

# YIANG LI

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## EDUCATION

### University of Chicago

Ph.D. Sociology

September 2024 - June 2029 (Expected)

### University of Chicago

M.A. Computational Social Science

September 2022 - June 2024

Cumulative GPA: 4.0/4.0

Thesis: *Rivalry or Solidarity: Influence of Siblings in Childhood on Cognitive Function and Cognitive Decline in Later Life*

### University College London (UCL)

B.Sc. Social Sciences with Quantitative Methods

September 2019 - June 2022

First Class Honours

## RESEARCH INTERESTS

Social Demography, Family, Aging and the Life Course, Health, Inequality and Stratification, Statistical Methods

## PEER-REVIEWED JOURNAL PUBLICATIONS

<sup>†</sup> indicates authors contributed equally to this work and share the first authorship

5. **Li, Yang.**, Xingzuo Zhou, and Zejian Lyu. 2024. Regional Contagion in Health Behaviors: Evidence from COVID-19 Vaccination Modeling in England with Social Network Theorem. *Journal of Computational Social Science*. <https://doi.org/10.1007/s42001-023-00232-9>
4. Zhou, Xingzuo., **Yang 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>.
3. **Li, Yang<sup>†</sup>**, Xingzuo Zhou<sup>†</sup>, 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
2. Chen, Lijuan, **Yang 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>.
1. **Li, Yang<sup>†</sup>**, and Xingzuo Zhou<sup>†</sup>. 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

## PAPERS UNDER REVIEW

1. **Li, Yang.** Rivalry or Solidarity: Examining the Influence of Siblings in Childhood on Cognitive Decline in Later Life. Under Review at *Demography*.
2. **Li, Yang.**, Linda J. Waite, Edward O. Laumann. Gender Differentials in the Link Between Obesity and Sexuality in Older Adults. Under Review at *Social Forces*.
3. **Li, Yang.**, Qiwei Lin, Emma Zang, Claudia Haase, Nina Alexander. Cortisol and Self-Reported Stress: Examining the Impact of Commuting Arrangement. Under Review at *SSM-Population Health*.

## WORKS IN PROGRESS

1. **Li, Yang.**, Jason Wong, Emma Zang. Migration Trajectories and Alzheimer's Disease and Related Dementias: The Role of State-Level Mobility. In Preparation.
2. **Li, Yang.**, Jason Wong, Linda J. Waite. Entwined Lives: The Dyadic Relationship between Childhood Adversity and Social Connectedness among Older Couples. [Full draft available upon request.](#)
3. Li, Meiyi., **Yang Li**, Michal Engelman. Cognitive Impairment and Social Participation: A Dyadic Analysis of Older Couples. [Full draft available upon request.](#)
4. **Li, Yang.**, Ziyuan Yang. Parenthood, Social Connectedness in Later Life, and Their Implications for Perceived Social Support. [Full draft available upon request.](#)

5. **Li, Yiang.**, Zejian Lyu, Linda J. Waite. How Do Social Measures of Health Predict Mortality of Men and Women: Evidence from the Machine Learning Approach. In Preparation
6. Waite, Linda J., **Yiang Li**. Bringing Social World into Our Understanding of Health. [Full draft available upon request.](#)
7. **Li, Yiang.**, Emma Zang. "It Depends on Where You Become Successful: Contextual and Individual Social Mobility and Young Adults' Health in the United States." In Preparation.

#### SELECTED CONFERENCE PRESENTATIONS

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8. **Li, Yiang.**, Jason Wong, Linda J. Waite. Entwined Lives: The Dyadic Relationship between Childhood Adversity and Social Connectedness among Older Couples
  - *American Sociological Association (ASA) Annual Meeting 2024, Regular Session, Montreal, Quebec, Forthcoming*
  - *Gerontological Society of America (GSA) Annual Meeting 2024, Oral Session, Seattle, WA, Forthcoming*
7. **Li, Yiang.** Rivalry or Solidarity: Examining the Influence of Co-residing Siblings in Childhood on Cognitive Function and Cognitive Decline in Later Life.
  - *American Sociological Association (ASA) Annual Meeting 2024, Regular Session, Montreal, Quebec, Forthcoming*
  - *Population Association of America (PAA) Annual Meeting 2024, Poster Session, Columbus, OH, April 2024*
  - *University of Minnesota Life Course Center and IPUMS, Minneapolis, MN, Forthcoming*
  - *University College London, Institute for Global Health Seminar, Virtual, May 2024*
  - *Population Association of America (PAA) 2024 Applied Demography Conference, Oral Session, Virtual, Feb 2024*
  - *University of Chicago, Division of the Social Sciences, Oral Session, Chicago, IL, May 2023*
6. **Li, Yiang.**, Jason Wong, Emma Zang. Migration Trajectories and Alzheimer's Disease and Related Dementias: The Role of State-Level Mobility
  - *University of Minnesota Life Course Center and IPUMS, Minneapolis, MN, Forthcoming*
  - *Gerontological Society of America (GSA) Annual Meeting 2024, Oral Session, Seattle, WA, Forthcoming*
5. Waite, Linda J., **Yiang Li**. Bringing Social World into Our Understanding of Health.
  - *Population Association of America (PAA) Annual Meeting 2024, Oral Session, Columbus, OH, April 2024*
4. Li, Meiyi., **Yiang Li**, Michal Engelman. Cognitive Impairment and Social Participation: A Dyadic Analysis of Older Couples.
  - *Population Association of America (PAA) Annual Meeting 2024, Poster Session, Columbus, OH, April 2024*
  - *Gerontological Society of America (GSA) Annual Meeting 2023, Oral Session, Tampa, FL, Nov 2023*
3. **Li, Yiang.**, Qiwei Lin, Emma Zang, Claudia Haase, Nina Alexander. Cortisol and Self-Reported Stress: Examining the Impact of Commuting Arrangement.
  - *Population Association of America (PAA) Annual Meeting 2024, Poster Session, Columbus, OH, Forthcoming*
2. **Li, Yiang.**, Zejian Lyu, Linda J. Waite. How Do Social Measures of Health Predict Mortality of Men and Women: Evidence from the Machine Learning Approach.
  - *Gerontological Society of America (GSA) Annual Meeting 2023, Oral Session, Tampa, FL, Nov 2023*
1. **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, Roundtable Session, Philadelphia, PA, Aug 2023*
  - *University of Chicago, Donald J. Bogue Demography Workshop, Chicago, IL, Mar 2023*

#### AWARDS

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- *Professional Development Funds (\$2000)*, The Centers on the Demography and Economics of Aging Coordinating Center at the University of Michigan
- *Junior Scholar Travel Award 2023 (\$250)*, American Sociological Association (ASA) Section on Aging and Life Course
- *Quadrangle Scholar Research Scholarship 2023-2024 (\$42500)*, University of Chicago
- *Maroon Scholar Research Scholarship 2022-2023 (\$32500)*, University of Chicago
- *Undergraduate Student Award - Academic Contribution, 2022*, Social Research Institute, University College London
- *Research Solution Award & Finalist (\$600)*, Inter-University Big Data Challenge 2022

#### RESEARCH EXPERIENCES

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##### NORC at the University of Chicago

September 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, Cubic/Penalized Restricted Splines 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 **Prof. Emma Zang** on Panel Study of Income Dynamics (PSID), Health and Retirement Study (HRS), and Midlife in the United States (MIDUS) using R and Stata
  1. Applied statistical models (Diagonal Reference Model and Varying-intercept Multilevel Regression) and computational data linkages 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 Prof. Hedvig Horvath and Prof. Bilal Nasim for multilevel causal inference, quantitative text analysis, spatial mapping, and visualization using R

INDUSTRY EXPERIENCE

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**Oxwash**

Intern Data Engineer

London, United Kingdom

May 2022 — September 2022

**Ipsos Group**

Intern Quantitative Researcher

Beijing, China

April 2021 — July 2021

DATA ANALYSIS SKILLS

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**Programming Languages**

R, Stata, Python, SQL, HTML, bash

**Python Packages**

Scikit-learn, TensorFlow, RecordLinkage, BeautifulSoup, SQLite3, Scipy  
Numba, Jellyfish, Seaborn, re, Numpy, Pandas

**Software & Tools**

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

MEMBERSHIP

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- American Sociological Association (2022 - )
- Population Association of America (2022 - )
- Gerontological Society of America (2022 - )