

JACOB BRADT

Kennedy School of Government \diamond Harvard University
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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

Consumer Subsidies, Technology Adoption, and Market Structure: Evidence from the California Solar Initiative

Consumer subsidies are a common policy tool for supporting the adoption of clean energy technologies. I examine the impact of consumer subsidies for clean technology adoption on supply side market structure in the context of the California Solar Initiative, which provided \$3.3 billion in subsidies to households adopting photovoltaic (PV) systems in from 2007 to 2016. I develop a model of market entry and exit for PV installation firms that accounts for learning-by-doing.

Spatial Sorting, Agglomeration Economies, and Travel Cost Endogeneity in Recreation Demand Models

Conventional recreation demand models assume that travel cost is exogenously determined; however, the costs individuals face when choosing which recreation site to visit are the result of a spatial sorting equilibrium which may be affected by the location of recreation sites and their different observed or unobserved attributes. This paper provides a simple approach to account for the potential endogeneity problem in travel cost models and demonstrates the importance of addressing this source of bias.

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.

PUBLICATIONS AND WORKING PAPERS

Publications:

- **Bradt, J.T.**, C. Kousky, and O.E.J. Wing. 2021. "Voluntary Purchases and Adverse Selection in the Market for Flood Insurance." *Journal of Environmental Economics and Management*, 110.
- 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.** *Revise and Resubmit.* “Modeling Tradeoffs between Recreation and Extraction Based Regional Development: An Integrated Assessment of Mining near the Okefenokee Swamp.”

TEACHING

EC 1661: Economics of Climate Change and Environmental Policy *Spring ‘21, Spring ‘22*
Harvard Economics Department; Teaching Fellow for Professor Robert N. Stavins

EC 1420: American Economic Policy *Fall ‘20, Fall ‘21*
Harvard Economics Department; Teaching Fellow for Professors Jeffrey Liebman and Larry Summers

CCP 2101: Climate Change Policy - Economics and Politics *Fall ‘20, Spring ‘21, Fall ‘21*
Harvard Kennedy School, Executive Education Program; Teaching Fellow for Professor Robert N. Stavins

CONFERENCE AND SEMINAR PRESENTATIONS (INCLUDING SCHEDULED)

- 2022 Association of Environmental and Resource Economists (AERE) Summer Conference, Northeast Workshop on Energy Policy and Environmental Economics
2021 First Street Foundation Flood Lab, Association of Environmental and Resource Economists (AERE) Summer Conference
2020 Federal Housing Finance Authority

POSITIONS, FELLOWSHIPS, AND AWARDS

- 2020 - present First Street Foundation Flood Lab Member
2018-present Harvard Environmental Economics Program Pre-Doctoral Fellow
2021 Vicki Norberg-Bohm Fellowship
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 AND MEMBERSHIP

Membership: American Economic Association (AEA), Association of Environmental and Resource Economists (AERE)

Referee: *Climate Risk Management, Behavioural Public Policy, Environmental & Resource Economics*

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