






Dr. Luis Sarmiento
Environmental Economist

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As an experienced professional, I have developed a strong expertise in applied econometrics, energy modeling, and agent-based models. My research focuses on critical issues such as the sub-clinical effects of air pollution (productivity, well-being), city policies to decrease environmental externalities, the energy transition, and climate change.





Work Experience

DATES	POSITION	INSTITUTION	ACTIVITIES	COUNTRY
Sep.2022 -	Junior Scientist	European Institute on Economics and the Environment	<ul style="list-style-type: none">• Applied econometrics and causal inference.• Design of micro-economic agent-based models.• Scientific support to institutional activities.• Mentoring of junior scholars.• Study the relationship between digitalization and the environment.	
Sep.2020 Sep.2022	Postdoc Researcher	European Institute on Economics and the Environment	<ul style="list-style-type: none">• Applied econometrics and causal inference.• Scientific support to institutional activities.• Study the relationship between digitalization and the environment.	
Apr.2017 Sep.2020	Research Associate	German Institute of Economic Research	<ul style="list-style-type: none">• Publication of scientific articles on energy and environmental economics.• Research on the effects of air pollution and air pollution control policies on productivity, health, and wellbeing.	
Nov.2019 Aug.2020	Research Associate	Hertie School of Governance	<ul style="list-style-type: none">• Study the relationship between daylight savings and transit patterns.	
Sep.2012 Sep.2015	Business Executive	Banco del Bajío SA	<ul style="list-style-type: none">• Financial advice to small and midium-sized companies	

Education

DATES	DEGREE	INSTITUTION	DISSERTATION	COUNTRY
Apr.2017 Aug.2020	Doctor in Economics (Summa Cum Laude)	Berlin Institute of Technology	An Econometric Analysis of Environmental Phenomena	
Sep.2014 Apr.2016	Master of Science in Economics and Management	Humboldt University of Berlin	Electricity Production from Renewable Sources in Mexico: A Time Series Analysis	
Aug.2007 Aug.2012	Bachelor of International Business	University of Lasalle Bajío	A Project of Foreign Direct Investment between Mexico and Colombia	






Teaching

YEAR	SEMESTER	INSTITUTE	LECTURE	LEVEL	COUNTRY
2023	Winter (upcoming)	University of Bologna - Bologna Business School	Environmental Economics and Policy	MBA	
2023	Summer	University of Bologna - Bologna Business School	Environmental Economics and Policy	MBA	
2019	Summer	Berlin Institute of Technology & German Institute of Economic Research	Applied Econometrics for Energy & Environmental Economists	Ph.D	
2018	Summer	Berlin Institute of Technology & German Institute of Economic Research	Applied Econometrics for Energy & Environmental Economists	Ph.D	

Publications

YEAR	ARTICLE	JOURNAL	AUTHORS	AFFILIATIONS
2022	The Nonlinear Effects of Pollution on Crime: Evidence from Mexico City and New York	Environmental Research - Health	• Luis Sarmiento	• RFF-CMCC
2021	Air Pollution and the Productivity of High-Skill Labor: Evidence from Court Hearings	Scandinavian Journal of Economics 124: 301-332.	• Luis Sarmiento	• RFF-CMCC
2021	Mexico and US Power Systems Under Variations in Natural Gas Prices	Energy Policy, 151, 113378	• Luis Sarmiento • Juan Rosellon • Sauleh Siddiqui • Max Brown • Avraam Charalampos • Anahi Molar • Baltazar Solano	• RFF-CMCC and DIW Berlin • CIDE • American University • National Renewable Energy Laboratory • Munich Institute of Technology • New York University • University College London
2021	The Role of Energy Storage in the Uptake of Renewable Energy: A Model Comparison Approach	Energy Policy 151, 112159	• Sara Giarola • Luis Sarmiento • Kathleen Vaillancourt • Max Brown • Anahi Molar • Ivan Garcia Kerdan	• University College London • RFF-CMCC & DIW Berlin • ESMIA Consultants • National Renewable Energy Laboratory • Munich Institute of Technology • University College London
2021	The Effects of the 2013 Floods on Germany's Road Freight Traffic	Transportation Research Part D, S.1022774	• Julio Fournier • Luis Sarmiento	• DIW Berlin • DIW Berlin
2019	Analysing Scenarios for the Integration of Renewable Energy Sources in the Mexican Energy System	Energies, 12.17, 3270	• Luis Sarmiento • Thorstan Burandt • Konstantin Löffler • Pao-yu Oei	• DIW Berlin • Berlin Institute of Technology • Berlin Institute of Technology • University of Flensburg

Latest Presentations

Year	Conference	Presentation	City	Country
2023	ICEE World Congress	The Air Quality Effects of Uber	Cagliari	
2023	IAERE Annual Conference	The Unaccounted Effects of Low Emission Zones: Evidence from Madrid Central	Naples	
2022	EAERE Annual Conference	The Air Quality Effects of Uber	Rimini	
2022	Mannheim Conference on Energy and the Environment	The Unaccounted Effects of Low Emission Zones: Evidence from Madrid Central	Mannheim	
2022	BSE Workshop: The Distributional Consequences of Environmental Policies	The Air Quality Effects of Uber	Berlin	

Softwares and Languages

R (R-Studio)		English	
Quarto		Spanish	
Git		Italian	
GAMS		German	
Julia			
Python			