

James Archsmith

Department of Agricultural and Resource Economics
2200 Symons Hall
University of Maryland
7998 Regents Drive
College Park, MD 20742-5535

<https://econjim.com>
archsmit@umd.edu
Office: 2214 Symons Hall

Academic Appointments

August 2018 - Assistant Professor, Agricultural and Resource Economics,
University of Maryland, College Park
September 2020 - Lead Faculty Fellow, University Honors
University of Maryland, College Park

Affiliations: Maryland Transportation Institute

Education

2018 PhD, Economics, **University of California, Davis**
2011 MA, Applied Economics, **University of Michigan, Ann Arbor**
1999 BSNRE, Environmental Policy and Behavior, **University of Michigan, Ann Arbor**

Publications

Future paths of electric vehicle adoption in the United States: Predictable determinants, obstacles and opportunities with Erich Muehlegger and David Rapson, **Environmental and Energy Policy and the Economy** vol. 3, January 2021, doi: [10.3386/w28933](https://doi.org/10.3386/w28933).

Attribute Substitution in Household Vehicle Portfolios with Kenneth Gillingham, Chris Knittel, and David Rapson, **The RAND Journal of Economics**, Winter 2020, doi: [10.1111/1756-2171.12353](https://doi.org/10.1111/1756-2171.12353).

Air Quality and Error Quantity: Pollution and Performance in a High-skilled, Quality-focused Occupation with Anthony Heyes and Soodeh Saberian, **Journal of the Association of Environmental and Resource Economists**, October 2018, doi: [10.1086/698728](https://doi.org/10.1086/698728).

From Cradle to Junkyard: Assessing the Life-cycle Greenhouse Gas Benefits of Electric Vehicles with Alissa Kendall and David Rapson, **Research in Transportation Economics**, October 2015, doi: [10.1016/j.retrec.2015.10.007](https://doi.org/10.1016/j.retrec.2015.10.007).

Selected Working Papers

Dam Spillovers: Direct costs and spillovers from environmental constraints on hydroelectric generation. Revisions requested by [Journal of the Association of Environmental and Resource Economists](#). 2017 United States Association for Energy Economics North American Conference Best Student Paper Award. Current Version: econjim.com/WP1701.

Adjustment on the Margin: Evaluating emissions reduction policies in the face of short-run adjustment costs.

Dynamics of Inattention in the (Baseball) Field with Anthony Heyes, Matthew Neidell, and Bhaven Sampat. Revisions requested by [The Economic Journal](#). [NBER Working Paper w28922](#) and [IZA Discussion Paper No. 14440](#). Current Version: econjim.com/WP2101

Selected Works in Progress

The Long-Run Effects of Air Pollution with Tatyana Deryugina and Erica Myers.

What influences consumers' expectations of future gasoline prices? with Simon Levin.

Chronic and behavioral health outcomes of youth in foster care exposed to out of state air pollution with Roderick Rose.

The Effect of Air Pollution and Climate Change on Child Maltreatment with Roderick Rose.

Estimating Worldwide Marginal Emissions Factors with Erich Muehlegger and David Rapson.

Fellowships and Awards

2022	University of Maryland System MPower Seed Grant (\$50,000)
2020	Maryland Transportation Institute Seed Grant (\$25,000)
2017-2018	UC Davis Provost's Dissertation Year Fellowship
2017	USAEE North American Conference Best Student Paper Award

Invited Presentations

2024	Carnegie Mellon/Pitt Applied Micro Seminar; NC State TREE Seminar; UC Berkeley Energy Camp
2023	UC Berkeley Energy Camp
2022	AERE Summer Conference; UC Berkeley Energy Camp
2021	AERE Summer Conference; UC Berkeley Energy Camp; Resources for the Future
2020	TWEEDS; AERE Summer Conference [†] ; The Wharton School, University of Pennsylvania
2019	NBER Electricity Markets Workshop; UC Berkeley Energy Institute Energy Camp; NBER Energy and Environmental Economics Summer Institute
2018	World Congress of Environmental and Resource Economists; Virginia Polytechnic Institute and State University; University of Maryland, College Park; University of Sydney; Haverford College; American Enterprise Institute
2017	AERE Summer Conference, Emerging Data Opportunities in Environmental and Resource Economics Sponsored Session; UC Berkeley Energy Institute Energy Camp; United States Association for Energy Economics North American Conference; University of Hawai'i at Mānoa Economics Department Seminar; University of California, Davis Energy Economics Program Seminar
2016	University of California, Davis Energy Economics Program

[†]Postponed or canceled due to COVID-19 pandemic

Other Service

Referee for American Economic Journal: Economic Policy, Climate Policy, Economics Letters, Journal of the Association of Environmental and Resource Economists, Journal of Economic Behavior and Organization, Journal of Economic Psychology, Journal of Transport Geography, Land Economics, Review of Economics and Statistics, Southern Economic Journal, Transportation Research Part A: Policy and Practice, Transportation Research Part D: Transport and Environment

Teaching

University Of Maryland

2018-	AREC 380	Data Science for Environmental and Resource Economics
2018-	AREC 785	Advanced Economics of Natural Resources
2022-	HUNH 258A	Harvesting Big Data to Examine Agriculture and Climate Change

University Of California, Davis

2017	ECN 125	Energy Economics
------	---------	------------------

Data Analysis and Programming

Data Analysis Software:	Stata, Mata, R, Matlab, TensorFlow
Databases:	SQL, including deployment and administration of MySQL and MS-SQL
Programming Languages:	C, C++, Python, Java, Visual Basic, JavaScript, PHP, bash
High-Performance Computing:	nVidia CUDA in C, C++, and Python