## Dr. Luis **Sarmiento Economist**

- luissarmiento.net
- @ gsaabogado@gmail.com
- **1** +49 030 897890
- ♥ Via Bergognone, 34, 20144 Milan MI, Italy

I am an environmental and energy economist with a focus on applied econometrics and energy modeling. Current research encompasses examining the effect of air pollution, air pollution control mechanisms, and extreme weather events in several realms of human affairs like labor supply, productivity, health, and well-being. Additionally, I study public policies for the renewable transition of energy systems and the dynamics between digitalization and the environment.



## PROFESSIONAL EXPERIENCE

### Present

### Post-doctoral Researcher

### September 2020

RFF-CMCC: European Institute in Economics and the Environment 🗹

- > Study the relationship between the transportation sector, digitalization, and the environment.
- > Applied econometric projects on air pollution, air pollution control policies, and natural disasters.
- > Scientific support on institutional projects.

Microeconometrics Data Science Analysis of Public Policies Agent Base Models

# April 2021

### Research Associate

## April 2017

German Institute of Economic Research (DIW, Berlin)

- > Research and publication of scientific articles in the realm of energy and environmental economics.
- > Research projects on the effects of air pollution and air pollution control policies on productivity, health, and well-being.

Microeconometrics Numerical models Renewable Transition Data Science Analysis of Public Policies

# August 2020

### November 2019

Research Associate

### Hertie School of Governance

> Study the relationship between day-light savings and transit patterns.

Microeconometrics Data Science Analysis of Public Policies

## September 2012 September 2014

### Small Busieness Executive

### Banco del Bajio 🗹

> Financial advice to small and medium-size companies; corporate and business loans, letters of credit, corporate leasing, and financial factoring.

Financial Platforms | Client relations | Financial Instruments



### EDUCATION

#### 2017 - 2020Doctor in Economics (Summa Cum Laude)

## Berlin Institute of Technology 🗹

Dissertation: An econometric analysis of environmental phenomena

Committee:

- > Prof. Dr. Axel Werwatz (chair)
- > Prof. Dr. Christian Von Hirschhausen
- > Prof. Dr. Christian Traxler

### 2014 - 2016

MSc. in Economics and Management

### Humboldt University of Berlin 🗹

Dissertation: Electricity production from renewable sources in Mexico: A time-series analysis

Supervisor: Professor Dr. Franz Hubert

### 2007 - 2012

## Bachelor in International Business

### University of Lasalle Bajio 🗹

Dissertation: A project of foreign direct investment between Mexico and Colombia

Supervisor: Professor Msc. Luis Villegas

# RESEARCH INTERESTS

**Environmental Economics** Econometric analyses on the effect of environmental externalities on different aspect

of human affairs like health, productivity, and well-being

**Energy Economics** Design and implementation of optimization models assess public policies for the de-

carbonization of energy systems

**Digitalization and the Environment** Analysis of the Inter-dependencies between the transportation sector, digitalization,

and the environment

# Journals Referee

- > Economics of Energy and Environmental Policy (EEEP)
- > Energy Policy (EP)
- > Energy Economics (EE)
- > The Review of Economic Studies (ReStud)
- > Journal of the European Economic Association (JEEA)

# **m** Teaching Experience

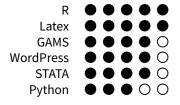
> Teaching assistant of applied econometrics: Infratrain 2019, Berlin Institute of Technology	2019
> Teaching assistant in instrumental variables design: Infratrain 2018. Berlin Institute of Technology	2018

# **₹** Conferences and Presentations

> CMCC Annual Conference : Lecce, Italy	2021
> EAERE 2020 Annual Conference : Berlin, Germany	2020
> Verein für socialpolitik, annual conference : Leipzig, Germany	2019
> EAERE 2019 Annual Conference : Manchester, U.K.	2019
> 7th Latin American Energy Economics Meeting : Buenos Aires, Argentina	2019
> 6th World Congress of environmental and resource economists : Götheborg, Sweden 2018	2018
> The annual meeting of the Latin American and Caribbean Economic Association : Guayaquil, Ecuador	2018
> Essen Health Conference 2017 : Essen, Germany 2017	2017
> 7th Mannheim Energy Conference : Mannheim, Germany	2017
> 15th IAEE European Conference : Vienna, Austria	2017

# Languages





## Accepted Manuscripts

Waiting for my Sentence : Air Pollution and the Productivity of Court Rulings & Luis Sarmiento

Scandinavian Journal of Economics, 2021, In print

Mexico and U.S. Power Systems Under Variations in Natural Gas Prices %

With Juan Rosellón , Sauleh Sidiqui , Max Brown , Avraam Charalampos , Anahi Molar , Baltazar Solano

Energy Policy, 2021, 151, 113378

The role of energy storage in the uptake of renewable energy: a model comparison approach % With Sara Giarola, Kathleen Vaillancourt, Max Brown, Anahi Molar, Ivan Garcia Kerdan

Energy Policy, 2021, 151, 112159

The effects of the 2013 floods on Germany's road freight traffic % With Julio Fournier
Transportation Research Part D: Transport and Environment, 2021, S. 102274
Analyzing Scenarios for the Integration of Renewable Energy Sources in the Mexican Energy System & With Thorsten Burandt, Konstantin Löffler, and Pao-yu Oei Energies 12.17 (2019): 3270
─────────────────────────────────────
The air quality effects of Uber %
RFF Working Paper (21-34)
Effectiveness, Spillovers, and Well-Being Effects of Driving Restriction Policies % With Aleksandar Zaklan, Nicole Waegner
RFF Working Paper (21-13)
Make Sure the Kids are OK: Indirect Effects of Ground-Level Ozone on Well-Being & With Aleksandar Zaklan, Nicole Waegner, Julia Rechliz
DIW Discussion Paper Series No 1877 , 2020
The Effect of Extreme Temperatures on Mortality : Heterogeneous Effects Across Different Labor Groups %  With Thomas Longden
Crawford School of Public Policy Working Paper No. 2009
The effect of changing marginal-cost to physical-order dispatch in the power sector &  With Juan Rosellón and Raúl Gutierrez
RFF Working Paper (21-19)
I am Innocent : The Effect of Urban Pollution on Crime Behavior %  Luis Sarmiento
DIW Discussion Paper Series No 1879 , 2020
□ Ongoing Projects
Air quality alerts and school absences : Evidence from New York City  Luis Sarmiento
The Impact of Electricity Transmission Infrastructure on Households' Well-Being % With Aleksandar Zaklan, Alexander Zerrah, and Alexander Roth
Google It, Broadband Infrastructure and Economic Activity — the Case of Senegal  With Maximilian Schaefer  05-05-2022

Kurzarbeit and the 2013 European floods: How effective are short-time working allowances in avoiding unemployment? With Julio Fournier