YIANG LI

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Personal Website: yiang-li.github.io

EDUCATION

University of Chicago   *September 2022 - Present*
MA Computational Social Science   Cumulative GPA:
Maroon Scholar ($40k scholarship)

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

DATA ANALYTICS SKILLS

Programming Languages	Python, R, SQL
Python Packages	Pandas, Matplotlib, Numpy, Scipy, F2py, Psycopg2,
	BeautifulSoup, Selenium, Spacepy, Davitpy, Jupyter
Software & Tools	LaTeX, Excel, Final Cut Pro

RESEARCH EXPERIENCE

Yale University   New Haven, United States
Research Assistant   *March 2021 - May 2022*

· Studied the relationship between inter-generational social mobility and health using R and Excel under Dr Emma X. Zang

Social Research Institute, University College London   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
· Examined the causal impacts of policy changes on the teacher retention (composition, wage) 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 both 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 for web data gives the most accurate prediction.
· Manuscript published on Human Vaccines & Immunotherapeutics, abstract published on STEM Fellowship Journal

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

Nanjing University Nanjing, China

Researcher & Co-First Author *May 2021 — Oct 2021*

· Conducted in-depth and wide review of academic articles on inter-generational education for older people in China
· Published findings alongside policy recommendations as co-author (manuscript under review at Ageing and Society)

University College London Nanjing, China

Research Mentorship Researcher *May 2021 — Oct 2021*

· Analysed the social mobility of first-generation college students by systematically reviewing existing sources in database
· Wrote literature review articles on social capital and tertiary education supplementing the paper for publication

Johns Hopkins University Remote

Researcher, Summer Research Programme *Feb 2020 — Apr 2020*

· Compiled data of over 200 respondents using R to use regression to the impacts of COVID-19 stigmatisation
· Composed an essay with a detailed analysis of stigmatization at all social levels of the Chinese population by using the socio-ecological model under the supervision of Prof Johannes Urpelainen (essay awarded with distinction)

PUBLICATIONS

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`

2. Guo, W., Chen, L., & Li, Y. (2022). The Influence of Grandparenting on the Well-Being of Older Chinese Adults. *Working Paper*

INDUSTRY EXPERIENCE

Ipsos Group Beijing, China

Intern Quantitative Researcher *Apr 2021 — Jul 2021*

· Designed large-scale survey of over 10,000 respondents and conducted quality assurance (QA)
· Performed data analyses and data visualisation using 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 reports on the teenagers' mental wellbeing during COVID-19
· Independently produced national policy analysis reports cited in 45 media outlets and viewed more than 20 million times through qualitative interviews
· Won Xinhua News of the Month reward for filming, video editing, and writing on flooding report series

LEADERSHIP EXPERIENCE

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

Last Updated on May 28, 2022