

LUYIN ZHANG

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RESEARCH INTERESTS

Social Science Genomics, Computational Social Science, Demography, Causal Inference, Inequality, Health & Aging

EDUCATION

Princeton University <i>PhD, Population Studies</i>	2022–27 (expected)
University of Oxford <i>Visiting Scholar (Nuffield Department of Population Health)</i>	09/2025–11/2025
University of Oxford <i>MPhil, Sociology and Demography</i> Graduated with First-Class Honors (Distinction)	2020–22
Renmin University of China <i>B.A., Public Affairs Management (Public Policy and Population Management)</i> Graduated with First-Class Honors	2016–20

PEER-REVIEWED PUBLICATIONS

9. **Zhang, L.**, and Trejo, S. DNA, Self-Reported Ancestry, and Social Scientific Inquiry. Forthcoming in *Demography*. [\[Preprint\]](#)
8. Taddess, B.*, **Zhang, L.***, and Trejo, S. 2026. Leveraging Genomic Data to Document Within-Race Attractiveness Penalties Among Black Americans. *Sociological Science*, 13, 802–824. * **Joint lead authorship.**
7. Polizzi, A., Tilstra, A.M., **Zhang, L.**, and Dowd, J.B. 2026. Why is life expectancy in England & Wales falling behind? A cause-of-death decomposition approach. *Population Studies*, 1–21.
6. Polizzi, A., **Zhang, L.**, Timonin, S., Gupta, A., Dowd, J.B., Leon, D.A., and Aburto, J.M. 2025. Indirect effects of the COVID-19 pandemic: A cause-of-death analysis of life expectancy changes in 24 countries, 2015 to 2022. *PNAS Nexus*, 4(1), pgae508.
5. Dowd, J.B., Doniec, K., **Zhang, L.**, and Tilstra, A. 2024. US Exceptionalism? International trends in midlife mortality. *International Journal of Epidemiology*, 53(2), dyae024.
4. Schöley, J., Aburto, J.M., Kashnitsky, I., Kniffka, M.S., **Zhang, L.**, Jaadla, H., Dowd, J.B., and Kashyap, R. 2022. Life expectancy changes since COVID-19. *Nature Human Behaviour*, 6, 1649–1659.
3. Aburto, J.M., Schöley, J., Kashnitsky, I., **Zhang, L.**, Rahal, C., Missov, T.I., Mills, M.C., Dowd, J.B., and Kashyap, R. 2021. Quantifying impacts of the COVID-19 pandemic through life-expectancy losses: a population-level study of 29 countries. *International Journal of Epidemiology*, 51(1), 63–74.
2. **Zhang, L.** 2020. Premarital cohabitation in China and its impacts on marriage and fertility trajectories. *Population Research*, 44(6), 96–113. (In Chinese)
1. Li, T., Yuan, J., Xia, L., Xiong, Y., and **Zhang, L.** 2019. The transition of fertility intention propensity of Chinese web-users: the application of public opinion big data analysis. *Population Research*, 43(4), 36–49. (In Chinese)

WORKING PAPERS

3. **Zhang, L.**, Taddess, B., and Conley, D. Beyond Pedigree: Realized Genetic Relatedness and Sibling Bonds.
2. **Zhang, L.**, Menon, V., and Trejo, S. Uncovering the Hidden Magnitude of Within-Race/Ethnicity Skin Tone Inequality. [\[Preprint\]](#)
1. **Zhang, L.**, and Conley, D. Within-Family GWAS Does Not Ameliorate the Decline in Prediction Accuracy Across Populations. R&R at *Behavior Genetics*. [\[Preprint\]](#)

WORK IN PROGRESS

7. **Zhang, L.**, and Trejo, S. Skin Tone Stratification in Socioeconomic and Health Outcomes: Evidence From Ancestry Disequilibrium Regression in All of Us.
6. **Zhang, L.** A Genomic Study of Skin Tone Disparities in Biological Aging and Healthy Longevity Among Black and Hispanic Americans.
5. **Zhang, L.** From Occupational Exposure to Family Exposure: A Kinship Demography of Artificial Intelligence.
4. **Zhang, L.** A Genetic Lottery Across Three Generations: Descendant Genotype, Cardiovascular Health, and Longevity in Parents and Grandparents.
3. **Zhang, L.**, and Conley, D. Random Inheritance, Upward Consequences: Quasi-Experimental Evidence on Offspring Genotype and Parental Health.
2. **Zhang, L.**, Trejo, S., and Conley, D. Genetic Ancestry-Related Assortative Mating among U.S. Black and Hispanic Populations.
1. Menon, V., **Zhang, L.**, and Trejo, S. The Gap Within the Gap: Using Continuous Measures of Racialization to Study School Racial Segregation.

RESTING PAPERS

2. **Zhang, L.** Revisiting the Relationship Between Educational Attainment and the Family Life Course: A Sociogenomic Approach.
1. Dowd, J.B., and **Zhang, L.** COVID-19 Vaccine Roll-Out in the United States: Potential Lives Saved from a Delayed Second-Dose Strategy.

ACADEMIC ACTIVITIES

Conference presentations

- 2026 European Social Science Genetics Network, The Advances in Social Genomics Conference
- 2025 Oxford Metrics and Models Seminar, Integrating Genetics and the Social Sciences Conference, European Social Science Genetics Network, Population Association of America Annual Meeting
- 2024 Integrating Genetics and the Social Sciences Conference, Population Association of America Annual Meeting
- 2022 Integrating Genetics and the Social Sciences Conference

Journal referee

BMC Public Health
Behavior Genetics

Conference service

Organizing Committee, International Conference on Social Computing 2026
Guest Organizer, Oxford Metrics and Models Seminar 2025
Session Chair, Population Association of America 2023 Annual Meeting

RESEARCH ASSISTANTSHIPS

Department of Sociology, Princeton University PIs: Dalton Conley, Henry Putnam University Professor of Sociology Sam Trejo, Assistant Professor of Sociology	2023–present
Leverhulme Centre for Demographic Science, University of Oxford PIs: Jennifer Dowd, Associate Professor of Demography and Population Health Ridhi Kashyap, Professor of Demography and Computational Social Science	2020–22
Center for Social Research, Peking University PI: Yu Xie, Bert G. Kerstetter '66 University Professor of Sociology, Princeton University	2019–21
Center for Population and Development Studies, Renmin University of China PI: Ting Li, Professor of Sociology and Demography	2018–19

TEACHING ASSISTANTSHIPS

Introduction to Data Science [Syllabus] For Derek Sollberger, Lecturer at the Center for Statistics and Machine Learning, Princeton University	Spring 2026
Advanced Social Statistics [Syllabus] For Sam Trejo, Assistant Professor of Sociology, Princeton University	Spring 2025
Epidemiology [Syllabus] For Noreen Goldman, Hughes-Rogers Professor of Demography and Public Affairs, Princeton University	Spring 2025
Epidemiology: Unpacking Health with Classic Tools, Ecology and Evolution [Syllabus] For Jessica Metcalf, Associate Professor of Ecology, Evolutionary Biology, and Public Affairs, Princeton University	Spring 2024

TRAINING WORKSHOPS

European Social Science Genetics Network Methodological Workshop University of Oxford, Oxford, United Kingdom	09/2025
Genomics for Social Scientists Workshop Institute for Social Research, University of Michigan, Ann Arbor, MI	06/2024
Finnish Sociogenomics Workshop Finnish Institute for Health and Welfare, Helsinki, Finland	09/2023
Topics in Digital and Computational Demography Max Planck Institute for Demographic Research, Online	11/2022
International Statistical Genetics Workshop Institute for Behavioral Genetics, University of Colorado Boulder, Online	06/2022

AWARDS & FELLOWSHIPS

Princeton Graduate Fellowship in Precision Health	2026–27
Princeton Graduate Fellowship in Social Data Science	2026–27
Princeton University Graduate Fellowship	2022–27
A.H. Halsey Prize for Best Dissertation in the MPhil Examinations	2021–22
A.H. Halsey Prize for Best Overall Performance	2020–22
St Cross MPhil Scholarship in the Humanities and Social Sciences	2020–22
Beijing Municipal Education Commission Excellent Graduate	2020
Beijing Municipal Education Commission Excellent Bachelor's Dissertation	2020
China National Scholarship	2017–20
Fei Hsiao-tung Academic Excellence Scholarship	2018
China Scholarship Council Scholarship	2018

SKILLS

R, Bash, LaTeX, Python, Stata, SAS