

PEDRO LIEDO

pliedo.github.io
pliedo@ucdavis.edu
(530) 761-6415

2160 Social Sciences and Humanities
University of California, Davis
One Shields Ave Davis, CA 95616

EDUCATION

Ph.D. in Agricultural and Resource Economics, University of California, Davis	(Expected) 2026
Master of Public Policy, University of Chicago	2018
B.A. in Economics, ITAM	2015

DISSERTATION COMMITTEE

Aaron Smith ARE University of California, Berkeley aaronsmith@berkeley.edu	Erich Muehlegger Economics University of California, Davis emuehlegger@ucdavis.edu	Monica Singhal Economics University of California, Davis msinghal@ucdavis.edu
--	--	--

RESEARCH FIELDS

Primary: Environmental and Energy Economics
Secondary: Public Economics and Transportation

WORKING PAPERS

Tax evasion and vehicle fleet outcomes in Mexico

Job Market Paper

This paper explores vehicle taxation policies and their implications, particularly in the context of developing countries with potentially fragile institutions. Utilizing a difference in difference per price bin identification strategy, this study examines the impact of taxation policies on vehicle registrations, avoidance behavior, and, environmental outcomes. In this paper, I estimate the magnitude of revenue loss due to tax avoidance and analyze how changes in vehicle choices affect environmental attributes. I explore how these dynamics influence the distribution of vehicle registrations and examine the trade-offs between adopting cleaner vehicles and achieving lower fuel efficiency

Flexibility and Timing of Incentives: Navigating the Fuel Transition in Refinery Production

This project explores the trade-offs between refineries specialized in renewable diesel and those capable of flexible production between renewable diesel and sustainable aviation fuel (SAF). Using technical production data, we estimate the value of flexibility in switching between fuels. Scenarios such as on-road fuel demand decline and shifts in policy support for SAF allow us to analyze how timing of incentives impacts refinery decisions. These insights provide a clearer understanding of optimal production strategies, helping refineries adapt to evolving market conditions and policy shifts.

Supply elasticity of biofuels in the Low Carbon Fuel Standard

The Low Carbon Fuel Standard provides credits to biofuel producers once they get a pathway approved. The subsidy provided by the credit is greater the less carbon-intensive a fuel is. I use the approval of pathways as price shocks to study the change in crops planted used to produce biofuels.

TEACHING EXPERIENCE

Instructor, UC Davis

Summer Applied Research Course	2024
--------------------------------	------

Teaching Assistant, UC Davis

Undergraduate: Financial Management of the firm	2020
---	------

Teaching Assistant, ITAM

Graduate: Energy and Environmental Economics	2019
--	------

Teaching Assistant, University of Chicago

Graduate: Analytical Politics	2017
-------------------------------	------

Instructor, ITAM

Undergraduate: Introductory Microeconomics	2019
--	------

Teaching Assistant, ITAM

Undergraduate: Introductory Microeconomics	2013-2015
--	-----------

PROFESSIONAL ACTIVITIES

Institute of Transportation Studies, Policy Institute	2020-2024
Graduate Student Researcher	

Ministry of Finance-(Mexico)	2014-2016
Analyst	

SERVICE

Diversity, Equity, and Inclusion committee	2024
--	------

Student Cafe Coordinator	2023
--------------------------	------

Graduate Inclusive Education and Mentoring Training (GET) workshop	2023
--	------

CONFERENCES

APPAM, National Harbor	2024
------------------------	------

CU Environmental & Resource Economics Workshop, Vail	2024
--	------

AERE Summer Conference, Washington D.C.	2024
---	------

Interdisciplinary Ph.D. Workshop in Sustainable Development at Columbia University, New York	2024
--	------

Allied Social Science Associations (ASSA) Annual Meeting, San Antonio	2024
ITAM Alumni Conference, Mexico City	2023
AAEA Annual Meeting, Washington D.C.	2023
The Occasional Workshop in Environmental and Resource Economics, Santa Barbara	2023

SCHOLARSHIPS, HONORS, AND AWARDS

Giannini Foundation mini-grant (with Aaron Smith), UC Davis	2024
ARE Summer Research Fellowship, UC Davis	2024
Henry A. Jastro Graduate Research Scholarship Award, UC Davis	2023
ARE Summer Research Fellowship, UC Davis	2023
Mexican Ministry of Research fellowship for doctoral students, UC Davis	2021
Bartlett Fellowship in Environmental and Energy Economics, University of Chicago	2017
Mexican Ministry of Energy and Research fellowship for master students, University of Chicago	2016

OTHER

Spanish (native), English (fluent), German (intermediate)

Software: R, Julia, Stata, L^AT_EX