

# 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 - June 2024 (Expected)

Cumulative GPA: 4.0/4.0

University College London (UCL)

BSc Social Sciences with Quantitative Methods

September 2019 - June 2022

First Class Honours, GPA: 3.94/4.0

## RESEARCH INTERESTS

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

## PEER-REVIEWED JOURNAL PUBLICATIONS

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

6. Li, **Yiang**., Xingzuo Zhou, and Zejian Lyu. 2023. Regional Contagion in Health Behaviors: Evidence from COVID-19 Vaccination Modeling in England with Social Network Theorem. Forthcoming at *Journal of Computational Social Science*.
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. Li, **Yiang**<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
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. Li, **Yiang**<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

3. Li, **Yiang**. Rivalry or Solidarity: Examining the Influence of Co-residing Siblings in Childhood on Cognitive Decline in Later Life. Under Review at *Demography*.  
– 8th Annual Interdisciplinary Graduate Conference, University of Chicago, Chicago, IL, May 2023
2. Li, **Yiang**., Linda J. Waite, Edward O. Laumann. Gender Differentials in the Link Between Obesity and Sexuality in Older Adults. Under Review at *Demography*.
1. Li, **Yiang**., Qiwei Lin, Emma Zang, Claudia Haase, Nina Alexander. Cortisol and Self-Reported Stress: Examining the Impact of Commuting Arrangement. Under Review at *Social Science and Medicine*.

## WORKS IN PROGRESS

1. Li, Meiyi., **Yiang Li**, Michal Engelman. Cognitive Impairment and Social Participation: A Dyadic Analysis of Older Couples.  
– Annual Meeting of Gerontological Society of America (GSA 2023)
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. In Preparation  
– Annual Meeting of Gerontological Society of America (GSA 2023)
3. Waite, Linda J., **Yiang Li**. Bringing Social World into Our Understanding of Health. In Preparation.

4. Zang, Emma., **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.
5. **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

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3. Li, Meiyi., **Yiang Li**, Michal Engelman. Cognitive Impairment and Social Participation: A Dyadic Analysis of Older Couples. - *Gerontological Society of America (GSA) Annual Meeting 2023, Tampa, FL, Nov 2023*
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, 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, Philadelphia, PA, Aug 2023*  
- *Donald J. Bogue Demography Workshop, University of Chicago, Chicago, IL, Mar 2023*

## AWARDS

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- *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
- *Best Undergraduate Student - Academic Contribution*, Social Research Institute, University College London

## RESEARCH EXPERIENCES

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### 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, Cubic and 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 Python 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 — Sep 2022

### Ipsos Group

Intern Quantitative Researcher

Beijing, China

Apr 2021 — Jul 2021

## DATA ANALYSIS SKILLS

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### 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