

Bo-Yeon Jang

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BROWN UNIVERSITY

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References

Professor **David N. Weil**
Brown University
david_weil@brown.edu

Professor **Matthew Turner**
Brown University
matthew_turner@brown.edu

Professor **Adam Storeygard**
Tufts University
Adam.Storeygard@tufts.edu

EDUCATION

Brown University
Ph.D. Candidate in Economics

Providence, RI, USA
Expected 2026

Brown University
M.A. Economics

Providence, RI, USA
2021

Columbia University
B.A. Economics-Mathematics (Honors) and Sustainable Development

New York, NY, USA
2017

TEACHING AND RESEARCH FIELDS

Environmental Economics, Economic Growth, Demography

JOB MARKET PAPER

Adaptation Under Evolving Climate Uncertainty

Adaptation is an increasingly attractive option for addressing the economic impacts of climate change. However, climate impacts are subject to significant climate uncertainty that will change over time as emissions are observed and geophysical models are improved. I use an ensemble of climate models to quantify the current extent of climate uncertainty in country-level economic impacts and construct a new empirical object to quantify its evolution. Incorporating these estimates in a real options model, I find that the optimal level of investment decreases in expectation from increasing the speed of uncertainty resolution. Because uncertainty from climate models comprises the majority of climate uncertainty, the results suggest increased climate science funding in the present may lead to savings in adaptation costs for vulnerable countries.

PUBLICATION

Bayer, A., Jang, B., & Wilcox, D. (2019). Who is being trained in economics? A new interactive website for exploring the race, ethnicity, and gender of Economics majors at U.S. colleges and universities. ***FEDS Notes***.

RESEARCH PAPERS

Climate Change, Population Growth, and Population Pressure <i>with J. Vernon Henderson, Adam Storeygard, and David N. Weil</i>	<i>Working Paper</i>
Demographic Shifts and Fertility Measurement: The Case of South Korea	<i>Work in Progress</i>
Information, Insurance, and the Shadow Price of (No) Adaptation <i>with Jiayue Zhang</i>	<i>Work in Progress</i>
A Historical View of Family Ties in the United States <i>with Daniel Crisostomo Wainstock</i>	<i>Work in Progress</i>

RESEARCH EXPERIENCE

Department of Economics, Brown University Research Assistant for Professor David N. Weil	Providence, RI, USA Summer 2020, 2021
Federal Reserve Board of Governors Senior Research Assistant, Research & Statistics Division	Washington, D.C., USA 2017 – 2019
American Economics Association Summer Training Program Advanced Track, Michigan State University	East Lansing, MI, USA Summer 2016
Korea Advanced Institute of Science & Technology Summer Fellow, Nuclear Nonproliferation Education & Research Center	Daejeon, South Korea Summer 2014, 2015

TEACHING

Teaching Assistant at Brown University

- Statistical Methods and Economic Analysis for MPA
(Professors: Jesse Bruhn, Alex Poterack, Bryce Steinberg, Neil Thakral)
Summer 2023, 2024, 2025
- Applied Economics Analysis (Instructor: Shunsuke Tsuda)
Spring 2023
- Big Data (Professor: Daniel Bjorkgren)
Fall 2022
- Inequality of Income, Wealth, and Health in the U.S. (Professor: David N. Weil)
Spring 2021
- Economic Growth (Professor: David N. Weil)
Fall 2020

Teaching Assistant at Howard University

- Data Analysis and Financial Literacy in R
Fall 2018, Spring 2019

FELLOWSHIPS AND AWARDS

- Bravo Center Research Fund, Brown University 2022, 2025
- Graduate Teaching Award, Brown Economics Department 2024
- PDBF Research Fund, Brown University 2022
- Population Studies Training Center NICHD T32 Fellowship 2021 – 2022
- Berkeley/Sloan Summer School in Environmental & Energy Economics Fellowship 2020
- Stephen R. Ehrlich Fellowship for First-Year Ph.D. in Economics 2019 – 2020
- Dean's List, Columbia University 2013 – 2017

OTHER

- **Referee:** Journal of Economic Growth
- **Presentations:** 2025 AERE Summer Conference, 2025 Berkeley Workshop on Formal Demography (Flash), 2025 Population Association of America (Poster), 2023 Seoul National University Climate & Environmental Research Workshop, 2016 AEA Mentoring Pipeline Conference
- **Affiliations:** Brown Population Studies & Training Center, Institute at Brown for Environment & Society
- **Service:** Growth Breakfast Co-organizer, Brown University (2022 - Present), Brown Economics Department Diversity and Inclusion Committee (2021 - 2023)
- **Software:** ArcGIS, FAME, Julia, LaTEX, PTC Creo, Python, R, Stata
- **Languages:** English (fluent); Korean (fluent); Spanish (basic)
- **Citizenship:** Republic of Korea; United States of America