YUANMO HE

Department of Methodology

London School of Economics and Political Science

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APPOINTMENTS

Fellow in Advanced Quantitative Methods   09/2024 - present

London School of Economics and Political Science (LSE)

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   04/2023
   Salam International Centre for Theoretical Physics, Italy

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 Assitant, 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 Research Methods Video: Quantitative and Mixed Methods.	2023
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
Associate Professor of Computational Social Science
Department of Methodology
London School of Economics and Political Science
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Dean of the School of Social Sciences
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