YIANG LI

Personal Website: https://yiang-li.github.io

1155 E 60th St, Chicago, IL 60637

yiangli404@outlook.com – 312-278-5306 – github.com/yiang-li

EDUCATION

University of Chicago *September 2022 - Present*
MA Computational Social Science Current Cumulative GPA: 4.0/4.0
Maroon Scholar ($32.5k scholarship)

University College London (UCL) *September 2019 - June 2022*
BSc Social Sciences with Data Science First Class Honours, GPA: 4.0/4.0
Award Winner: *Best Undergraduate Student - Academic Contribution*

RESEARCH INTERESTS

Medical Sociology, Aging and Life Course, Social Demography, Computational Methods

SELECTED PRESENTATIONS AND CONFERENCES

4. Li, M., **Li, Y.** (2023). Cognitive Impairment and Social Participation: A Dyadic Analysis of Older Couples
   - *Gerontological Society of America (GSA) Annual Meeting 2023, Tampa, FL, Nov 2023*

3. **Li, Y.**, Lyu, Z. (2023). 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*

2. **Li, Y.**, Waite, L., Laumann, E., (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, Y.** (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*

PEER-REVIEWED JOURNAL PUBLICATIONS

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

5. Zhou, X[†]., **Li, Y**[†]., Correa, A., Salustri, F., Skordis, J. (2023) The need for voices from the grassroots in China's public health system. *The Lancet Regional Health - Western Pacific, 31.* https://doi.org/10.1016/j.lanwpc.2023.100743

4. Zhou, X[†]., **Li, Y**[†]., Zhu, T., & Xu, Y. (2023). Individuals with Long-term Illness, Disability, and Infirmity Smoke More: An Instrumental-Variable Analysis in the UK. *Frontiers in Public Health.* https://doi.org/10.3389/fpubh.2022.1015607
   – Winner *Research Solution Award ($600) & Finalist in 2022 Inter-University Big Data Challenge*

3. Chen, L., **Li, Y.,** & Yang, Q., (2022). The Influence of Grandparenting on the Depression and Life Satisfaction among Mid-Aged and Older Chinese Adults. *Int. J. Environ. Res. Public Health, 19*(17). https://doi.org/10.3390/ijerph191710790

2. **Li, Y.**, Zhou, X., Zhu, T., & Guo, X. (2022). Racial Hate Crime and COVID-19: A Multinomial-choice Study in the US. *UCL Journal of Economics, 1*(1), p.24-31. https://doi.org/10.14324/111.444.2755-0877.1403
   – Winner"*Most Popular Paper" & "Best 10 Submissions of Research Paper", 2022 UCL Department of Economics Research Conference*

1. Zhou, X[†]., & **Li, Y**[†]. (2022). Forecasting the COVID-19 vaccine uptake rate: an infodemiological study in the US. *Human Vaccines and Immunotherapeutics, 18*(1). https://doi.org/10.1080/21645515.2021.2017216
   – Winner *Finalist in 2021 STEM Fellowship Undergraduate Big Data Challenge Conference*

WORK IN PROGRESS

4. Zang, E., **Li, Y.**, Hossain, M., (2023) It Depends on Where You Become Successful: Contextual and Individual Social Mobility and Young Adults' Health in the United States. In Preparation.

3. Waite, L., Wroblewski, K., **Li, Y.**(2023). Bringing the Social World into Our Understanding of Health. In Preparation.

2. **Li, Y**†., Zhou, X†. &, Lyu, Z. (2023). Regional Homophily in Health Behaviors: Evidence from COVID-19 Vaccination Modeling in England with Social Network Theorem. In Preparation.

1. **Li, Y.**, Zhou, X. (2023). The impact of retirement income changes on the Chinese older adults' well-being: Evidence from CHARLS. In Preparation.

DATA ANALYSIS SKILLS

Programming Languages	R, Python, SQL, Stata, HTML
Python Packages	Numpy, Pandas, Scikit-learn, Matplotlib, BeautifulSoup, SQLite3, re, Seaborn, Jellyfish, RecordLinkage, Numba, Boto3
Software & Tools	LaTeX, MySQL, AWS, Spark, S3, DynamoDB, Redshift, MixPanel, Final Cut Pro

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. Used Bayesian profile regression, machine learning, and neural network approach to improve the prediction of 5-year and 10-year mortality based on a comprehensive set of social, sexual, and medical measures

2. Used Latent Growth Curve Analysis of the cognitive decline among older adults by childhood sibship measures and found that having siblings and, particularly if more siblings, leads to poorer cognition in later lives

3. Used Agent-Partner Independence Model and logistic regression to reveal the negative influence of obesity on older adults' partnered sexual activities but not solitary sexual ideation. Also found that the effect on partnered sexuality is particularly stronger among females, without much racial differences.

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. Used Diagonal Reference Model to study the life-course influence of early family life and found that the interaction between individual income/educational mobility (upward and downward) with upward contextual mobility is associated with worse life satisfaction

2. Used varying-intercept multilevel regression to study health consequences of remote working and found that higher commuting time leads to worse biological but not self-rated measures of stress

UCL Social Research Institute   March 2021 - May 2022

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

AWARDS

· Junior Scholar Award ($250), American Sociological Association (ASA) Section on Aging and Life Course (SALC)
· Maroon Scholar 2022-2023 ($ 32500), University of Chicago
· Research Solution Award & Finalist ($600), Inter-University Big Data Challenge 2022

INDUSTRY EXPERIENCE

Oxwash   London, United Kingdom
Intern Data Engineer   *May 2022 — Sep 2022*

Ipsos Group   Beijing, China
Intern Quantitative Researcher   *Apr 2021 — Jul 2021*