Yuqi Song

The Salata Institute for Climate and Sustainability at Harvard University
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Professional Experience

Harvard University, The Salata Institute for Climate and Sustainability — Cambridge, MA
Postdoctoral Fellow — 2023-2025

Education

The University of Chicago, Harris School of Public Policy — Chicago, IL
Ph.D. in Public Policy Studies — June 2023

The University of Chicago, Booth School of Business — Chicago, IL
Master of Business Administration — March 2017

Massachusetts Institute of Technology — Cambridge, MA
Bachelor of Science in Mathematics and Economics — June 2014
Minor in Chemistry and Management Science

Areas of Interest

Environmental and Energy Economics, Climate Economics, Chinese Economy, Applied Microeconomics, Development Economics, Labor Economics.

Publications

"The effect of the end-number license plate driving restriction on reducing air pollution in China", Yuqi Song, *China Economic Review* (2024): 102252.

"The value of weather forecasts: evidence from labor responses to accurate versus inaccurate temperature forecasts in China", Yuqi Song, *Journal of Environmental Economics and Management* 125 (2024): 102970.

"Possible underestimation of the coal-fired power plants to air pollution in China", Zhixiong Weng, Yuqi Song, Cuiyun Cheng, Dan Tong, Meng Xu, Minghao Wang, and Yang Xie, *Resources, Conservation and Recycling* 198 (2023): 107208.

"Forecasting energy demand, structure, and CO_2 emission: a case study of Beijing, China", Zhixiong Weng, Yuqi Song, Hao Ma, Zhong Ma, and Tingting Liu, *Environment, Development and Sustainability* (2022): 1-23.

"Convergence of Eigenvalues to the Support of the Limiting Measure in Critical Beta Matrix Models", Chenjie Fan, Alice Guionnet, Yuqi Song, Andi Wang, *Random Matrices: Theory Appl.* **04**, 1550013 (2015).

Working Papers

Entry Choices and Performance of Forest-Based Carbon Offset Projects in Regulatory and Voluntary Carbon Markets, with Joseph E. Aldy, Noel Michele Holbrook, Jonathan Thompson and Xiaojie Gao.

Forecasts and Adaptation to Smokes: Evidence from Residential Electricity and Water Consumption under Smoke Exposure and Smoke Forecasts in California.

Breaking the Norms: The Environmental and Economic Impacts of Central Environmental Inspections under Local Government-Corporate Collusion in China, with Zhixiong Weng and Qingfeng Liu.

The Value of Accurate Weather Forecasts: Social Sentiment Responses Reflected in Social Media in China (*MIT Center for Real Estate Research Paper 21/20 (2021)*).

Arctic Air-Mass Displacement and Reduced Mid-Latitude Wintertime Temperature Variability under Climate Change, with Ivan Higuera-Mendieta, Amanda Farah, Claire Valva, Jim Franke, Noboru Nakamura and Elisabeth Moyer (*NRT Program in Data Science for Energy and Environmental Research Paper*).

The Development of China's Energy System: An Interpretation Using the Sankey Diagram, with Wenjia Ma, Elisabeth Moyer and Yunzhang Hu.

Work in Progress

Cyclone Forecasts and Electricity Shortage: Evidence from Nightlight Changes Under Forecast Cyclones in Eastern and South-Eastern Asia.

Development and Conservation: Evidence from Desertification and Related Sand Storm Impacts in China, with Claire Fan and Ashton Pallottini.

The Efficiency of Carbon Offset Market and the Role of Rating Firms, with Joseph E. Aldy.

The Value of Accurate Weather Forecasts: The Impacts of Accurate Temperature Forecasts on Road Congestion in China.

Fellowship and Honor

Salata Institute Postdoctoral Fellowship, Harvard University, 2023-Present.

EPIC-China Research Fund, Energy Policy Institute at the University of Chicago, 2023-Present.

Harris Public Policy Fellowship for PhD Candidates, The University of Chicago Harris School of Public Policy, 2018-2023.

DRW Graduate Fellowship in Economics and Policy, Energy Policy Institute at the University of Chicago, 2018-2023.

MIT Sustainable Urbanization Lab Summer Research Paper Fellowship, MIT Sustainable Urbanization Lab, June 2021-September 2021.

National Research Traineeship (NRT) Program in Computational Data Science to Advance Research at the Energy-Environment Nexus at the University of Chicago, National Science Foundation, July 2018-September 2021.

Phi Beta Kappa, Massachusetts Institute of Technology Department of Economics, 2014.

Research Experience

Energy Policy Institute at the University of Chicago, China Center (EPIC-China)
The University of Chicago Beijing Center and Chinese Center for Disease Control and Prevention, Beijing, China
Research Assistant June 2019-August 2019

Energy Policy Institute at the University of Chicago (EPIC) Climate Impact Lab
The University of Chicago, Chicago, IL
Research Assistant, the EPIC Pre-Doctoral Fellowship Program February 2017-August 2018

Department of Economics, Massachusetts Institute of Technology and National Bureau of Economics Research
Cambridge, MA
Research Assistant May 2012-June 2014

Teaching Experience

The University of Chicago, Harris School of Public Policy
Teaching Assistant January 2020-March 2022
Courses: Cost-Benefit Analysis (for MPP students, Winter 2020, Winter 2021) and Environmental Economics (for MPP and undergraduate students, Spring 2020, Winter 2022).

Environmental Data Science Virtual Bootcamps 2020, The University of Chicago
Moderator September 2020
Course: Statistics for Research.

Conference Presentations

2024: ASSA Annual Conference (Poster), Midwest Economic Association Annual Conference, Eastern Economic Association Annual Conference, Western Economic Association Annual Conference.

2023: AERE OSWEET, LSE Environment Week, CU Environmental & Resource Economics Workshop, Xi'an Jiaotong University Jinhe Center for Economic Research Environmental Seminar, CASS PhD Workshop.

2020-2022: American Geophysical Union Fall Meeting (2020, Poster), The Second Graduates Forum of the Global Alliance of Universities on Climate (2020), The Third Graduates Forum of the Global Alliance of Universities on Climate (2021, Video Presentation).

Review Activity

Frontiers of Environmental Science & Engineering, 2022; *China Economic Review*, 2023; *Econometrica*, 2023; *Climate Change*, 2024; *Journal of Environmental Economics and Management*, 2024; *Humanities and Social Sciences Communications*, 2024.

Skills

Language: Chinese (Mandarin and Cantonese), English.
Computer: R, STATA, Matlab, Mathematica, Python, Bash, GIS, Git, Google Cloud, Google Earth Engine, LaTex, Microsoft Office (WORD, EXCEL, PowerPoint), EXCEL DecisionTools Suite, Keynote, VB, Pascal, Photoshop, JavaScript, HTML.
Chemistry Lab: Titration, Chromatography, Distillation, Crystallization, Extraction.