Chuyao (Julian) WANG

C.Wang85@lse.ac.uk   www.lse.ac.uk/Methodology/People/Research-Students/Chuyao-Wang
Computational Social Science; Human-Computer Interaction; Artificial Intelligence and Society; Public Opinion

Education

London School of Economics and Political Science (LSE)
    Ph.D. in Social Research Methods (Computational and Experimental Social Science)   09/2022 – 07/2026
        Supervisors: Prof. Patrick Sturgis F.B.A. (Survey Expert), Dr. Daniel De Kadt (Social Data Scientist)
        Award: LSE Ph.D. Studentship £ 170,000
        Training: Python Programming, Data Management with R, Artificial Intelligence

Hong Kong University of Science and Technology (HKUST)
    M.Phil. in Social Science (Social Statistics), GPA 3.74 / 4.3   09/2020 – 06/2022
        Supervisors: Dr. Han Zhang (Computational Social Scientist)
        Award: Postgraduate Studentship HK$430,000
        Training: Computational Social Science, Research Design, Social Network Analysis, Econometrics
    M.Sc. in Global China Studies (Political Sociology), GPA 3.96 / 4.3 (Top 3)   09/2019 – 06/2020
        Training: Statistical Inference, Comparative Politics, Social Stratification

Shandong University (SDU)
    B.A. in History (Quantitative History), GPA 88.2 / 100   09/2016 – 06/2020
        Exchanges: University of California, Los Angeles (GPA 4.00 / 4), University of Hong Kong (GPA 3.70 / 4.3)

Under Review

Diverse Governance Strategies to Conspiracy Theories and Their Consequences in China   Under Review
- Submitted to **Nature's** *Humanities and Social Sciences Communications* as the corresponding author
- Analyzed 46,387 posts with computational network analysis, topic modeling, and three case studies
- Revealed diverse backlash effects when the conspiracy theories were employed to mobilize the public
- Highlighted the limitations of authoritarianism, revealing the interplay between state control and public agency

Enhancing Public Deliberation by Conversations with Generative AI   Conditionally Accepted
- Conditionally accepted to a political communication journal in the Social Science Citation Index (Q2)
- Led as the 1st Author; explored how conversations with ChatGPT enhance public deliberation on the carbon tax
- Combined visual-textual analysis with machine learning and a personalized conversational survey experiment

Working Papers

The Public Effects of Disclosing AI Authorship: Evidence from a Survey Experiment   In Progress
- Led as the 1st Author; examined how the impact of disclosing AI authorship on key public policy debates
- Designed and conducted a 2×2 digital survey experiment among a nationally representative sample of 2,000

Contextulizing a Large Language Model (LLM) to Improve Government Responsiveness   In Progress
- Collaborated with a local government in China which sought to tailor an LLM to categorize citizen complaint
- Contextualize a fine-tuned LLM in government institutions, target journal: *Nature Machine Intelligence*

400,000 News Images Shows that Ideological Hostility Intensifies with Public Crisis   Under Revision
- Led as the 1st Author; studied the ideological hostility of mass media under COVID-19 and beyond
- Framed questions, analyzed 400,000 images with machine learning, and conducted regression analyses
- Found that ideological hostility in visual depiction did exist but could be mitigated by the COVID-19 severity

Conference Presentations

Presenter, 120th American Political Science Association Annual Meeting, Philadelphia   09/2024
- Selected to present my paper "How Generative AI Debunks Misinformation and Empower Governance"
- Selected to include my collaborative paper "Diverse Governance Strategies to Conspiracy Theories in China"

Presenter, 19th Chinese Internet Research Conference, Hong Kong   09/2022
- Presented my collaborative paper "Cross-platform Practices of Netreds"

Participant, 4th Summer Institute in Computational Social Science (SICSS), Hong Kong   06/2021
- Selected to present my paper "0.4 Million Images Shows that Ideological Hostility is Eased in Crisis"
- Presented my project "How Visual Misinformation Fuels Polarization on Vaccination", and secured funding

Presenter, 7th International Symposium on Quantitative History, Society of Quantitative History   07/2019
- Selected to present my paper "Fiscal Mobilization in Modern China: A Quantitative Political Sociology Approach"

Selected Grants and Awards

Total Amount Received: US$ 1,050,000, or £ 858,000, or HK$ 8,210,000
Research Grants

LSE Research and Impact Support Fund (as the only Principal Investigator)	Under Review
Research and Dissertation Grant HK$ 90,000, Chinese University of Hong Kong (CUHK, Declined)	2022-26
Computational Social Science Ph.D. Fellowship HK$ 210,000, CUHK (Declined)	2022-26
SICSS Research Grant, Social Science Research Council, USA (as the only Principal Investigator)	09/2021
Dean's Award (3 Places, Top 5%), HKUST	11/2020

Academic Awards

LSE Ph.D. Studentship £ 170,000, LSE	2022-26
Hong Kong Ph.D. Fellowship HK$ 1,010,000, Hong Kong Research Grant Council (Declined)	2022-25
Vice-Chancellor's Ph.D. Scholarship HK$ 80,000, CUHK (Declined)	2022-26
Ph.D. Assistantship US$ 96,500, University of Illinois Urbana-Champaign (Declined)	2022-2027
Research Scholarship S$ 117,600, Nanyang Technological University (Declined)	2022-26
Postgraduate Studentship HK$ 430,000, HKUST	2020-22

Collaborations and Services

Principal Investigator: SICSS Research Grant; LSE Research and Impact Support Fund
Research Collaboration: LSE; Harvard University; HKUST; Free University of Berlin
Teaching: LSE Graduate MY464 - Introduction to Quantitative Analysis for Media and Communications
       HKUST Undergraduate SOSC1470 - Political and Economic Development of Modern Japan (Twice)
       HKUST Undergraduate SOSC1190 - China and the World (Twice)
Reviewing: Nature's *Humanities and Social Sciences Communications*
       74th Annual International Communication Association Conference (ICA 2024), with Divisions:
       Communication & Technology, Human-Machine Communication, Visual Communication Studies
       10th International Conference for Computational Social Science (IC2S2 2024)

Methods and Skills

Research Methods: Machine Learning, Survey Experiment, Regression, Econometrics, Network Modeling
Reviewing: R, Python, Cloud Computing (e.g., Google Colab), Gephi, STATA, LaTeX
Language: English (Advanced, IELTS 8.0, C1), Chinese (Native)