

Weiliang Tan

National Bureau of Economic Research
Office 434
1050 Massachusetts Ave
Cambridge, MA 02138

Cell: +1 203 809 2706
Email: wt289@cornell.edu; tanw@nber.org
Website: www.weiliangtan.com
Citizenship: Singapore, US F1 OPT Visa

EMPLOYMENT

Claremont McKenna College Assistant Professor of Economics	Claremont, CA, USA 2026 -
National Bureau of Economic Research Postdoctoral Research Associate, Startup Cartography Project Supervisors: Jorge Guzman, Scott Stern, Catherine Fazio	Cambridge, MA, USA 2025 - 2026

EDUCATION

Cornell University Ph.D. Applied Economics and Management Advisor: Prof. Ivan Rudik	Ithaca, NY, USA 2025
Yale University IvyPlus Exchange Scholar, Department of Economics Advisor: Prof. Samuel Kortum	New Haven, CT, USA 2023 - 2025
Yale-NUS College B.A. Environmental Studies, minor in Economics (summa cum laude)	Singapore 2018
Yale University Visiting International Student Program	New Haven, CT, USA Spring 2017

RESEARCH FIELDS

Primary: International and Spatial Economics; Urban Economics; Innovation and Entrepreneurship
Secondary: Macroeconomics; Environmental Economics

DATA ACCESS

US Census Special Sworn Status (since Jan 2023)

REFERENCES

Prof. Samuel Kortum
James Burrows Moffatt Professor of Economics,
Yale University
Chair, Department of Economics
Email: samuel.kortum@yale.edu

Prof. Peter Schott
Juan Trippe Professor of Economics,
Yale University
Executive Director, Yale Branch of the New York
Federal Statistical Research Data Center
Email: peter.schott@yale.edu

Prof. Ivan Rudik
Associate Professor, Cornell University
Director of Graduate Studies, Dyson School
Email: irudik@cornell.edu

Prof. Nancy Chau
Professor, Cornell University
Email: hyc3@cornell.edu

WORKING PAPERS

1. Tan, Weiliang (2024). The Geography of Innovation in the United States. [\[Link\]](#) *Job Market Paper*.
 - Research question: What drives the rising spatial concentration of innovation in high-skill cities from 1990 and what are the aggregate consequences?
 - Methodological contribution: Introduce endogenous, directed, and microfounded innovation in a dynamic spatial model
2. Rudik, Ivan, Gary Lyn, **Weiliang Tan**, and Ariel Ortiz-Bobea (2022). The Economic Effects of Climate Change in Dynamic Spatial Equilibrium. [\[Link\]](#) *Revise and Resubmit, Journal of Political Economy: Macroeconomics*
 - Research question: What are the welfare effects of general equilibrium adaptation via trade, migration, and capital accumulation in response to climate change?
 - Methodological contributions: (i) Model-consistent estimating equations to identify climate impacts on productivity and amenities from temperature shocks; (ii) Quantitative decomposition of general equilibrium adaptation channels (trade, migration, industry switching, capital accumulation) to shocks in fundamentals in a dynamic spatial model

SELECTED WORKS IN PROGRESS

3. The Geography of Technology Vintages (with Bernardo Ribeiro and Anh Tran)
 - Research question: Why are newer technology vintages concentrated in big cities?
 - Methodological contribution: Introduce technology vintages in a dynamic spatial model with endogenous innovation
4. The Geography and Spatial Networks of Innovation
 - Research question: What drives the rising intensity and changing geography of cross-region coinventor collaborations, and what are the implications on local and aggregate innovation in the United States?

NON-ACADEMIC PUBLICATIONS

1. Addicott, Ethan, Alhasan Badahdah, Luke Elder and **Weiliang Tan** (2019). Internal Carbon Pricing: Policy Framework and Case Studies. Yale Center for Business and the Environment: Research. [\[Link\]](#)

REFeree SERVICE

Journal of the European Economic Association; Journal of the Association of Environmental and Resource Economists (x2)

RESEARCH EXPERIENCE

Cornell University

Research Assistant to Prof. Ivan Rudik	Fall 2020 – Spring 2021, Spring 2022
Research Assistant to Prof. Todd Gerarden	Summer 2020

Yale University

Herb-Scarf Summer Research Assistant to Prof. Mushfiq Mobarak	Summer 2017
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Yale-NUS College

Participant, Summer Research Program	Summer 2017
Research Assistant to Prof. Lei Yu-Hsiang	Winter 2016
Research Assistant to Prof. Guillem Rimbau	Winter 2016
Participant, EnviroLab Asia (joint with Claremont Colleges)	Jan 2016, May 2018

TEACHING EXPERIENCE

Yale University

Teaching Assistant, ECON 184 International Economics (undergraduate) Spring 2023

Cornell University

Teaching Assistant, AEM 6510 Environmental Economics (masters) Fall 2021

Teaching Assistant, AEM 4500 Resource Economics (upper-level undergraduate) Spring 2020

Teaching Assistant, AEM 7010 Applied Microeconomics (first-year Ph.D.) Fall 2019

Yale-NUS College

Peer Tutor, Economics Spring 2018

FELLOWSHIPS, HONORS, AND AWARDS

Yale-NUS Overseas Graduate Scholarship 2018

Yale-NUS Outstanding Capstone Prize in Environmental Studies 2018

Singapore National Environment Agency EcoFriend Award 2017

Santander International Experience Scholarship 2016

Yale-NUS Social Impact Fellowship 2015

VOLUNTEERING

Co-founder & Chairman, Singapore Sustainable Solutions Network 2015 – 2016

President, I'dECO: Yale-NUS Sustainability Movement 2014 – 2016

Poster Session Presenter, UNFCCC COP 21 Global University Climate Forum 2015

MISCELLANEOUS

Programming	R, STATA, Julia, Python, Matlab
Languages	English (native), Standard Chinese (limited), Spanish (basic)
Other	World Chess Federation (FIDE) Candidate Master

Last Updated: July 2025