

CV: Edward A. Rubin

Academic Positions

Assistant Professor, University of Oregon, Department of Economics, 2018–present

Education

B.S. Mathematics, University of Nebraska–Lincoln, 2007
M.S. Agricultural Economics, University of Nebraska–Lincoln, 2013
M.S. Statistics, University of Nebraska–Lincoln, 2013
M.S. Agricultural and Resource Economics, UC Berkeley, 2015
Ph.D. Agricultural and Resource Economics, UC Berkeley, 2018
Committee: Maximilian Auffhammer, Meredith Fowlie, Reed Walker

Primary interests: Environmental & Energy Economics, Applied Econometrics & Data Science, Inequality & Public Policy

Secondary interests: Health Economics, Development Economics, Criminal Justice

Publications

Strategic Shutdowns of Air Quality Monitors: Evidence from Jersey City and Across the U.S.

Yingfei Mu, Edward Rubin, and Eric Zou. *REStat (Accepted)*

Quantifying heterogeneity in the price elasticity of residential natural gas

Edward Rubin and Maximilian Auffhammer. 2024 (*Forthcoming*). *Journal of the Association of Environmental and Resource Economists*.

The Economic Impact of Critical Habitat Designation: Evidence from Vacant-Land Transactions

Maximilian Auffhammer, Maya Duru, Edward Rubin, and David L. Sunding. 2020. *Land Economics*, 96(2), 188–206.

Bringing Satellite-Based Air-Quality Estimates Down to Earth

Meredith Fowlie, Edward Rubin, and Reed Walker. 2019. *AEA Papers and Proceedings*, 109: 283–88.

(Book) **Data Science for Public Policy**

Jeffrey Chen, Edward Rubin, and Gary Cornwall. 2021. *Springer*

Working Papers

The strategic local geography of US electricity emissions

John Morehouse and Edward Rubin
Revise and resubmit, JAERE (resubmitted)

Customer Discrimination in the Workplace: Evidence from Online Sales

Erin Kelley, Gregory Lane, Edward Rubin, and Matthew Pecenco
Revise and resubmit, JOLE

What can we machine learn (too much of) in 2SLS? Insights from a bias decomposition

Connor Lennon, Edward Rubin, and Glen Waddell
Submitted

When we change the clock, does the clock change us?

Patrick Baylis, Severin Borenstein, and Edward Rubin
Submitted

Glyphosate exposure and GM seed rollout unequally reduced perinatal health

Edward Rubin and Emmett Saulnier
Submitted

Unequal avoidance: Disparities in smoke-induced out-migration

M. Steven Holloway and Edward Rubin

Are our hopes too high? Testing cannabis legalization's potential to reduce criminalization

Edward Rubin

Do aerially applied pesticides affect local air quality? Empirical evidence from California's San Joaquin Valley

Edward Rubin

Research in Progress

Declining power-plant emissions, co-benefits, and regulatory rebound

Meredith Fowlie, Edward Rubin, and Catherine Wright

Mismeasurement in exposure and access: Insights from cellphone data

Edward Rubin

Interactions between measurement error and policy

Edward Rubin

How salient are environmental risks? The short- and long-run effects of lead exposure in piped water

Edward Rubin

Teaching

EC524: Econometrics (II) - Prediction and machine learning

University of Oregon: Winter 2019, 2020, 2021, 2022, 2024, Spring 2024

EC607: Econometrics (III) - Causal inference

University of Oregon: Spring 2019, 2020, 2021, 2022, 2023, 2024

EC421: Introduction to Econometrics (II)

University of Oregon: Spring 2019, Winter 2019, Winter 2020, Spring 2020, Winter 2021, Winter 2022, Spring 2022, Winter 2023, Spring 2023, Winter 2023

ARE 212: Econometrics - Multiple Equation Estimation

University of California, Berkeley: Spring 2017, Spring 2018

STAT 380: Statistics and Applications

University of Nebraska-Lincoln: Summer 2012, Fall 2012, Spring 2013

STAT 218: Introduction to Statistics

University of Nebraska-Lincoln: Spring 2011, Summer 2011, Fall 2011

Honors, Awards, and Fellowships

EPA: *A Retrospective Analysis of Indirect Air Quality Benefits from Power-Sector Emissions Reductions*, 2021

Sloan Foundation (for TWEEDS), 2020–2022

University of Oregon Data-Science Initiative Seed Funding, 2019–2020

University of Oregon Program Grant, Fall 2019

EPA EmPOWER Air Data Challenge Winner, 2019–2020
with Meredith Fowlie

Private Enterprise Development in Low-Income Countries (PEDL) Exploratory Research Grant, 2018–2019
with Erin Kelley, Gregory Lane, and Matthew Pecenco

Outstanding Graduate-Student Instructor, UC Berkeley, 2018

Private Enterprise Development in Low-Income Countries (PEDL) Exploratory Research Grant, 2017–2018
with Erin Kelley and Matthew Pecenco

Giannini Foundation Mini-Grant, 2017–2018
with Maximilian Auffhammer

UC Berkeley ARE Summer Grant, 2016

GAANN Fellowship 2013–2015

Presentations

2024: LEEP (University of Exeter), UCSB Bren, AERE Annual Summer Conference, OSU Policy, EAERE Summer School

2023: EPIC Junior Workshop (UChicago)

2022: UC Berkeley ARE, GRIPS, Oregon State, EAERE Annual Conference, University of Nebraska–Lincoln

2021: AERE Remote Conference, RFF/EPA, CU Environmental & Resource Economics Workshop

2020: ASSA Annual Meeting, AERE Remote Conference, Duke Energy Data Analytics Symposium, RFF/EPA

2019: Western Economic Association International (WEAI) Annual Conference

2018: The Occasional Workshop; World Congress of Environmental Economics (WCERE); UC Berkeley, Computational Text Analysis Working Group; University of Oregon, Economics

2017: IGC-PEDL Workshop at Oxford; Heartland Environmental and Resource Economics Workshop; Berkeley Development Economics Lunch; Camp Resources; AAEA Annual Meeting; UC Berkeley, Summer Econ. Research Seminar; AERE Annual Summer Conference; 22nd Annual POWER Conference on Energy Research and Policy

2016: UC Berkeley, Environmental and Resource Economics Seminar

2015: UC Berkeley, Environmental and Resource Economics Seminar

2013: University of Nebraska–Lincoln, Statistics Departmental Seminar

2012: International Conference of Agricultural Economists (poster)

Academic Service

Advising

- *PhD committee chair* Mary Kopriva (co-chair); Connor Lennon (co-chair); Garrett Stanford (chair)
- *PhD dissertation committee* Robert McDonough; Max Mindock; John Morehouse; Jenni Putz; Meysam Rabiee; Kyle Wilson; Sichao Zhang
- *Undergraduate* Zoë Arnaut (reader); Eleanor Franks (reader); Kara Krnacik (chair); Aidan Pott (chair)

Other

- Founded/Organized TWEEDS (The Workshop in Environmental Economics and Data Science): 2019, 2020
- Co-founded/Organized OSWEET (Online Student Workshop in Environmental, Energy, and Transportation)
- Co-founded/Organized GoSee (Global Open Series in Environmental Economics)
- Co-organize applied microeconometrics workshop at UO
- **Referee:** PNAS AEJ: Policy, JAERE, JPubE, Economic Inquiry, JEEM, Land Economics, Resource and Energy Economics, Energy Policy, JPAM, Water Economics and Policy, Nature Communications: Earth & Environment
- Coordinated Environmental, Energy, and Resource Economics Seminar (UCB)
- Organized biweekly (twice per week) departmental lunches (UCB)

- Organized third-year research workshop (UCB)
- Organized departmental coffee hour (UCB)
- Mentored first-year graduate students (UCB)

Skills

Computational

- **Computing:** R, Python, Stata, Julia, QGIS, MATLAB, Mathematica, SAS
- **Design:** LaTeX, Markdown, Adobe Suite Design Suite, Microsoft Suite

Linguistic

- English (fluent)
- Spanish (conversational)

References

Maximilian Auffhammer, UC Berkeley

W. Reed Walker, UC Berkeley

Solomon Hsiang, UC Berkeley

Contact

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- **twitter** @edrubin
- **instagram** @edwardarubin
- **github** edrubin