

# YUANMO HE

Department of Methodology

London School of Economics and Political Science

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## EDUCATION

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**PhD Social Research Methods** 09/2020 - 09/2024

London School of Economics and Political Science (LSE)

- Supervisors: Milena Tsvetkova and Kenneth Benoit

- Additional training/research visit: Complex Systems Summer School, Santa Fe Institute, 2023;

Workshop on Inequality Across Scales, Space, Time and Domains, The Abdus Salam International Centre for Theoretical Physics, 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

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**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

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**Yuanmo He** and Milena Tsvetkova. 2024. Omnivorous, Inconspicuous, and Niche: High Socioeconomic Status is Associated with Diverse Consumption. (Under review at *Social Forces*).

**Yuanmo He** and Milena Tsvetkova. Socioeconomic inequality in ego-network structure and social interactions on Twitter. (I am actively working on this. Ready to submit after September 2024).

**Yuanmo He** and Oriol J. Bosch. Socioeconomic divergence in cultural and political online consumption: evidence from survey combined with digital trace data. (I contributed to the survey design and data collection strategy. Data is collected and ready to be analysed).

Cheyenne Jarman, Joris Bucker, Golnar Gharooni Fard, Virginia Domínguez-García, **Yuanmo He**, Faith Masibili, and Annie Stephenson. Music complexity. (Ongoing project initiated at the Complex Systems Summer School. Equal contribution leaded by the first author. I lead the analyses in the complexity of lyrics.)

Marilena Hohmann, Sam Carter, Pablo Geraldo, **Yuanmo He**, Cheyenne Jarman, Annie Stephenson. When is conflict productive. (Ongoing project initiated at the Complex Systems Summer School. Equal contribution leaded by the first author. I lead the network analyses of survey data and potential text analysis.)

## CONFERENCE PRESENTATIONS

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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 (awarded **honourable mentions**; presented by coauthor due to schedule conflict) 07/2023

- The 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

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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

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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

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

## SKILLS AND INTERESTS

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**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, 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

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### Milena Tsvetkova

Associated Professor in Computational Social Science  
Department of Methodology  
The London School of Economics and Political Science  
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### Kenneth Benoit

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