

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 2022–2024
Purdue University
- 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) 2022–2023
Purdue University
- 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 2020–2022
Purdue University
- 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