



LUIS SARMIENTO

Economist

I am an environmental economist focusing on **causal inference** and **energy modeling**. As an experienced professional, I have developed substantial 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.

Contact

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Education

● Doctor In Economics (SCL)

Berlin Institute of Technology

2017-2020

Berlin, Germany

● M.S. in Economics & Mng.

Humboldt University of Berlin

2014-2016

Berlin, Germany

● B.S International Business

University of Lasalle Bajio

2007-2012

Leon, Mexico

Software

R (R-Studio)



Quarto



Git



GAMS



Julia



Python



Experience

● Environmental Scientist

European Institute on Economics and the Environment. Milan, IT.

Sep 2022 - Present

- 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.

● Post-Doc

European Institute on Economics and the Environment. Milan, IT.

Sep 2020 - Sep 2022

- Applied econometrics and causal inference.
- scientific support to institutional activities.
- Study the relationship between digitalization and the environment

● Research Associate

German Institute of Economic Research (DIW Berlin). Berlin, DE

Apr 2017 - Sep 2020

- 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.

● Research Associate

Hertie School of Governance

Nov 2019 - Aug 2020

- Study the relationship between daylight savings and transit patterns.

● Business Executive

Banco del Bajio SA

Sep 2012 - Sep 2015

- Financial advice to small and midium-sized companies

Teaching

- **Environmental Economics and Policy**
Winter 2023 (Upcoming)
● **University of Bologna**
- **Environmental Economics and Policy**
Spring 2023
● **University of Bologna**
- **Applied Econometrics for Energy and Environmental Economics**
Summer (2020)
● **Berlin Institute of Technology**
- **Applied Econometrics for Energy and Environmental Economics**
Summer (2019)
● **Berlin Institute of Technology**

Languages

Spanish	●	●	●	●
English	●	●	●	●
Italian	●	●	●	○
German	●	●	○	○

Latest Conferences

- **ICEE World Conference**
Cagliari, IT. Spring 2023
- **IAERE Annual Conference**
Napoli, IT. Winter 2023
- **EAERE Annual Conference**
Rimini, IT. Summer 2022
- **Mannheim Conference on Energy & the Environment**
Manheim, DE. Summer 2022
- **Berlin School of Economics Workshop on Environmental Policies and Equity**
Berlin, DE. Spring 2022

References

Massimo Tavoni - RFF-CMCC:EIEE
Director - massimo.tavoni@eiee.org

Christian von Hirshhausen - TU Berlin
Professor - cvh@wip.tu-berlin.de

Juan Rosellon - CIDE Mexico
Professor - juan.rosellon@cide.edu

Claudia Kemfert - DIW Berlin
Professor - sekretariat-evu@diw.de

Publications

- Sarmiento, Luis (2023)
The Nonlinear Effects of Pollution on Crime: Evidence from Mexico City and New York.
Environmental Research - Health 1(2), p.021001
- Sarmiento, Luis (2021)
Air Pollution and the Productivity of High-Skill Labor: Evidence from Court Hearings
Scandinavian Journal of Economics 124: 301-332
- Sarmiento, Luis, et al. (2021)
Mexico and US Power Systems Under Variations in Natural Gas Prices
Energy Policy, 151, 113378
- Giarola, Sara, et al. (2021)
The Role of Energy Storage in the Uptake of Renewable Energy: A Model Comparison Approach
Energy Policy, 151, 112159
- Gabela, J.G.F. and Sarmiento, L. (2020)
The Effects of the 2013 Floods on Germany's Road Freight Traffic
Transportation Research Part D, S.1022774
- Sarmiento, Luis, et al. (2021)
Analysing Scenarios for the Integration of Renewable Energy Sources in the Mexican Energy System
Energies, 12.17, 3270

Under Review

- Luis Sarmiento, Nicole Wägner, and Aleksandar Zaklan
Effectiveness, Spillovers, and Well-Being Effects of Driving
R&R
Journal of Public Economics
- Luis Sarmiento, Raul Gutierrez, and Juan Rosellon
The Effect of Changing Marginal Cost to Physical Order Dispatch in the Power Sector
R&R
Economics of Energy and Environmental Policy
- Luis Sarmiento and Adam Nowakowski
Air Pollution and Court Decisions: Evidence from Ten Million Penal Cases in India
R&R
Environmental and Resource Economics
- Luis Sarmiento, et al.
Make Sure the Kids Are OK: Indirect Effects of Air Pollution on Well-Being
Under Review
Nature Sustainability
- Luis Sarmiento & Yeong-Jae Kim
The Air Quality Effects of Uber
Under Review
Journal of Environmental Economics and Management