

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
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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

Climate Economics, Economic Growth, Demography

JOB MARKET PAPER

Adaptation and Evolving Climate Uncertainty

Climate adaptation is an increasingly attractive option for addressing economic damages from climate change, which are subject to significant climate uncertainty. However, climate uncertainty in climate damages is expected to change over time. This paper explores the effect of evolving climate uncertainty on optimal adaptation investment. Formalizing the tradeoff between consumption smoothing and the benefits of delaying investment in a real options-style framework, I leverage a state-of-the-art ensemble of climate models to quantify the current extent and expected path of uncertainty. The results are used to calibrate the framework, demonstrating how accounting for the evolution of uncertainty increases the expected payoff while reducing the necessary level of investment.

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
with J.Vernon Henderson, Adam Storeygard, and David N. Weil *Working Paper*

Demographic Shifts and Fertility Measurement: The Case of South Korea *Work in Progress*

A Historical View of Family Ties in the United States
with Daniel Crisostomo Wainstock *Work in Progress*

RESEARCH EXPERIENCE

Federal Reserve Board of Governors
Senior Research Assistant, Research & Statistics Division Washington, D.C., USA
2017 – 2019

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 Summer 2023, 2024, 2025
(*Professors: Jesse Bruhn, Alex Poterack, Bryce Steinberg, Neil Thakral*)
- Computing for Economists (*Instructor: Shunsuke Tsuda*) Spring 2023
- Big Data (*Professor: Daniel Bjorkegren*) 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, 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:** AERE Summer Conference, Berkeley Workshop on Formal Demography (Flash), Population Association of America (Poster), Seoul National University Climate & Environmental Research Workshop, 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