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abpoll   
Adam Pollack 

## Adam Pollack

### research interests

Equity in climate risk management  
Values informed decision-making under uncertainty  
Flood risk dynamics in housing markets  
Uncertainty in flood risk valuation and estimation  
Reproducibility and usefulness of scientific practices

### appointments

#### Dartmouth College

*Postdoctoral Research Associate*, Thayer School of Engineering, 2022–present.  
adviser: Klaus Keller

### education

#### Boston University

*Ph.D.*, Earth & Environment, 2022.  
dissertation: Flood Risk Valuation and Estimation from County to Continental Scales  
advisers: Christoph Nolte and Ian Sue Wing

#### Stony Brook University

*M.S.*, Applied Mathematics and Statistics, 2016.  
*B.S.*, Applied Mathematics and Statistics, 2016.

### grants and contracts

**Co-Principal Investigator**, “Contribute to the Integrated Coastal Modeling (ICoM) project, Subaward to Dartmouth College from Battelle”. PI: Klaus Keller. DOE-Prime, \$231,794. 2023–2024.

### journal articles

Gourevitch, J. D., Kousky, C., Liao, Y. (, Nolte, C., **Pollack, A. B.**, Porter, J. R., and Weill, J. A. **2023**. *Unpriced climate risk and the potential consequences of overvaluation in US housing markets*. *Nat. Clim. Chang.*, pp. 1–8. DOI: 10.1038/s41558-023-01594-8.

Hennighausen, H., Liao, Y., Nolte, C., and **Pollack, A.** **2023**. *Flood insurance reforms, housing market dynamics, and adaptation to climate risks*. *J. Hous. Econ.* 62, p. 101953. DOI: 10.1016/j.jhe.2023.101953.

Nolte, C., Boyle, K. J., Chaudhry, A., Clapp, C., Guignet, D., Hennighausen, H., Kushner, I., Liao, Y., Mamun, S., **Pollack, A.**, Richardson, J., Sundquist, S., Swedberg, K., and Uhl, J. H. **2023**. *Data Practices for Studying the Impacts of Environmental Amenities and Hazards with Nationwide Property Data*. *Land Econ.* DOI: 10.3368/le.100.1.102122-0090R.

**Pollack, A. B.**, Wrenn, D. H., Nolte, C., and Wing, I. S. **2023**. *Potential Benefits in Remapping the Special Flood Hazard Area: Evidence from the U.S. Housing Market*. *J. Hous. Econ.* 61, p. 101956. DOI: 10.1016/j.jhe.2023.101956.

**Pollack, A. B.** and Kaufmann, R. K. **2022**. *Increasing storm risk, structural defense, and house prices in the Florida Keys*. *Ecol. Econ.* 194 C. DOI: 10.1016/j.ecolecon.2022.107350.

**Pollack, A. B.**, Sue Wing, I., and Nolte, C. **2022**. *Aggregation bias and its drivers in large scale flood loss estimation: A Massachusetts case study*. *J. Flood Risk Manag.* 15 4. DOI: 10.1111/jfr3.12851.

Castigliego, J. R., **Pollack, A.**, Cleveland, C. J., and Walsh, M. J. **2021**. *Evaluating emissions reductions from zero waste strategies under dynamic conditions: A case study from Boston*. *Waste Manag.* 126, pp. 170–179. DOI: 10.1016/j.wasman.2021.02.026.

### preprints & in review

**Pollack, A.**, Helgeson, C., Kousky, C., and Keller, K. **2023**. *Transparency on underlying values is needed for useful equity measurements*.

**Pollack, A.**, Wing, I. S., Pinter, N., and Nolte, C. **2022**. *New Empirical Models for Flood Loss Prediction and Implications for the Coterminous United States*.

technical  
reports

- Castigliero, J. R., Walsh, M. J., Pollack, A., and Cleveland, C. J. 2019. *Carbon free Boston: waste technical report*. Tech. rep.
- Hatchadorian, R., Best, R., Wholey, K., Calven, A., Levine, E., and Pollack, A. 2019. *Carbon Free Boston: Buildings Technical Report*. Tech. rep.
- Walsh, M. J., Fox-Penner, P., Zheng, K., Pollack, A., and Cleveland, C. J. 2019. *Carbon Free Boston: Energy Technical Report*. Tech. rep.
- Walsh, M. J., Kinney, P. L., Levy, J. I., Tallon, L., Skipper, N., Russell, A., Castigliero, J. R., Pollack, A., Zheng, K., and Cleveland, C. J. 2019. *Carbon Free Boston: Technical Summary*. Tech. rep.

invited talks

- “Equity and Deep Uncertainty in Benefit Cost-Analyses Deep Dive”**, Annual Meeting of the Megalopolitan Coastal Transformation Hub, *Rutgers University-Camden*. Camden, New Jersey, 2023.
- “Supporting Integration Through MACH Prototype Decision-Analyses”**, Integration Meeting of the Megalopolitan Coastal Transformation Hub, *Rutgers University*. Remote Presentation, 2022.
- “Using Toy Problems to Improve Intuition, Convergent Research Designs, and Decision-Support”**, Seminar Meeting of the Megalopolitan Coastal Transformation Hub, *Rutgers University*. Remote Presentation, 2022.
- “Do markets price weather-related risks?”**, Climate Econometrics Seminar Series, *Climate Econometrics, Nuffield College, University of Oxford*. Remote Presentation, 2021.
- “Flood Loss Risk and Its Drivers: Evidence from Massachusetts Residential Properties”**, 2020 Climate and Health Seminar, *Boston University School of Public Health*. Remote Presentation, 2020.
- “Parcel level flood risk and interventions in Massachusetts”**, Cloud to Street Lab Meeting, *Cloud to Street*. Remote Presentation, 2020.
- “Panama Papers: Temporal and Spatial Trends in Entity Formation”**, Symposium on Big Data, Human Health and Statistics, *University of Michigan*. Ann Arbor, MI, 2016.

conference  
papers

- Pollack, A., Sue Wing, I., Pinter, N., Schaefer, K., and Nolte, C. 2021. *Can property level flood losses be reliably predicted?* 2021 American Geophysical Meeting Fall Meeting (Remote).
- Pollack, A. and Kaufmann, R. 2020. *Market prices for weather-related risk: Hurricane Irma and house prices in the Florida Keys*. 2020 American Geophysical Union Fall Meeting (Remote).
- Pollack, A. and Kaufmann, R. 2020. *Pricing weather-related risk mitigation in coastal housing markets: insights from the Florida Keys after Hurricane Irma*. 2020 Association of Environmental and Resource Economists Summer Conference (Remote).
- Pollack, A., Sue Wing, I., and Nolte, C. 2020. *Flood Loss Risk and Its Drivers: Evidence from Massachusetts Residential Properties*. 2020 American Geophysical Union Fall Meeting (Remote).
- Pollack, A., Sue Wing, I., and Nolte, C. 2020. *High-resolution flood loss estimates are necessary for effective flood risk management*. 2021 Northeast Agricultural Regional Economics Association Annual Meeting (Remote).

workshop  
presentations

- “CoPe Cross-Hub Community of Practice: Successes and struggles on the path to convergence research”**, CoPe Cross-Hub Community of Practice Seminar, *National Science Foundation*. Remote Presentation. November. 2023.
- “Transparency on underlying values is needed for useful equity measurements”**, Annual Conference of the Society of Decision Making Under Deep Uncertainty, *Society of Decision Making Under Deep Uncertainty*. Delft, Netherlands (Poster). October. 2023.
- “Transparency on underlying values is needed for useful equity measurements”**, Advancing Complex Adaptive Human-Earth Systems Science in a World of Interconnected Risks, *MultiSector Dynamics*. Davis, California (Poster). October. 2023.
- “Flood risk signals in the property market and implications for flood risk management”**, 2022 ZTRAX Special Issue Workshop, *Journal of Housing Economics and Land Economics*. Remote Presentation. August. 2022.

**“Can property level losses be reliably predicted?”**, 2021 PLACES Webinar: Land, Water, and ZTRAX, *Boston University*. Remote Presentation. June. 2021.

**“Can property level flood losses be reliably predicted?”**, First Street Foundation Flood Lab Workshop, *First Street Foundation*. Remote Presentation. June. 2021.

**“Geo-locating ZTRAX”**, 2020 PLACES Webinar, *Boston University*. Remote Presentation. June. 2020.

**“Data Inputs to Hedonic Flood Risk Models”**, 2020 PLACES Webinar, *Boston University*. Remote Presentation. June. 2020.

peer review

Business & Economics  
Land Economics  
Water Resources Research

awards

**Research Fellowship**, Boston University, 2022.  
**Research Fellowship**, Boston University, 2021.  
**Teaching Fellowship**, Boston University, 2021.  
**Research Fellowship**, Boston University, 2020.  
**Teaching Fellowship**, Boston University, 2020.  
**Research Fellowship**, Boston University, 2019.  
**Dean’s Fellowship**, Boston University, 2019.

teaching

**Boston University**  
Data, Models and Analysis in Earth and Environment. Teaching Fellow and Lab Instructor. Spring 2021.  
Data, Models and Analysis in Earth and Environment. Teaching Fellow and Lab Instructor. Spring 2020.

**Stony Brook University**  
Software Development Fundamentals. Teaching Assistant. Spring 2016.

additional  
experience

**Social and Behavioral Research - Basic**, CITI program. 2022–2025.  
Record #48549028.

**Abstract Reviewer**, Northeastern Agricultural Resource Economics Association. 2023–2024.

**Notetaker and Rapporteur**, Multisectoral Dynamics Workshop Equity Breakout Sessions. 2023.

**Co-Chair, Student Postdoc Leadership Council**, Megalopolitan Coastal Transformation Hub. 2022–2023.

**Lead, Data Integration Working Group**, Megalopolitan Coastal Transformation Hub. 2022–2023.

**Founder, Irving Institute Research Labs Seminar Group**, Irving Institute for Energy & Society. 2022–2023.

**Session Chair, Property Values (Flood Risk)**, Association of Environmental and Resource Economists 2020 Virtual Summer Conference. 2020.

**Summer School Participant**, Summer School on Sustainable Climate Risk Management. 2019.

**Summer School Participant**, University of Michigan Big Data Summer Institute. 2016.