

YIANG LI

Master's Candidate in Computational Social Science, The University of Chicago

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EDUCATION

University of Chicago

MA Computational Social Science

September 2022 - Present

Current Cumulative GPA: 4.0/4.0

University College London (UCL)

BSc Social Sciences with Data Science

September 2019 - June 2022

First Class Honours, GPA: 4.0/4.0

RESEARCH INTERESTS

Social Demography, Family, Aging and the Life Course, Gender and Sexuality, Computational Methods

PEER-REVIEWED JOURNAL PUBLICATIONS

[†] indicates authors contributed equally to this work and share the first authorship

5. Zhou, Xingzuo., **Yiang Li**, Ana Correa, Francesco Salustri, and Jolene Skordis. 2023. "The Need for Voices from the Grassroots in China's Public Health System." *The Lancet Regional Health – Western Pacific* 32. <https://doi.org/10.1016/j.lanwpc.2023.100743>.
4. Zhou, Xingzuo[†]., **Yiang Li**[†], Tianning Zhu, and Yiran Xu. 2023. "Individuals with Long-Term Illness, Disability or Infirmary Are More Likely to Smoke than Healthy Controls: An Instrumental Variable Analysis." *Frontiers in Public Health* 10. <https://doi.org/10.3389/fpubh.2022.1015607>.
– Research Solution Award (\$600) & Finalist in 2022 Inter-University Big Data Challenge
3. Chen, Lijuan, **Yiang Li**, and Qiuyue Yang. 2022. "The Effect of Grandparenting on the Depression and Life Satisfaction among Middle-Aged and Older Chinese Adults." *International Journal of Environmental Research and Public Health* 19(17):10790. <https://doi.org/10.3390/ijerph191710790>.
2. **Li, Yiang.**, Xingzuo Zhou, Tianning Zhu, & Xiaowei Guo. 2022. "Racial Hate Crime and COVID-19: A Multinomial-choice Study in the US." *UCL Journal of Economics* 1(1):24-31. <https://doi.org/10.14324/111.444.2755-0877.1403>
– "Most Popular Paper" & "Best 10 Submissions of Research Paper", 2022 UCL Department of Economics Research Conference
1. Zhou, Xingzuo[†]., and **Yiang Li**[†]. 2022. "Forecasting the COVID-19 Vaccine Uptake Rate: An Infodemiological Study in the US." *Human Vaccines & Immunotherapeutics* 18(1):2017216. <https://doi.org/10.1080/21645515.2021.2017216>
– Finalist in 2021 STEM Fellowship Undergraduate Big Data Challenge Conference

WORK IN PROGRESS

9. **Li, Yiang.**, Linda J. Waite, Edward O. Laumann. Big Mamma: Gender Differentials in the Link Between Obesity and Sexuality in Older Adults. Under Review at *Journal of Health and Social Behavior*.
– Annual Meeting of American Sociological Association (ASA 2023)
– Donald J. Bogue Demography Workshop, University of Chicago
8. Zang, Emma Xiaolu., **Yiang Li**, Mobarak Hossain. "It Depends on Where You Become Successful: Contextual and Individual Social Mobility and Young Adults' Health in the United States." In Preparation.
7. Waite, Linda J., **Yiang Li**, Kristen Wroblewski. Bringing Social World into Our Understanding of Health. In Preparation.
6. Adams, Alexander., Jingying He, Xi Song, Irma Elo, **Yiang Li**. Socioeconomic Status and Mortality: An Intergenerational Mobility Perspective. In Preparation.
5. **Li, Yiang.**, Zejian Lyu. Gender Disparity and False Predictions in 10-year Mortality: Evidence from NSHAP. In Preparation
– Annual Meeting of Gerontological Society of America (GSA 2023)
4. Li, Meiyi., **Yiang Li**. Cognitive Functioning and Social Connectedness Among Older Couples: Dyadic Evidence From NSHAP. In Preparation
– Annual Meeting of Gerontological Society of America (GSA 2023)
3. **Li, Yiang.**, Xingzuo Zhou, & Zejian Lyu. Regional Homophily in Health Behaviors: Evidence from COVID-19 Vaccination Modeling in England with Social Network Theorem. Under Review at *Journal of Computational Social Science*.

2. **Li, Yiang.** Sibship affects later life's cognitive health: Evidence from HRS linked to 1940 U.S. Census.
1. **Li, Yiang.,** Xingzuo Zhou. The impact of retirement income changes on the Chinese older adults' well-being: Evidence from CHARLS. In Preparation.

SELECTED PRESENTATIONS AND CONFERENCES

4. Li, Meiyi., **Yiang Li.** 2023. Cognitive Impairment and Social Participation: A Dyadic Analysis of Older Couples.
- *Gerontological Society of America (GSA) Annual Meeting 2023, Tampa, FL, Nov 2023 (forthcoming)*
3. **Li, Yiang,** Zejian Lyu. Predicting 10-year Mortality: Evidence from the National Social Life, Health, and Aging Project.
- *Gerontological Society of America (GSA) Annual Meeting 2023, Tampa, FL, Nov 2023 (forthcoming)*
2. **Li, Yiang.,** Linda J. Waite, Edward O. Laumann. 2023. Obesity has different implications for sexuality of older men vs women: Evidence from the NSHAP
- *American Sociological Association (ASA) Annual Meeting 2023, Philadelphia, PA, Aug 2023*
- *Donald J. Bogue Demography Workshop, University of Chicago, Chicago, IL, Mar 2023*
1. **Li, Yiang.** 2023. Sibship affects later life's cognitive health: Evidence from Health and Retirement Study linked to 1940 U.S. Census.
- *8th Annual Interdisciplinary Graduate Conference, University of Chicago, Chicago, IL, May 2023*

AWARDS

- *Quadrangle Scholar Research Scholarship 2023-2024 (\$42500), University of Chicago*
- *Junior Scholar Travel Award 2023 (\$250), ASA Section on Aging and Life Course*
- *Maroon Scholar Research Scholarship 2022-2023 (\$32500), University of Chicago*
- *Best Undergraduate Student - Academic Contribution, University College London*

RESEARCH EXPERIENCE

NORC at the University of Chicago

Sept 2022 - Present

- Research assistant to **Prof. Linda Waite** and **Prof. Edward Laumann** on National Social Life, Health, and Aging Project (NSHAP) and Health and Retirement Study (HRS) using R, Python, and Stata
- 1. Applied statistical models (Actor-Partner Interdependence Model, Bayesian Profile Regression, and Latent Growth Curve Analysis) and computational methods (e.g., machine learning and neural networks) to address sociological research questions in health, aging, and the life course.
- 2. Drafted papers and led research assistants in developing independent research projects.

Yale University

May 2022 - Present

- Research assistant to **Dr. Emma Zang** on Panel Study of Income Dynamics (PSID), Health and Retirement Study (HRS), and Midlife in the United States (MIDUS) using Python and Stata
- 1. Applied computational data linkages and statistical models (Diagonal Reference Model and varying-intercept multilevel regression) to address sociological research questions in social determinants of health.
- 2. Co-drafted and funded by NLCHDD on Grant "Unraveling Geographic Disparities in ADRD Outcomes Across the United States: Exploring the Multifaceted Interplay of Contextual Factors Throughout the Life Course"

UCL Social Research Institute

March 2021 - May 2022

- Research assistant to Dr. Hedvig Horvath and Dr. Bilal Nasim for multilevel causal inference, quantitative text analysis, spatial mapping, and visualization using R

INDUSTRY EXPERIENCE

Oxwash

Intern Data Engineer

London, United Kingdom

May 2022 — Sep 2022

Ipsos Group

Intern Quantitative Researcher

Beijing, China

Apr 2021 — Jul 2021

DATA ANALYSIS SKILLS

Programming Languages

R, Python, SQL, Stata, HTML, bash

Python Packages

Scikit-learn, TensorFlow, RecordLinkage, BeautifulSoup, SQLite3, Scipy, Numba, Jellyfish

Software & Tools

TeX, MySQL, AWS (Boto3, Spark), MixPanel, Final Cut Pro