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Education

Ph.D. Political Science and Statistics, Massachusetts Institute of Technology, 2024 (Expected).

Master of Finance, Tsinghua University, 2019.

L.L.B. Law (Dual Degree), University of International Business and Economics, 2016.

B.A. Finance, University of International Business and Economics, 2016.

Research Interests

Methodological: Causal Inference, Bayesian Statistics, Network Analysis, Applied Formal Theory

Substantive: International and Comparative Political Economy, Politics of Development

Publications

1. "Panel Data Visualization in R (`panelView`) and Stata (`panelview`)" (with Hongyu Mou and Yiqing Xu), conditionally accepted at *Journal of Statistical Software*.

2. A Bayesian Multifactor Spatio-Temporal Model for Estimating Time-Varying Network Interdependence (with Xun Pang), forthcoming at *Political Science Research and Methods*.

3. A Practical Guide to Counterfactual Estimators for Causal Inference with Time-Series Cross-Sectional Data (with Ye Wang and Yiqing Xu), forthcoming at *American Journal of Political Science*.

4. A Bayesian Alternative to the Synthetic Control Method (with Xun Pang and Yiqing Xu), forthcoming at *Political Analysis*.

Working Papers

1. Identification and Estimation of Treatment Effects from Social Network Data (job market paper).

2. Bayesian Sensitivity Analysis for Unmeasured Confounding in Causal Panel Data Models (with Teppei Yamamoto).

3. Estimating Treatment Effects from Time-Series Cross-Sectional Data with Binary Outcomes.

4. Bayesian Causal Inference with Longitudinal Network Data in the Presence of Interference (with Xun Pang).

Work in Progress

1. Investment Abridged: Firm Learning and the Expansion of BIT Network (with Ruofan Ma).

2. Ethnic Diversity and Citizen Compliance with Lockdown Policy in Sierra Leone (with Anum Mustafa and Lily Tsai).

3. Democratization and the Skill-Biased Tariff Structure in Developing Countries.

Scientific Software

1. "`bpCausal`: Bayesian Causal Inference with Panel Data" (with Xun Pang and Yiqing Xu) available through GitHub. 2021.

2. "`fect`: Fixed Effect Counterfactuals" (with Ye Wang and Yiqing Xu) available through GitHub. 2020.

3. "`panelView`: Visualizing Panel Data with Dichotomous Treatments" (with Yiqing Xu) available through the Comprehensive R Archive Network. 2018.

4. "`interflex`: Multiplicative interaction models diagnostics and visualization" (with Jens Hainmueller, Jonathan Mummolo and Yiqing Xu) available through the Statistical Software Components. 2017.

Conference Participation

1. PolMeth XL, Stanford, July, 2023.

2. APSA, Montreal, September, 2022.

3. PolMeth XXXIX, St. Louis, July, 2022.

4. Asian PolMeth IX, Virtual, January, 2022.

5. PolMeth XXXVII, Virtual, July, 2020.

Teaching Experience

1. Graduate Student Math Camp II, Instructor, Summer 2023 & 2022.

2. Political Methodology Workshop Series - Network Analysis II, Instructor, Spring 2023.

3. Quantitative Research Methods III, Teaching Assistant, Fall 2022.

4. Quantitative Research Methods II, Teaching Assistant, Spring 2022.

Professional Experience

Reviewer for *American Political Science Review*, *Comparative Political Studies*, *AISTATS 2023*, *Biostatistics*, *Demography*, *Evaluation and Program Planning*, *Machine Learning (MACH)*, *Regulation and Governance*, *Social Science Research*.

Honors and Awards

1. Travel and Registration Grant, Society for Political Methodology, 2023.

2. Political Methodology Lab (PML) Research Grants, MIT, 2022.

3. Presidential Fellowship, MIT, 2019 - 2020.

4. Beijing Outstanding Graduates, 2016.

5. National Scholarship, the Ministry of Education in China, 2013 - 2015.

Skills

R, STATA, Python, C/C++, Stan, LATEX

References

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