

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 an emphasis on environmental justice. Experience working with interdisciplinary teams.

Skills

Software (Advanced): LaTeX, Microsoft Office, R, SQL, and Slurm Workload Manager
Software (Intermediate): Analytica, ArcGIS, MATLAB, Qualtrics, Stata, and Visual Basic

Research Methods: demand estimation, difference-in-differences, multivariate analysis, regression discontinuity, spatial analysis, survey design, and other data management and visualization tools

Other: collaboration, critical thinking, project management, and verbal and written communication

Education

Michigan State University, East Lansing, MI

PhD, Economics (Dual Major: Environmental Science and Policy), expected 2023

Dissertation: "Information Disclosure: Applications in Energy Economics"

Portland State University, Portland, OR

MS, Economics, 2017

BS, Economics (2015) and Mathematics (2017), *summa cum laude*

Work (Industry) Experience

Bonneville Power Administration, Portland, OR

June 2017 – August 2017

Operations Research Analyst –Intern (40 hours per week)

- Constructed a database of daily load forecasts, examining the accuracy between forecasts

Energy Trust of Oregon, Portland, OR

April 2016 – May 2017

Planning Intern (20 hours per week)

- Assisted planners in the development of Integrated Resource Plans for multiple utilities
- Conducted an analysis of the organization's energy efficiency portfolio
- Developed a market saturation model for residential lighting products

Social Security Administration, Beaverton, OR

August 2015 – September 2015

Pathways Intern (40 hours per week)

- Maintained the database of death certificates, coordinating the termination of benefits

Work (Research) Experience

National Bureau of Economic Research, Cambridge, MA (Remote)

July 2021 – Present

Pre-Doctoral Fellow on Energy Economics (40 hours per week)

- Measured changes in residential energy efficiency after the institution of redlining

Michigan State University*August 2018 - Present*

Graduate Researcher (20 – 40 hours per week)

- Calculated the capitalization of energy efficiency into home prices
- Estimated the impact of LED street lights on crime and traffic accidents
- Examined a mandatory energy disclosure policy, studying issues of non-compliance

Research Assistant (10 – 20 hours per week)

- Estimated the impact of foreclosure assistance programs on home retention

Portland State University*December 2016 – August 2017*

Research Assistant (10 – 20 hours per week)

- Evaluated a national survey on herbicide resistance management, examining a farmer's willingness to engage in best practices and cooperative approaches
 - Published in *Journal of Ecological Economics*

Work (Teaching) Experience***Michigan State University and Portland State University****January 2016 – December 2019*

Instructor and Teaching Assistant (20 – 40 hours per week)

- Lead instructor for a course on introduction to macroeconomics
- Supported the teaching of introduction, intermediate, and graduate microeconomic and macroeconomic courses as well as topic courses (e.g., climate change, econometrics, etc.)

Service***Michigan State University, Department of Economics****August 2019 – May 2020*

- Graduate Student Mentor
- Member, Graduate Student Organization

Portland State University, College of Urban and Public Affairs*September 2016 – June 2017*

- Member, Graduate Student Advisory Council