

# 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

### **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

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

Yingfei Mu, Edward Rubin, and Eric Zou  
*Revise and resubmit*, RESTAT

### **The strategic local geography of US electricity emissions**

John Morehouse and Edward Rubin  
*Revise and resubmit*, JAERE

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

Connor Lennon, Edward Rubin, and Glen Waddell  
*Submitted*

### **Unequal avoidance: Disparities in smoke-induced out-migration**

M. Steven Holloway and Edward Rubin

### **Customer Discrimination in the Workplace: Evidence from Online Sales**

Erin Kelley, Gregory Lane, Edward Rubin, and Matthew Pecenco

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

Patrick Baylis, Severin Borenstein, 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

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

Edward Rubin and Emmett Saulnier

**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

**EC607: Econometrics (III) - Causal inference**

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

**EC421: Introduction to Econometrics (II)**

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

**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

**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:** American Economic Journal: Economic Policy (AEJ Policy), Journal of the Association of Environmental and Resource Economists (JAERE), Journal of Public Economics (JPubE), Economic Inquiry, Journal of Environmental Economics and Management (JEEM), Land Economics, Resource and Energy Economics (REE), Energy Policy, Journal of Policy Analysis and Management (JPAM), Water Economics and Policy (WEP), 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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