Shiyao Liu

CONTACT INFORMATION

PO Box 903
New York, NY 10276
United States

Web: https://ssliu.weebly.com/
Office: 617-324-3915
Email: ssliu@nyu.edu

RESEARCH INTEREST

Quantitative Methods (Experiment Design and Machine Learning),

Comparative Politics (Political Behavior)

EMPLOYMENT

New York University, Abu Dhabi, United Arab Emirates

Post-doctoral Associate in Social Science **August 2021 – present**

Peking University, Beijing, China

Assistant Professor, National School of Development and Institute of South-South Cooperation and Development **Exp September 2022**

EDUCATION BACKGROUND

Massachusetts Institute of Technology, Cambridge, Massachusetts

PhD in Political Science **September 2015 – September 2021**

General Exams: Political Methodology (High Pass) & Comparative Politics

Committee: Adam Berinsky, Lily L. Tsai, Teppei Yamamoto (Chair)

Peking University (Yuanpei Honors Program), Beijing, China

B.Econ. in Philosophy, Politics and Economics **September 2010 – June 2014**

B.S. in Statistics **September 2011 – June 2014**

WORKING PAPERS

Informing Average Treatment Effects with Post-treatment Variables

- Best Graduate Student Poster Award, Society for Political Methodology, 2019

- Presented at APSA 2019

What Makes Anticorruption Punishment Popular? Individual-level Evidence from China, Conditionally Accepted, *Journal of Politics*, with Lily Tsai and Minh Trinh

- Presented at APSA 2017

How Much Should You Trust Your Power Calculation Results? Power Analysis as an Estimation Problem, with Teppei Yamamoto

- Presented at PolMeth 2020

Beyond Topics: Learning for Texts as a Measurement

- Poster at PolMeth 2020

- Presented at APSA 2020

SOFTWARE

R package "cjoint", published at CRAN (with Soubhik Barari, Elissa Berwick, Jens Hainmuller, Daniel Hopkins, Anton Strezhnev and Teppei Yamamoto)

R package "polnet", under development (with In Song Kim, Dmitriy Kunisky and Sooahn Shin)

TEACHING EXPERIENCES

Instructor, Math Camp II (Multivariate Calculus, Matrix Algebra, Statistics), MIT Poli Sci, 2018-19

TA, Executive Course, Evaluating Social Programs, MIT J-PAL, 2017

TA, Game Theory and Political Theory, MIT Undergraduate and Graduate Course, 6.6/7.0, 2017

TA, Quantitative Methods IV (Machine Learning and Text Analysis), MIT Graduate Course, 2019

TA, Machine Learning and Data Science in Politics, MIT Undergradaute, 2020

TA, Macroeconomics (MBA), Cheung Kong Graduate School of Business, 2014-2015

COMMUNITY SERVICE	Co-coordinator, Harvard-MIT-BU Research Workshop on Chinese Politics, 2017-2020
	Judge in Political Science and Economics, MIT High School Research Competition, 2016, 2018
HONORS AND GRANTS	MIT Graduate Student Fellowship, 2015-2016
	Top scorer of the National College Entrance Examinations in Shanghai (1/30,000), 2010
	Mingde Scholarship (Top 1%, Full 4-year Academic Scholarship), Peking University, 2010
LANGUAGES AND SKILLS	English (Fluent), Cantonese (Conversational), Mandarin (Native), Shanghainese (Native)
	ArcGIS, Matlab, R, STATA, LaTeX, MS Office with Macros