

YIANG LI

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EDUCATION

University of Chicago

MA Computational Social Science

Maroon Scholar (\$32.5k scholarship)

September 2022 - Present

Current Cumulative GPA: 4.0/4.0

University College London (UCL)

BSc Social Sciences with Data Science

Award Winner: *Best Graduate Student - Academic Contribution*

September 2019 - June 2022

First Class Honours, GPA: 4.0/4.0

DATA ANALYSIS SKILLS

Programming Languages

R, Python, SQL, Stata

Python Packages

Numpy, Pandas, Scikit-learn, Matplotlib, BeautifulSoup

Software & Tools

L^AT_EX, MixPanel, Segment, Excel, Final Cut Pro, Canva

PEER-REVIEWED JOURNAL PUBLICATIONS

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

4. Zhou, X[†], **Li, Y[†]**, Zhu, T., & Xu, Y. (2023). Individuals with Long-term Illness, Disability and Infirmary Smoke More: An Instrumental-Variable Analysis in the UK. *Frontiers in Public Health* (JCR Q1), <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) (JCR Q1). <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) (JCR Q2). <https://doi.org/10.1080/21645515.2021.2017216>
– Winner *Finalist in 2021 STEM Fellowship Undergraduate Big Data Challenge*

WORK IN PROGRESS

3. **Li, Y.**, Zhou, X. (2022). The local political control behind education policies: Evidence from teacher pay decentralization reform in England Local Education Authorities. *Social Policy & Administration*, under review
2. Hossain, M., Zang, E., **Li, Y.**, (2022) The influence of contextual and individual social mobility on health
1. Waite, L., Laumann, E., **Li, Y.**, (2022) The gender differences in the influence of BMI on older people's health

RESEARCH EXPERIENCE

National Opinion Research Center at the University of Chicago

Chicago, United States

Graduate Research Assistant II

Sept 2022 - Present

- Used Python, R, and Stata to provide rigorous and reproducible data cleaning, management, and statistical analysis on longitudinal NSHAP data supervised by Prof. Linda Waite
- Conducted non-linear and data-driven modeling on older people's obesity with other health outcomes

Yale University

Remote

Research Assistant

May 2022 - Present

- Used Python and Stata to clean and analyze a longitudinal data-set with millions of observations in the US to understand inter-generational social mobility and health in collaboration with Dr. Emma X. Zang
- Prepared background literature review, analysis methodology narrative, and graphical results for publication in peer-reviewed journals and conference presentations

UCL Social Research Institute

London, United Kingdom

Research Assistant

March 2021 - May 2022

- Used R to perform multilevel regression, data analysis, quantitative text analysis, spatial mapping, and visualization supervised by Dr. Hedvig Horvath and Dr. Bilal Nasim
- Designed quasi-experiments to examine the causal impacts of policy changes on student attainment
- Collected and re-coded five years' teacher pay reform policies from 152 local authorities in England

Johns Hopkins University

Remote

Researcher, Summer Research Program

Feb 2020 — Apr 2020

- Used R to compile and analyze the data of 250 respondents on the impacts of COVID-19 stigmatization
- Based on the quantitative regression results, composed an essay analyzing stigmatization at all Chinese social levels under the supervision of Prof Johannes Urpelainen (article awarded with distinction)

INDUSTRY EXPERIENCE

Oxwash

London, United Kingdom

Intern Data Engineer

May 2022 — Sep 2022

- Built automating data pipelines using Python, Airflow, and Segment to centralize the storage of over 30,000 data observations in JSON and democratize the data visualization on MixPanel
- Used R and Python to collect, process, visualize and analyze both over 60,000 customer-facing data on the collection, delivery, and payment for their laundry; and internally-used operation data for improving sustainability, growth marketing, and operational decision-making.
- Initiated multiple raw data collection projects to understand customer insights
- Independently created quantitative reports and presentations that translate visualizations and insights into critical takeaways for company strategy and execution

Ipsos Group

Beijing, China

Intern Quantitative Researcher

Apr 2021 — Jul 2021

- Designed large-scale surveys of over 10,000 respondents and conducted quality assurance (QA)
- Performed data analyses and data visualization using R, SQL, and Excel to draft quantitative reports
- Communicated data-driven recommendations for business decision makings and product refinements

LEADERSHIP EXPERIENCE

Principal Officer and Treasurer, Connect.ed Society, UCL

Sept 2019 — Jun 2022

Undergraduate Mentor, Social Research Institute, UCL

Sept 2020 — Apr 2022