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

RESEARCH EXPERIENCE

Yale University　　　　　　　　　　　　　　New Haven, United States
Research Assistant　　　　　　　　　　　　　　*May 2022 - Present*

· Studied inter-generational social mobility and health using R and Stata under Dr. Emma X. Zang

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 the 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

Nanjing University　　　　　　　　　　　　　　Nanjing, China
Researcher & Co-Author　　　　　　　　　　　　*May 2021 — Oct 2021*

· Analyzed the longitudinal survey data from 8000 respondents using quantitative multilevel regression
· Reviewed academic articles on inter-generational education for older people in China
· Drafted and published findings as co-author (manuscript under review at Ageing and Society)

Nanjing University of Posts and Telecommunications　　　　　Nanjing, China
Research Assistant　　　　　　　　　　　　　　*May 2021 — Oct 2021*

· Collaborated with senior scholars to draft and distribute questionnaires and prepare interview guidelines to study healthcare product consumption in China
· Carried out Quantitative Text Analysis on healthcare regulations in R

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)

PEER-REVIEWED JOURNAL PUBLICATIONS

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.* Link to the paper
   – *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

3. Guo, W., Chen, L., & **Li, Y.** (2022). The Influence of Grand-parenting on the Well-Being of Older Chinese Adults. *The International Journal of Ageing and Human Development*, under review

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. *Applied Health Economics and Health Policy*, under review
   – *Winner - Finalist in 2022 Inter-University Big Data Challenge*

INDUSTRY EXPERIENCE

Oxwash London, United Kingdom
Intern Data Engineer *May 2022 — Sep 2022*
- Used Python to build automated data pipelines alongside the operational teams to collect, store, and centralize operational data that are critical to strategic projects
- Used Python and R to perform data analysis and visualization by blending operational data sources to visualize insights and create written reports supporting 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

Xinhua News Agency Nanjing, China
Intern Policy Journalist *Jun 2020 — Sep 2020*
- Produced investigative video and written reports on the teenagers' mental well-being during COVID-19
- Independently produced national policy analysis reports cited in 45 media outlets and viewed more than 20 million times through qualitative interviews and won Xinhua News of the Month reward

LEADERSHIP EXPERIENCE

Principal Officer and Treasurer, Connect.ed Society, UCL *Sept 2019 — Jun 2022*
Undergraduate Mentor, Social Research Institute, UCL *Sept 2020 — Apr 2022*