

XI SONG

Department of Sociology
University of Pennsylvania
3718 Locust Walk, McNeil 353
Philadelphia, PA 19104

Phone: (215) 573-5101
Email: xisong@sas.upenn.edu
Homepage: www.xisong.me

EMPLOYMENT

- 2019– Associate Professor of Sociology and Demography, University of Pennsylvania
Computing Core Director, Population Studies Center
Committee Member, Data Driven Discovery Initiative
Faculty Organizer, Methodology Working Group
Faculty Organizer, Penn Summer Institute in Computational Social Sciences
- 2015–2019 Assistant Professor of Sociology and the College, The University of Chicago
Founding Member, Committee on Quantitative Research Methods in Social,
Behavioral, and Health Sciences
Member, Committee on Geographical Sciences
Faculty Associate, Center for the Economics of Human Development
Faculty Associate, Population Research Center
Faculty Associate, Center for East Asian Studies

EXTERNAL AFFILIATIONS

- 2023–2024 Russell Sage Foundation Visiting Scholar
- 2023– Advisory Board Member, Stone Center for Research on Wealth Inequality and Mobility
The University of Chicago
- 2020– Faculty Affiliate, Center for Applied Social and Economic Research, NYU Shanghai
- 2019– Faculty Affiliate, International Max Planck Research School for Population,
Health, and Data Science
- 2019– Faculty Affiliate, Population Research Center, The University of Chicago
- 2017– Faculty Affiliate, Human Capital and Economic Opportunity Global Working Group,
The University of Chicago
- 2017– Special Sworn Status, US Census Bureau

EDUCATION

2015	Ph.D. , Sociology, University of California, Los Angeles
2013	M.S. , Statistics, University of California, Los Angeles
2010	M.Phil. , Social Science, Hong Kong University of Science and Technology
2008	B.A. (Highest Academic Honors), Sociology, Renmin University of China

AREAS OF INTEREST

Social Mobility; Organizations, Occupations and Work; Social Statistics; Computational Social Sciences

PEER-REVIEWED PAPERS

27. **Song, Xi** and Yu Xie. forthcoming. "Occupation-Based Socioeconomic Index with Percentile Ranks." *Sociological Methods and Research*.
26. **Song, Xi**. forthcoming. "Robert D. Mare's Contribution to Multigenerational Processes." *Research in Social Stratification and Mobility*.
25. Mare, Robert D. and **Xi Song**. forthcoming. "Multigenerational Social Mobility in China." *Research in Social Stratification and Mobility*.
24. **Song, Xi**. 2022. "Understanding Subjective Inequality in China." *European Sociological Review* 1: 1–24.
23. Xie, Yu, Hao Dong, Xiang Zhou, and **Xi Song**. 2022. "Trends in Social Mobility in Post-Revolution China." *Proceedings of the National Academy of Sciences*. 119(7): e2117471119.
22. Fox, Matthew, Ravaris Moore, and **Xi Song**. 2022. "Entwined Life Events: The Effect of Parental Incarceration Timing on Children's Academic Achievement." *Advances in Life Course Research* 55: 1–14.
21. Huang, Qing, **Xi Song** and Yu Xie. 2022. "Dual-Pathways of Intergenerational Influence over Multiple Generations." *Chinese Sociological Review*. 1: 1–40.
20. **Song, Xi** and Hal Caswell. 2022. "The Role of Kinship in Racial Differences in Exposure to Unemployment." *Demography*. 59(4): 1325–1352.
19. **Song, Xi**, Emma Xiaolu Zang, Kenneth C. Land, Boyan Zheng. 2022. "Intergenerational Income Mobility Table Revisited: A Trajectory Group Approach." *Research in Social Stratification and Mobility*. 80:100713.
18. Caswell, Hal and **Xi Song**. 2021. "The Formal Demography of Kinship III: Kinship Dynamics with Time-Varying Demographic Rates." *Demographic Research*. 45(16):517–546.
 - 2022 Demographic Research Editor's Choice Award

17. **Song, Xi**. 2021. "Multigenerational Social Mobility: A Demographic Approach." *Sociological Methodology* 51(1):1–43.
16. **Song, Xi** and Thomas S. Coleman. 2021. "Using Administrative Big Data to Solve Problems in Social Science and Policy Research." *Global Social Security Review*. 14:5–15.
 - Translated into Korean; the English version can be found [here](#)
15. **Song, Xi**, Catherine G. Massey, Karen A. Rolf, Joseph P. Ferrie, Jonathan L. Rothbaum, and Yu Xie. 2020. "Long-Term Decline in Intergenerational Social Mobility in the United States, 1850–2015." *Proceedings of the National Academy of Sciences*. 117(1):251–258.
 - 2019 IPUMS USA Research Award
 - Reprinted in Grusky, D. B. Forthcoming. *The Inequality Reader*. Routledge.
14. Hawkley, Louise, Boyan Zheng, and **Xi Song**. 2020. "Negative Financial Shock Increases Loneliness in Older Adults, 2006–2016: Reduced Effect during the Great Recession (2008–2010)." *Social Science & Medicine*. 255:113000.
13. Xie, Yu, Christopher Near, Hongwei Xu, and **Xi Song**. 2020. "Heterogeneous Treatment Effects on Children's Cognitive/Non-Cognitive Skills: A Reevaluation of an Influential Early Childhood Intervention." *Social Science Research*. 86:102389.
12. **Song, Xi** (with Siwei Cheng; equal authorship). 2019. "Linked Lives, Linked Trajectories: Intergenerational Association of Intragenerational Income Mobility." *American Sociological Review*. 84(6): 1037–1068.
 - Reprinted in Grusky, D. B. Forthcoming. *The Inequality Reader*. Routledge.
11. **Song, Xi** and Robert D. Mare. 2019. "Shared Lifetimes, Multigenerational Exposure, and Educational Mobility." *Demography* 56(3): 891–916.
10. Brand, Jennie E., Ravaris Moore, **Xi Song**, and Yu Xie. 2019. "Parental Divorce Is Not Uniformly Negative for Children's Educational Attainment." *Proceedings of the National Academy of Sciences* 116(15): 7266–7271.
9. Brand, Jennie E., Ravaris Moore, **Xi Song**, and Yu Xie. 2019. "Why Does Parental Divorce Lower Children's Educational Attainment? A Causal Mediation Analysis." *Sociological Science* 6: 264–292.
8. Jarvis, Benjamin F. and **Xi Song**. 2017. "Rising Intragenerational Occupational Mobility in the United States, 1969–2011." *American Sociological Review* 82(3): 568–599.
 - International Sociological Association RC28 Significant Scholarship Award
7. **Song, Xi** and Cameron D. Campbell. 2017. "Genealogical Microdata and Their Significance for Social Science." *Annual Review of Sociology* 43: 1.1–1.25.

6. **Song, Xi** and Robert D. Mare. 2017. "Short-Term and Long-Term Educational Mobility of Families: A Two-Sex Approach." *Demography* 54(1): 145–173.
5. **Song, Xi**. 2016. "Diverging Mobility Trajectories: Grandparent Effects on Educational Attainment in One- and Two-Parent Families." *Demography* 53(6): 1905–1932.
 - American Sociological Association Family Section Graduate Student Paper Award Honorable Mention
4. **Song, Xi**, Cameron D. Campbell, and James Z. Lee. 2015. "Ancestry Matters: Patrilineage Growth and Extinction." *American Sociological Review* 80(3): 574–602.
3. **Song, Xi** and Robert D. Mare. 2015. "Prospective Versus Retrospective Approaches to the Study of Intergenerational Social Mobility." *Sociological Methods and Research* 44(4): 555–584.
2. **Song, Xi** and Yu Xie. 2014. "Market Transition Revisited: Changing Regimes of Housing Inequality in China, 1988-2002." *Sociological Science* 1: 277–291.
1. Wu, Xiaogang and **Xi Song**. 2014. "Ethnic Stratification in China's Economic Transition: Evidence from Xinjiang Uyghur Autonomous Region." *Social Science Research* 44: 158–172.

NON-PEER REVIEWED PAPERS

- Song, Xi**, Michael Lachanski, and Thomas Coleman. 2021. "Three Myths about Inequality and Mobility" *Capitalism and Society*. 15(1):1–15.
- Song, Xi**. 2020. "Models of Social Mobility and Social Change" edited by Michael Feuer, *Models in Social and Behavioral Sciences*. Social Science Research Council.
- Xie, Yu and **Xi Song**. 2010. Chapter 1 Basic Concepts in Statistics; Chapter 2 Statistical Estimation and Inference; Chapter 3 Simple Regression; Chapter 5 Multiple Regression edited by Yu Xie, *Regression Models in Social Sciences*. Social Sciences Academic Press, Beijing, China (in Chinese).

UNPUBLISHED WORKING PAPERS

- Alburez-Gutierrez, Diego, Nicola Barban, Hal Caswell, Martin Kolk, Rachel Margolis, Emily Smith-Greenaway, **Xi Song**, Ashton M. Verdery, and Emilio Zagheni. 2022. "Kinship, Demography, and Inequality: Review and Key Areas for Future Development."
- Jacobs, Jerry A., Sukie Yang, and **Xi Song**. 2022. "The Long Expansion and Decline of Craftsman Occupations: The Case Study of Blacksmiths"
- Tian, Ziyao, **Xi Song**, and Yu Xie. 2022. "Intergenerational Social Mobility of Asian Americans Under the Shadow of the Asian Exclusion (1882–1943)."
- 2021 IPUMS Excellence In Research Award

Brand, Jennie E., Ravaris Moore, **Xi Song**, and Yu Xie. 2017. “Unequal Families, Unequal Effects: How Parental Divorce Differentially Impacts Children’s Educational Attainment.” California Center for Population Research Working Paper Series PWP-CCPR-2017-010.

Song, Xi. 2014. “Heterogeneous Grandparent Effects: The Effect of Grandparents’ Education on Grandchildren’s Education in One-Parent and Two-Parent Families.” California Center for Population Research Working Paper Series PWP-CCPR-2016-013.

Mare, Robert D. and **Xi Song**. 2014. “Social Mobility in Multiple Generations.” California Center for Population Research Working Paper Series PWP-CCPR-2016-014.

SOFTWARE PACKAGES

R Packages

Song, Xi and Jiahui Xu. 2022. “OccRank: An R Package to Estimate Occupation-Based Socioeconomic Index with Percentile Ranks.” [\[GitHub\]](#) [\[CRAN\]](#) [\[Website\]](#).

Williams, Iván, Diego Alburez-Gutierrez, **Xi Song**, and Hal Caswell. 2021. “DemoKin: An R Package to Implement Matrix Kinship Models in Stable and Non-Stable Populations.” [\[GitHub\]](#) [\[CRAN\]](#) [\[Website\]](#).

STATA Modules

Song, Xi and Jiahui Xu. 2022. “OccRank: A Stata Module for Estimating Occupation-Based Socioeconomic Index with Percentile Ranks.” [\[GitHub\]](#).

RESEARCH GRANTS

External

2023–2025 “Intergenerational Mobility with Regime Changes and Structural Shocks.”

Source: Russell Sage Foundation

Role: Co-PI (PI: Gueyon Kim)

Revise & Resubmit

2023–2026 “Asian Americans’ Earnings (Dis)Advantages and Trajectories in the U.S. Labor Market: New Evidence from Linked Longitudinal Survey-Administrative Data.”

Source: National Science Foundation

Role: Principal Investigator

Amount: \$315,662

2015–2017 “Heterogeneous Treatment Effects in Demographic Research” (PI: Yu Xie)

Source: NIH/NICHD 1 R01 HD074603-01

Role: Consultant

Internal

- 2023–2024 “Changing Occupational Segregation by Gender, Race, Education, and Nativity.”
Source: Pension Research Council and the Population Studies Center,
University of Pennsylvania
Role: Principal Investigator
Amount: \$21,800
- 2023–2024 “Methodology in Sociological Research Working Group.”
Source: SAS Faculty Working Group Grant,
University of Pennsylvania
Role: Principal Investigator (co-PI: Allison Dunatchik)
Amount: \$5,000
- 2022–2023 “The Summer Institute in Computational Social Science.”
Source: SAS Conference Grant,
University of Pennsylvania
Role: Principal Investigator (co-PI: Alejandra Regla-Vargas)
Amount: \$5,000
- 2022–2023 “Methodology in Sociological Research Working Group.”
Source: SAS Faculty Working Group Grant,
University of Pennsylvania
Role: Principal Investigator (co-PI: Alexander Adames)
Amount: \$4,680
- 2022–2023 “Predicting Growing and Declining Occupations Using Occupational Outlook Handbooks.”
Source: University Research Foundation Award,
University of Pennsylvania
Role: Principal Investigator
Amount: \$45,000
- 2022–2023 “Predicting Growing and Declining Occupations Using Occupational Outlook Handbooks.”
Source: SAS Research Opportunity Grants,
University of Pennsylvania
Role: Principal Investigator
Amount: \$5,000
- 2021–2022 “The Evolution of Occupations in the United States.”
Source: Quartet Pilot Research Project Competition, Population Studies Center,

	University of Pennsylvania
	Role: Principal Investigator
	Amount: \$19,960
2020	"Three Narratives About U.S. Inequality."
	Source: Campaign for Community, University of Pennsylvania
	Role: Principal Investigator
	Amount: \$400
2018–2019	"Visualization for Understanding and Exploration (VUE): Perceived Inequality in China."
	Source: Research Computing Center, University of Chicago
	Role: Principal Investigator
	Amount: Two research associates
2016–2018	"Multigenerational Social Mobility and Inequality in the United States."
	Source: Social Science Division Pilot Grant, University of Chicago.
	Role: Principal Investigator
	Amount: \$20,000
2015–2018	"Social Inequality in China and East Asia."
	Source: Faculty Research Grant, East Asian Studies, University of Chicago
	Role: Principal Investigator
	Amount: \$12,000

HONORS AND AWARDS

2022	Mentor of the Year Award, Graduate Students Society, University of Pennsylvania
2022	IPUMS Excellence In Research Award
2022	Demographic Research Editor's Choice Award
2021	William Julius Wilson Early Career Award, American Sociological Association, Section on Inequality, Poverty, and Mobility
2019	IPUMS USA Research Award
2019	International Sociological Association RC28 Significant Scholarship Award in Social Stratification
2015	Graduate Student Paper Award Honorable Mention, Section on Family, American Sociological Association
2013	Research Grant, UCLA Center for the Study of Women
2013	Stanford Biodemography Workshop Scholarship
2008	Best Thesis Award, Renmin University of China
2007	PetroChina Scholarship, Renmin University of China
2006	Xiaotong Fei Scholarship, Xiaotong Fei Foundation
2005–2008	First Class Academic Honors, Renmin University of China

TEACHING

Graduate Course, University of Pennsylvania

Sociology 662, Panel Data Analysis
Sociology 612, Categorical Data Analysis
Sociology 5351 Quantitative Methods II

Undergraduate Course, University of Pennsylvania

Sociology 010/301, Social Stratification

Graduate Course, University of Chicago

Sociology 30005, Advanced Statistical Methods of Research
Sociology 40204, Categorical Data Analysis
Sociology 40212, Demographic Techniques

Undergraduate Course, University of Chicago

Sociology 13200, Social Science Inquiry II

SELECTED INVITED TALKS

- 2023 University of Haifa Department of Sociology; University of Chicago Workshop on Quantitative Methods in Education, Health and Social Sciences QMEHSS; University of Chicago Center for the Economics of Human Development; Hong Kong University (scheduled); Sciences Po (scheduled); U.S. Census Bureau Summer at Census Program (scheduled); Hong Kong University of Science & Technology (Guangzhou) (scheduled); National University of Singapore (scheduled); Linköping University Institute for Analytical Sociology (scheduled); University of Minnesota Population Center (scheduled)
- 2022 University of Toronto Data Science Inequity Program Speaker Series; University of Chicago The Demography Workshop; National University of Singapore Centre for Family and Population Research; Princeton University Research on East Asian Demography and Inequality (READI) Seminar; Peking University Center for Social Research; University of Pennsylvania Graduate School of Education; Shanghai University Summer School in Applied Social Science Research Methods; Chinese University of Hong Kong Department of Sociology; European University Institute; National Academies of Sciences, Engineering, and Medicine Mobility Workshop; Lorentz Center Netherlands; Florida State University CDPH Brownbags; University of Michigan PSID Seminar Series
- 2021 UCLA Social Stratification, Inequality and Mobility Working Group; Duke Population Research Institute; UC Berkeley Demography Brown Bag; Bowling Green State University Center for Family and Demographic Research
- 2020 University of Chicago Human Capital and Economic Opportunity Working Group; Max Planck Institute of Demographic Research; University of Pennsylvania Data Science Hangout; Brown University Population Studies and Training Center
- 2019 Hong Kong University of Science and Technology Fok Ying Tung Research Institute; Princeton University Princeton Research Network on Contemporary China; Pennsylvania State University Department of

- Sociology; McGill University Department of Sociology
- 2018 University of Chicago Social Science Division Council Meeting; UCLA California Center for Population Research; University of Chicago Center for the Economics of Human Development; University of Wisconsin–Madison Department of Sociology; Zhejiang University Department of Sociology; Princeton University Princeton Research Network on Contemporary China (PRCC); New York University Department of Sociology; Tel Aviv University Department of Sociology; University of Haifa Department of Sociology; Harvard University Social Demography Seminar; University of Pennsylvania Department of Sociology
- 2017 Princeton University Office of Population Research; University of Wisconsin–Madison Department of Sociology; Northwestern University Department of Preventive Medicine, Feinberg School of Medicine
- 2016 University of Chicago Center for Health Statistics, School of Public Health Sciences; Columbia University Center for the Study of Wealth and Inequality; University of Chicago Workshop on Quantitative Methods in Education, Health, and the Social Sciences (QMEHSS)
- 2015 University of Chicago Population Research Center
- 2014 University of California–Berkeley Department of Demography; University of Michigan Department of Sociology; University of Chicago Department of Sociology; Northwestern University Department of Sociology

SELECTED CONFERENCE PRESENTATIONS (LAST FIVE YEARS)

- Song, Xi**, Allison Dunatchik, and Rebecca Schut. 2023. “Place of Education and Long-Term Earnings Mobility in the US.” Research Committee on Social Stratification and Mobility (RC28) of the ISA, Sciences Po, Paris, France.
- Song, Xi**, Jennie Brand, Sukie Yang, and Michael Lachanski. 2022. “Declining Jobs, Declining Opportunities? Mobility of Workers in Occupations With the Most Job Losses, 2000–2021.” Research Committee on Social Stratification and Mobility (RC28) of the ISA, University of Notre Dame, IN.
- Song, Xi**, Jennie Brand, Sukie Yang, Michael Lachanski. 2022. “Mobility of Workers in Occupations with Job Contraction.” Annual Meeting of the Population Association of America, Atlanta, GA.
- Song, Xi** and Yu Xie. 2021. “Occupation-Based Socioeconomic Index with Percentile Rank.” Annual Meeting of the American Sociological Association (virtual).
- Song, Xi**. 2021. “Multigenerational Social Mobility: The Mare Approach.” Annual Meeting of the American Sociological Association (virtual).
- Song, Xi**. 2020. “A Demographic Approach to the Analysis of Social Mobility.” Annual Meeting of the Population Association of America, Washington DC.
- Song, Xi**. 2019. “Multigenerational Social Mobility.” Annual Meeting of the American Sociological Association, New York, NY.

Song, Xi and Yinxian Zhang. 2018–2019. “Perceived Inequality in China.” Research Committee on Social Stratification and Mobility (RC28) of the ISA, Princeton University, NJ; Princeton Research Network on Contemporary China; Annual Meeting of the International Chinese Sociological Association, Princeton University, NJ.

Hawkley, Louise, Boyan Zheng, and **Xi Song**. 2019. “Loneliness and Behavioral Consequences of Negative Wealth Shock in Older Adults.” Annual Meeting of the Population Association of America, Austin, TX.

Song, Xi, Emma Xiaolu Zang, Kenneth C. Land. 2018. “Intergenerational Income Dynamics and Mobility.” Annual Meeting of the American Sociological Association, Philadelphia, PA.

Song, Xi, and Robert D. Mare. 2018. “Intergenerational Coresidence, Family Transitions, and the Transmission of Inequality across Generations in the United States.” Research Committee on Social Stratification and Mobility (RC28) of the ISA, Yonsei University, South Korea.

ADVISING

University of Pennsylvania

Dissertation Chair

In progress Alexander Adames

In progress Allison Dunatchik

Dissertation Committee

2023 Treva Tam (Zillow)

2022 Weilong Li (Analysis Group)

2021 Nick Graetz (Postdoc, Princeton University)

In progress Hyeri Choi (School of Social Policy & Practice)

In progress Taylor Heath

Doctoral Advisor

In progress Michael Lachanski

In progress Kathryn O'Neill

Outside Dissertation Committee Member

In progress Fumiya Uchikoshi (Princeton University)

University of Chicago

Dissertation Committee

2021 Winnie Tong (McKinsey & Company)

DEPARTMENTAL & UNIVERSITY SERVICE

University of Pennsylvania

University-Wide

2023–2024	International Conference on Computational Social Science Organization Committee Chair
2022–2023	SAS Teaching Awards Committee Member
2022–2023	The Summer Institute in Computational Social Sciences Organizer
2021–2022	Center for Undergraduate Research & Fellowships Mentor
2021–2022	The Summer Institute in Computational Social Sciences Organizer
2020–2021	Center for Undergraduate Research & Fellowships Mentor
2020–2021	Fulbright Faculty Committee
2019–2020	SAS Strategic Planning Working Group
2019–2020	SAS Data-Driven Discovery Working Group
2019–2020	SAS China Working Group

Department of Sociology

2022–2023	Asian American Working Group Faculty Co-sponsor
2022–2023	Colloquium Committee
2021–2023	Executive Committee
2021–2023	Methodology Working Group Faculty Sponsor
2020–2021	Colloquium Committee
2019–2020	Computing Committee

University of Chicago

University-Wide

2015–2019	Faculty Mentor, Specialized Training Program in the Center on Demography and Economics of Aging, NORC at the University of Chicago
2015–2019	Faculty Sponsor, East Asia Workshop
2018	Faculty Coordinator, Demography Workshop

Department of Sociology

2016–2017	Graduate Admissions Committee
2017	Placement Committee
2015–2017	Prelim Exam Committee on Family
2015–2017	Prelim Exam Committee on Population
2016	Special Field Exam Chair

SERVICE TO THE DISCIPLINE

American Sociological Association, Inequality, Poverty, and Mobility Section

2023	Early Career Award Committee Chair
2022	Early Career Award Committee Member
2022	Distinguished Scholar Award Committee Member
2021	Outstanding Article Award Committee Member
2016	Nominations Committee Member

American Sociological Association, Methodology Section

2021–2024	Council Member
2023	Outstanding Publication Award Committee Chair
2022	Outstanding Publication Award Committee Chair

American Sociological Association, Mathematical Sociology Section

2023–2026	Council Member
2021	Program Committee Member

American Sociological Association, Aging and the Life Course Section

2019	Mentoring Committee Member
------	----------------------------

American Sociological Association, Rationality and Society Section

2023	Best Graduate Student Paper Award Committee Member
------	--

International Sociological Association Research Committee on Social Stratification and Mobility

2020	Committee Member, RC28 Significant Scholarship Award
------	--

International Chinese Sociological Association

2019–	Board Member
-------	--------------

American Journal of Sociology

2016–2019	Associate Editor
2015–2016	Editorial Board

Chinese Sociological Review

2020–2024	Editorial Board
-----------	-----------------

Demography

2020–	Editorial Board
-------	-----------------

IPUMS

2022–	Advisory Board
-------	----------------

Social Science Research

2020–2023 Editorial Board

Sociological Methodology

2020–2022 Editorial Board

Research in Social Stratification and Mobility

2019–2023 Associate Editor

2017– Editorial Board

Occasional Referee

Advances in Life Course Research; American Journal of Sociology; American Sociological Review; British Journal of Sociology; Chinese Sociological Review; Demography; Demographic Research; European Journal of Population; European Research Council; European Sociological Review; Housing Studies; International Migration Review; Israel Science Foundation; Journal of Family Studies; Journal of Health and Social Behavior; Journal of Marriage and Family; Journal of Political Economy; National Science Foundation; Nature Human Behaviour; PLOS ONE; Population and Development Review; Population Research and Policy Review; Proceedings of the National Academy of Sciences; Research in Social Stratification and Mobility; Research in the Sociology of Education; Science Advances; Social Currents; Social Forces; Social Problems; Social Sciences and Humanities Research Council of Canada; Social Science History; Social Science Research; Social Science and Medicine; Sociological Methods and Research; Sociological Methodology; Sociological Science; Sociology of Education; Sociology of Race and Ethnicity; Socius; The Review of Economic Studies; The Sociological Quarterly