Elise Breshears

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PhD candidate, studying 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 an 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**
- Matched energy audits to historical maps to estimate the impact of redlining on energy efficiency

Graduate Assistant & Researcher | Michigan State University, East Lansing, MI   **August 2017 - Present**
- Matched energy audits to housing transactions to examine the impact of an energy disclosure policy on housing outcomes such as sales price
- Processed more than a million housing transactions, matching them to administrative program records, to estimate the impact of foreclosure assistance programs on home retention
- Used the high-performance computing cluster to process over a million records, estimating the impact of street lights on accidents and crime with a staggered difference-in-differences design
- Communicated topics in microeconomics/macroeconomics as an instructor or 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 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 forecasted and observed loads

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**