

Elise Breshears

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PhD candidate, studying energy, environmental, and urban economics, with 6+ years of experience in data and economic analysis. Previous work focuses on energy efficiency in the residential sector with emphasis on environmental justice. Experience working with interdisciplinary teams to solve complex problems.

Skills

Software (Advanced): LaTeX | Microsoft Office | R | SQL | Slurm Workload Manager

Software (Intermediate): Analytica | ArcGIS | MATLAB | Qualtrics | Stata | Visual Basic

Research Methods: causal inference | demand estimation | spatial analysis | survey design

Other: collaboration | communication | critical thinking | policy evaluation | project management

Work Experience

Pre-Doctoral Fellow | National Bureau of Economic Research, Remote **July 2021 - Present**

- Estimated the impact of redlining on energy efficiency via causal inference and spatial analysis

Graduate Assistant & Researcher | Michigan State University, East Lansing, MI **August 2017 - Present**

- Examined a mandatory energy disclosure policy, studying issues of non-compliance
- Constructed a novel data set to examine capitalization of energy efficiency in the housing market
- Estimated the impact of street lights on accidents/crime via causal inference and spatial analysis
- Processed administrative data to estimate the impact of foreclosure assistance on home retention
- Communicated topics in microeconomics, macroeconomics, and other topic courses (e.g., climate change) as an instructor and teaching assistant

Graduate Assistant & Researcher | Portland State University, Portland, OR **January 2016 – August 2017**

- Evaluated a survey on herbicide resistance management, examining a farmer's willingness to engage in best practices and cooperative approaches | Published: *Journal of Ecological Economics*
- Communicated topics in microeconomics, macroeconomics, econometrics, and other topic courses (e.g., environmental economics) as a teaching assistant

Operations Intern | Bonneville Power Administration, Portland, OR **June 2017 – August 2017**

- Constructed a data set of daily load forecasts using Visual Basic to examine the accuracy between the forecasts and observed load

Planning Intern | Energy Trust of Oregon, Portland, OR **April 2016 – May 2017**

- Assisted planning managers in the development of Integrated Resource Plans for electric utilities
- Conducted an analysis of the organization's energy efficiency portfolio via Excel and SQL
- Developed a market saturation model for residential lighting products via Analytica and SQL

Education

PhD, Economics & Environmental Science and Policy | Michigan State University **Expected 2023**

Dissertation: "Information Disclosure: Applications in Energy Economics"

MS, Economics | Portland State University **2017**

BS, Economics & Mathematics, *summa cum laude* | Portland State University **2015**