall 2024)
- Teaching Assistant, Purdue University

- SOC 391/SOC 681: Experimental Methods in the Social Sciences* (Fall 2025)
The Methodology Center at Purdue: Summer Institute on Longitudinal Data Analysis (Summer 2025)
SOC 681: Categorical Data Analysis (Fall 2023)
SOC 220: Social Problems (Fall 2020, Spring 2021)
- Guest Speaker, Purdue University
SOC 686: Qualitative Methods (Spring 2024; Spring 2025)

SERVICE

- Reviewer
 - Applied Psychology: Health and Well-Being 2025
 - GSA Annual Meeting 2024
 - BMC Geriatrics 2022
- American Sociological Association
 - Graduate Student Advisory Committee, Social Psychology Section 2024–2025
 - Round-table Presider, Sociology of Population Section 2024, 2025
- Sociology Graduate Student Organization, Purdue University
 - President (2024-2025), Vice President (2023-2024), Colloquium Committee (2022-2023), Chief Financial Officer (2021-2022)

ACADEMIC AFFILIATIONS

- Member, American Sociological Association (ASA) 2020-present
 - Section: Medical Sociology; Social Psychology; Methodology; Aging and the Life Course; Sociology of Mental Health; Asian and Asian American; Sociology of Sex and Gender
- Member, The Gerontological Society of America (GSA) 2023-present
 - Section: Behavioral and Social Sciences Section; Health Sciences Section; Social Research, Policy, and Practice Section
- Member, Population Association of America (PAA) 2023-present