Aaron C. Watt

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Agricultural & Resource Economics
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Education

Ph.D. Agricultural & Resource Economics, University of California, Berkeley, 2020-Present.
  Dissertation: Optimal Siting of Air Quality Monitors under Uncertainty
  Fields: Environmental, Public, Industrial Organization
M.S. Applied Economics, Oregon State University, 2020.
B.S. Physics, Oregon State University, 2014.

Current Positions

2023–present, Pollution Policy Analysis Consultant, Resources for the Future (RFF)
  Satellite Data Valuables Project
2021–present Graduate Research Assistant, Larry Karp, ARE, UC Berkeley
  MLE and GMM AR(1) estimators in a model of pollution.

Past Positions

2021–2023 Administrative Assistant, Initiative on Equity in Energy and Environmental Economics,
  UC Berkeley, Energy Institute at Haas & Opportunity Lab at Center for Effective Global Action
2020–2021 Graduate Research Assistant, Sofia Villas-Boas, ARE, UC Berkeley
  Understanding impacts of COVID policies on small businesses.
2021 Graduate Research Assistant, Eugenie Dugoua & Marion Dumas, London School of Economics
  Natural language processing - analyzing the transition to electric in the automotive industry.
Oregon State University, Applied Economics
  2018-2022 Graduate Research Assistant, Robin Cross
    An application pipeline for satallite imagery access and analyis via computer vision.
  2018-2020 Graduate Teaching Assistant, Introduction to Environmental Economics
  2013–2014 Undergraduate Research Assistant, Janet Tate
    Material Characterization via Spectroscopy and Ellipsometry.
  2013–2014 Undergraduate Teaching Assistant, Introduction to the Physics of Electronics

Other Positions

2020-2021 Event Coordinator, Economists for Equity at Berkeley, UC Berkeley
2015-2018 Support Services Coordinator, Jackson Street Youth Shelter

Current Professional Activities

Agricultural & Resource Economics, UC Berkeley
  2022-present Seminar Organizer, Environment, Resource, and Energy Economics Seminar
  2023-present Founding Member and Organizer, Remote Sensing Working Group

Past Professional Activities

Agricultural & Resource Economics, UC Berkeley
    2022-2023 Instructor, 1-day Introduction to Python for Econometrics
    2021-2022 Committee Chair, Diversity, Equity, Inclusion Committee on Undergraduate Outreach

Research Support

2020-2021, Energy Institute at Haas & Opportunity Lab at Center for Effective Global Action
    "Optimal Siting of Air Quality Monitors", $5,000

Publications

Journal Articles

Overturf, Kaj A., Nathalie Steinhauer, Roberto Molinari, Mikayla E. Wilson, Aaron C. Watt, Robin M. Cross, Dennis vanEngelsdorp, Geoffrey R. Williams, Stephanie R. Rogers. "Winter weather predicts honey bee colony loss at the national scale." *Ecological Indicators*, (2022).
`https://doi.org/10.1016/j.ecolind.2022.109709`

Working Papers/Works in Progress

Watt, Aaron. "Optimal Pollution Monitor Placement and Regulation under Uncertainty." (2023)
Watt, Aaron. "Filling in the Gaps: Using Consumer Products to Replace Missing Pollution Data." (2022)
Watt, Aaron, Robin M. Cross, Dennis vanEngelsdorp, Anthony Nearman, Karen Rennich, Mikayla Wilson, Nathalie Steinhauer. "Is Colony Collapse Disorder real? Testing and separating worker bee disappearance." (2020)
Watt, Aaron, Robin M. Cross, "Chasing Colony Collapse: Econometric and Machine Learning Methods to Address Biases in US Honey Bee Loss Surveys." (2020)