YIANG LI

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EDUCATION

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

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

DATA ANALYSIS SKILLS

Programming Languages	R, Python, SQL, Stata
Python Packages	Numpy, Pandas, Scikit-learn, Matplotlib
Software & Tools	MixPanel, Segment, LaTeX, Excel, Final Cut Pro, Canva

PEER-REVIEWED JOURNAL PUBLICATIONS

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. *The International Journal of Ageing and Human Development*, Accepted for Publication.

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*

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

WORKING PAPERS

2. **Li, Y.** (2022). The local political control behind education policies: Evidence from teacher pay decentralization reform in England Local Education Authorities. *European Journal of Political Economy*, under review

1. Zhou, X., **Li, Y.**, Zhu, T., & Xu, Y. (2022). Individuals with Long-term Illness, Disability and Infirmity Smoke More: An Instrumental-Variable Analysis in the UK. *Frontiers in Public Health*, under review
   – Winner *Research Solution Award ($600) & Finalist in 2022 Inter-University Big Data Challenge*

RESEARCH EXPERIENCE

National Opinion Research Center at the University of Chicago Chicago, United States
Graduate Research Assistant *Sept 2022 - Present*

· Conducting research on older people's obesity with other health outcomes under Prof Linda Waite
· Provided rigorous and reproducible statistical cleaning, management, and analysis using Stata and R on longitudinal NSHAP data to support various research initiatives
· Conducted non-linear and data-driven modeling

Yale University   Remote
Research Assistant   *May 2022 - Sept 2022*

· Analysed quantitative dataset of 10,000 US households to understand inter-generational social mobility and health using R and Stata in collaboration with Dr. Emma X. Zang
· Prepared background literature review, analysis methodology narrative, and graphical results for publication in peer-reviewed journals
· Prepared conference presentations and manuscript drafting in LaTeX

UCL Social Research Institute   London, United Kingdom
Research Assistant   *March 2021 - May 2022*

· Collected and re-coded 5 years' teacher pay reform policies from 152 local authorities in England and performed multilevel regression, data analysis, quantitative text analysis, spatial mapping, and visualization using R and Excel in collaboration with Dr. Hedvig Horvath and Dr. Bilal Nasim
· Examined the causal impacts of policy changes on teacher retention and student attainment

2021 National Undergraduate Big Data Challenge   Remote
Researcher & Co-First Author   *May 2021 — Oct 2021*

· Predicted the COVID-19 vaccine uptake rate in the US using R and Python through statistical and machine learning algorithms on web search queries and concluded the stacked regression of ARIMA (1,0,8) for clinical data and boost with Support Vector Machine gives the most accurate prediction.
· Manuscript published in peer-reviewed SCI journal

Johns Hopkins University   Remote
Researcher, Summer Research Program   *Feb 2020 — Apr 2020*

· Compiled and analyzed the data of 250 respondents using R 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*