

Jancy Ling Liu

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Education

Ph.D. Candidate in Economics, Georgia Institute of Technology, 2019-Present

Dissertation Committee: Tibor Besedes, Dylan Brewer, Casey J. Wichman, Laura Taylor, Eric Zou

M.S. in Economics, Georgia Institute of Technology, 2019

M.S. in Statistics, Georgia Institute of Technology, 2019

B.S. in Behavioral Finance, Dongbei University of Finance and Economics, 2015

Research Interests

Energy and Environmental Economics, Applied Microeconomics, Public Economics, Urban Economics,
Experimental Economics

Research

Job Market Paper

“Powering Down and Moving On? Energy Transition, Gentrification, and Local Impacts ”

[\[Most Recent Version\]](#)

Abstract: As the United States navigates a significant energy transition, marked by the retirement of fossil-fuel power plants and a shift towards renewables, it is crucial to comprehend its impact on local communities. This study leverages comprehensive datasets, including USPS Change of Address data and power plant retirement details, to conduct a nationwide assessment of how the retirement of fossil fuel power plants influences local migration trends and community dynamics during an unprecedented energy transition. Contrary to the typical narrative of gentrification, my findings reveal that the complete retirement of fossil-fuel generators in a region leads to a stagnation effect, characterized by decreases in both in-migration and out-migration. Despite improvements in environmental quality, plant closure is associated with long-term declines in employment and wages and a modest decrease in housing values. My analysis further reveals that lower-income groups and regions with a higher proportion of Black residents experience an intensified stagnation effect, raising environmental justice concerns. These findings underscore the complex interplay between the advantages and challenges associated with phasing out fossil fuel infrastructure, emphasizing the need for policies to support at-risk communities during the energy transition.

Working Papers

“Social Norms on the Consumption of Eco-labeled Products” with Tibor Besedes

Works in Progress

“The Effects of Hurricanes on Crimes” with Karen X. Yan

“Sorting Over Local Public Goods: Evidence From Energy Transition” with Dylan Brewer

“The Effects of Power Plant Closures on Mortality” with Dylan Brewer

Academic Publications

He, Q., **Liu, J. L.**, Eschapaspe, L., Beveridge, E. H., Brown, T. I. (2022). A comparison of reinforcement learning models of human spatial navigation. *Scientific Reports*, 12(1), 13923.

He, Q., **Liu, J. L.**, Beveridge, E. H., Eschapaspe, L., Vargas, V., Brown, T. I. (2022). Episodic memory integration shapes value-based decision-making in spatial navigation. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 48(8), 10981109.

Teaching Experience

Instructor of Record

Economics and Policy (Undergraduate): Spring 2023, Summer 2022

Teaching Assistant

Game Theory (Undergraduate): Fall 2023

Principles of Microeconomics (Undergraduate): Fall 2022, Fall 2021

Econometrics II (Graduate): Spring 2021

The Global Economy (Undergraduate): Summer 2021, Fall 2020

Labor Economics (Undergraduate): Spring 2020, Spring 2021, Spring 2019

Industrial Organization (Undergraduate): Fall 2019

Previous Employment

Research Assistant, Memory Affect Planning Lab (PI: Thackery Brown), Georgia Tech, 2018-2020

Research Assistant, Decision Process Lab (PI: Rick Thomas), Georgia Tech, 2017-2018

Assistant Researcher, Pure Capital (Private Equity), Chongqing, China, 2017

Operation Manager, Machine Learning Co.,Ltd (Fin-Tech Startup), Beijing, China, 2015-2016

Grants, Fellowships and Awards

APPAM Equity and Inclusion Fellowship, 2023

Alfred P. Sloan Foundation Student Travel Grant, 2022

Small Grant for Research (with Tibor Besedes), SGR-A, Ivan Allen College of Liberal Arts, Georgia Institute of Technology, \$11,500, 2022-2023

Joseph K. Heyman Scholarship, Atlanta Economics Club, 2022

Outstanding Online Teaching Assistant, Georgia Institute of Technology, 2021

Georgia Tech Graduate Leadership Fellow, 2021

Diversity Fellowship in Berkeley/Sloan Summer School in Environmental and Energy Economics, 2021

Professional Activities

Conference and Workshop Presentations (Including scheduled)

2024: ASSA Annual Meeting

2023: Camp Resources, Annual CU Environmental and Resource Economics Workshop, Southeastern Workshop on Energy & Environmental Economics and Policy, The Association for Public Policy Analysis and Management (APPAM) Annual Conference, Southern Economics Association Annual Meeting

2022: CSWEP 2022 Virtual Mentoring Workshop, Southern Economics Association Annual Meeting, Society for the Advancement of Behavioral Economics Conference, Ivan Allen College Graduate Student Conference

2021: Berkeley/Sloan Summer School in Environmental and Energy Economics (virtual); 13th Annual Georgia Tech Diversity Symposium

Referee Service

China Economic Review

Associations

American Economic Association (AEA)

Association of Environmental and Resource Economists (AERE)

Activities and Service

Member, Graduate Student Engagement Committee, AERE, 2023-Present.

Facilitator, Meditation Club, 2019-Present

Invited Mentee, CSWEP@SEA Mentoring Workshop, Fort Lauderdale, FL, 2022

Volunteer, Eighth Biennial Meeting of the Social Dilemmas Working Group, Boston, MA, 2022

Diversity, Equity, and Inclusion Council Member, Ivan Allen College, Georgia Tech, 2021-2022

Graduate Student Advisory Board Member, Ivan Allen College of Liberal Arts, Georgia Tech, 2020-2021

Volunteer, Women Leadership Conference, Atlanta, GA, 2019

Other

Skills: Python, R, STATA, MATLAB, SPM, L^AT_EX, Qualtrics

Languages: English (Fluent), Mandarin (Native), Spanish (Basic)

Citizenship: Chinese (Green card sponsored)