

Emmett Saulnier

About

I am an ORISE research fellow with the EPA's Office of Water and a PhD Candidate at the University of Oregon studying economics. My research interests include environmental, urban, health, and climate economics.

Education

Ph.D. Economics, University of Oregon, *expected 2025*

M.S. Economics, University of Oregon, 2021

B.A. Economics, University of Virginia, 2017

B.S. Commerce, University of Virginia, 2017

Publications

Vertical Migration Externalities

Mark Colas and Emmett Saulnier. *Regional Science and Urban Economics*, 2023.

Working papers

Optimal Subsidies for Residential Solar

Mark Colas and Emmett Saulnier. *CESifo working paper 10446*.

Research in Progress

Perinatal health effects of herbicides: Glyphosate, Roundup, and the rollout of GM crops

Edward Rubin and Emmett Saulnier

The Distributional Impacts of Climate Change across U.S. Local Labor Markets

John Morehouse and Emmett Saulnier

Teaching

EC 434/534: Environmental Economics, U.O. Winter and Spring 2023

Instructor of record for upper level undergraduate/masters environmental economics course

EC 320: Introduction to Econometrics, U.O. Spring 2022

Instructor of record for first course in undergraduate econometrics sequence

EC 421: Introduction to Econometrics, U.O. Winter 2022

Led lab section for upper level undergraduate econometrics class

EC 607: Core Microeconomics III, U.O. Spring 2021

Led discussion section for 1st year PhD students covering topics in game theory and general equilibrium

EC 607: Core Microeconomics II, U.O. Winter 2021

Led discussion section for 1st year PhD students covering topics in producer theory and partial equilibrium

Professional Experience

ORISE Research Fellow, EPA Office of Water Washington, DC 2023-2024

Research Assistant, Dr. Meredith Fowlie and Dr. Edward Rubin Eugene, OR 2021

Built a machine learning model to predict air pollution levels using a chemical transport model and weather data.

Senior Business Analyst, CarMax Richmond, Va 2019

Built a machine learning model that informed operational strategy and analyzed experiments to prove its value.

Business Analyst, CarMax Richmond, Va 2017-2019

Worked on a multidisciplinary team of marketing strategists, software engineers, and data analysts to improve carmax.com's visibility in search engine results.

Feeds and Search Engine Marketing Intern, Merkle Charlottesville, Va 2016

Optimized product feeds for online retail clients to be sent to various search and comparison shopping engines

Presentations

2023 (*including scheduled*) Freddie Mac, WEAI Annual Conference, Camp Resources, TWEEDS, AERE@OSWEET

2022 Western Economic Association International (WEAI) Annual Conference, Seminar of Water and Environmental Economics Online (SWELL), The Workshop in Environmental Economics and Data Science (TWEEDS)

2021 Berkeley/Sloan Summer School in Environmental and Energy Economics

Honors and Awards

Kleinsorge Summer Research Fellowship 2022

Dale Underwood Outstanding Graduate Student Scholarship, 2020

Best 1st Year Econometrics Performance, 2020

First Year Fellowship, 2019-2020

Skills

Computing: R, SQL, Julia

Visual: Tableau, L^AT_EX, Markdown

Contact

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Github: [emmettsaulnier](https://github.com/emmettsaulnier) (<https://github.com/emmettsaulnier>)