

JACOB BRADT

Kennedy School of Government \diamond Harvard University
jbradt@g.harvard.edu \diamond 301.655.5262

EDUCATION

Harvard University

2018-Present

Ph.D. Student in Public Policy

Completed doctoral sequences in industrial organization and public finance in addition to coursework in behavioral economics.

Harvard University

2012-2016

A.B. in Environmental Science and Public Policy with a Secondary in Economics

CURRENT PROJECTS

User-generated Data, Spatial Sorting, and the Value of Recreational Amenities

I seek to demonstrate the feasibility of leveraging novel user-generated data from various geo-referenced social media platforms (e.g., Flickr and Twitter) to estimate a structural model of demand for environmental amenities at recreation sites in the U.S. I examine the core assumptions which underlie the travel cost model and develop an approach to account for the potential endogeneity of travel cost in the recreation demand approach.

Adaptation Investment and Development in High-Risk Coastal Areas (with Joseph E. Aldy)

We are examining the question of how public investment in climate change adaptation infrastructure affects private risk mitigation and new property development in high-risk coastal areas. This study uses the First Street Foundation's detailed data on adaptation infrastructure investments to assess how public adaptation investments affect decision-making in the residential housing market on both the extensive and intensive margins: the location and density of development as well as investment in private adaptation or other capital improvements.

Spatial Sorting and the Socioeconomic Incidence of Sea-Level Rise (with Joseph E. Aldy)

We are analyzing how the impacts of sea-level rise (SLR) on coastal property markets vary across socioeconomic groups. We will use First Street Foundation data to estimate the marginal willingness to pay for flood exposure across distributions of various socioeconomic variables using a dynamic sorting model for coastal housing markets. Fully specifying a dynamic structural model of residential sorting which will help to mitigate bias introduced by the static framework found in the literature studying the capitalization of flood exposure.

PUBLICATIONS AND WORKING PAPERS

Publications:

- Stock, J.H. and **J.T. Bradt**. 2020. "Analysis of proposed 20-year mineral leasing withdrawal in Superior National Forest." *Ecological Economics*, 174.
- Keenan, J.M. and **J.T. Bradt**. 2020. "'Underwaterwriting': From theory to empiricism in regional mortgage markets in the U.S." *Climatic Change*.
- **Bradt, J.T.** 2019. "Comparing the effects of behaviorally informed interventions on flood insurance demand: an experimental analysis of 'boosts' and 'nudges.'" *Behavioural Public Policy*.

Working Papers:

- **Bradt, J.T.**, C. Kousky, and O. Wing. *In preparation*. "On the Determinants of Voluntary Insurance Purchase: Evidence from the National Flood Insurance Program."

TEACHING

ECON 1420: American Economic Policy

Fall 2020

Harvard Economics Department, Teaching Fellow for Professors Jeffrey Liebman and Larry Summers

POSITIONS, FELLOWSHIPS, AND AWARDS

2020 - present	First Street Foundation Flood Lab Member
2018-present	Harvard Environmental Economics Program Pre-Doctoral Fellow
2016	Harvard Environmental Economics Program Prize for Best Undergraduate Thesis

RESEARCH EXPERIENCE AND OTHER EMPLOYMENT

2019-2020	Research Assistant, Wharton Risk Management and Decision Processes Center
2016-2018	Booz Allen Hamilton
2015	White House Council on Environmental Quality
2014	U.S. Environmental Protection Agency, National Center for Environmental Economics

PROFESSIONAL SERVICE

Referee: *Behavioural Public Policy*

Other Service:

2020 - present Harvard Environmental Economics Graduate Research Lunch, co-organizer

SKILLS AND INTERESTS

Skills:	R, Julia, Stata, Matlab, Python, LaTeX, Excel
Interests:	Running, hiking, reading