

YUANMO HE

Department of Methodology

London School of Economics and Political Science

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APPOINTMENTS

Fellow in Advanced Quantitative Methods, Department of Methodology 09/2024 - present
London School of Economics and Political Science (LSE)
· Affiliate, LSE Data Science Institute

EDUCATION

PhD Social Research Methods 09/2020 - 09/2024
London School of Economics and Political Science
· Supervisors: Milena Tsvetkova and Kenneth Benoit

Additional training/research visits:

· Generative AI with Large Language Models, DeepLearning.AI, online 04/2024
· Complex Systems Summer School, Santa Fe Institute, US 06-07/2023
· Workshop on Inequality Across Scales, Space, Time and Domains, The Abdus Salam International Centre for Theoretical Physics, Italy 04/2023

MSc Applied Social Data Science (Distinction) 09/2019 - 09/2020
London School of Economics and Political Science

BSc Social Sciences (First Class Honours) 09/2016 - 06/2019
University College London (UCL)

PEER-REVIEWED PUBLICATIONS

Yuanmo He and Milena Tsvetkova. 2023. A method for estimating individual socioeconomic status of Twitter users.. *Sociological Methods & Research*. doi: 10.1177/00491241231168665.

WORK IN PROGRESS

Yuanmo He and Milena Tsvetkova. 2024. Millions of mobile-tracked visits reveal socioeconomic inequality of daily consumption. (Awarded an **honourable mention** at the 2023 International Conference on Computational Social Science).

Yuanmo He. Socioeconomic inequality in social capital and communication behaviours on Twitter.

Yuanmo He and Oriol J. Bosch. Socioeconomic divergence in cultural and political online consumption: evidence from survey combined with digital trace data.

Ongoing projects initiated at the Complex Systems Summer School:

Cheyenne Jarman, Joris Bücker, Golnar Gharooni Fard, Virginia Domínguez-García, **Yuanmo He**, Faith Masibili, and Annie Stephenson. Music complexity. (Equal contribution leading by the first author.)

Marilena Hohmann, Sam Carter, Pablo Geraldo, **Yuanmo He**, Cheyenne Jarman, Annie Stephenson. When is conflict productive. (Equal contribution leading by the first author.)

CONFERENCE PRESENTATIONS

Millions of Mobile-tracked Visits Reveal Socioeconomic Inequality of Daily Consumption.

- The Annual Meeting of the American Sociological Association (Section on Computational Sociology), Philadelphia, US 08/2023
- International Conference on Computational Social Science, Copenhagen, DK 07/2023
- Annual Conference of the International Network of Analytical Sociologists, Princeton, US 06/2023
- ODISSEI Conference for Social Science, Utrecht, NL 11/2022
- European Conference on Social Networks, London, UK 09/2022

A Method for Estimating Individual Socioeconomic Status of Twitter Users.

- Correspondence Analysis and Related Methods, Bonn, DE 09/2023
- General Online Research, online 09/2021
- The Annual Meeting of the American Sociological Association (Section on Inequality, Poverty, and Mobility: New Approaches to Understanding and Addressing Inequality), online 08/2021
- International Conference on Computational Social Science, online 07/2021

TEACHING

Seminar Leader, Department of Methodology, LSE

- MY461 Social Network Analysis Second Term 2025 (planned)
- MY470 Computer Programming First Term 2024

Graduate Teaching Assistant, Department of Methodology, LSE

- MY474 Applied Machine Learning Second Term 2022 and 2023
- MY470 Computer Programming First Term 2021

Seminar Leader, LSE Summer School

- ME314 Introduction to Data Science and Machine Learning 07/2022

Teaching Assistant, Data Science Summer School, The Hertie School

- Introduction to Python Programming (online) 07/2021

ACADEMIC SERVICE

Developing A Method for Estimating the Socioeconomic Status of Twitter Users, Sage 2023
Research Methods Video: Quantitative and Mixed Methods.

PhD Representative of the Department of Methodology, LSE 2022-2023

Co-organiser, Quantitative Methods Reading Group, LSE 2021-2022

Presenter and Discussant, Doctoral Seminar, International Inequalities Institute, LSE 2021-2023

AWARDS AND FUNDING

LSE PhD Studentship , £140,000, LSE	2020-2024
Honourable mentions , International Conference on Computational Social Science	2023
Partial Registration Fee Waiver , \$2000, Complex Systems Summer School, Santa Fe Institute	2023
Departmental PhD Support Funding , £2000, LSE	2023
Data Collection Fund , £530, LSE	2023
Postgraduate Travel Fund , £2000, LSE	2022-2023
UCL Institute of Education Faculty Medal , UCL	2019

SKILLS AND INTERESTS

Programming language & statistical software: Python, R, SQL, Spark, Git, Stata, SPSS
Python packages: NumPy, SciPy, pandas, scikit-learn, Matplotlib, NetworkX, PyTorch (non-exhaustive)
R packages: tidyverse, tm, quanteda, glmnet, tree, randomForest, e1071, igraph, statnet (non-exhaustive)
Advanced Data Analysis: machine learning, natural language processing, large language models, social network analysis, multivariate analysis, causal analysis, parallel computing, cloud computing
Languages: Chinese (native), English (bilingual)
Stand-up Comedy: Performed at various settings (e.g., parties, academic workshops, comedy clubs). Getting into the comedy club scene.

REFERENCES

Milena Tsvetkova

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Kenneth Benoit

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