

Antonio Avila-Uribe

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EDUCATION

MPhil/PhD in Economic Geography

London School of Economics and Political Science (LSE)

Sep. 2020 – Jul. 2024

London, UK

MSc Applied Social Data Science

London School of Economics and Political Science (LSE)

Sep. 2019 – Sep. 2020

London, UK

- *Distinction*

Master in Economics (M1)

Toulouse School of Economics (TSE)

Sep. 2017 – Jun. 2018

Toulouse, France

- *Insigni Cum Laude*
- **GPA:** 15.3 / 20, top 10 of the promotion (42 students)

BSc Economics

Pompeu Fabra University (UPF)

Sep. 2014 – Jun. 2018

Barcelona, Spain

- **GPA:** 8.6 / 10, top 10 of the promotion (140 students).
- **Officially recognised as:** BSc Economics by Université Toulouse Capitole (UT1), with *Suma Cum Laude*.

EXPERIENCE

Graduate Teacher Assistant

London School of Economics and Political Science (LSE)

Oct. 2021 – Apr. 2024

London, UK

Plan, assist, and present practical seminars and selected lectures of statistical methods in two classes:

- **Techniques of spatial economic analysis:** A master-level class on advanced econometric spatial analysis. (*LSE class teacher awards 2023*)
- **Introduction to geographical research:** First-year undergraduate course that introduces core statistical concepts.

Graduate Research Assistant

London School of Economics and Political Science (LSE) - GRI

Oct. 2020 – Jan. 2021, Jul. 2021 – Dec 2022

London, UK

Performed literature reviews, theoretical modelling and econometric analysis for two academic projects. My contributions were significant enough to be included as a co-author of the resulting publications.

- **Project 1:** Performed descriptive and econometric analysis on the adaptation to climate change among female-led enterprises in sub-Saharan Africa. (Working paper)
- **Project 2:** Designed a new theoretical model of air pollution vulnerability and helped manage a survey of over 1500 respondents in London and Birmingham. (Working paper)

President of *Periodo Solidario*

Periodo Solidario - PeriodoSolidario.org

Dec. 2018 – Present

Barcelona, Spain

Lead nonprofit association that advocates for women's health and hygiene, providing cheaper and eco-friendly products to low-income communities and educating on their awareness and use.

- Define the association's objectives and strategic plan.
- Coordinate the economic activity and the work of our small wholesales team.
- Build partnerships with associations in developing countries, international providers and sales partners.

Geospatial Data Scientist

505 Economics

Jun.– Dec. 2021, Jul.– Aug. 2022

London, UK

I helped construct a global database of local-level Human Development Index, Life Expectancy and Educational attainment (94.836 regions, 20 years, [link](#)). This was done with a downsampling method developed by myself and proved high out-of-sample accuracy.

Graduate Research Intern

Banco de España (BDE) - Research Department

Aug.– Sep. 2020, Aug.– Sep. 2021

Madrid, Spain

Conducted independent research on the effect of environmental policies and changes in pollution levels on economic outcomes under the supervision of Laura Hospido.

- Looked at the effect of German Low Emission Zones on their local GDP with a Synthetic Control Method.
- Planned a project to estimate the effect of air pollution (PM_{2.5}) concentrations on US' GDP.

Graduate Research Assistant*Pompeu Fabra University (UPF)*

Sep. 2018 – Feb. 2019

Barcelona, Spain

Planned, and conducted econometric analyses for a paper on the effects of political uncertainty on birth outcomes by Ainoa Aparicio and Libertad González (currently published at doi.org/10.1002/hec.4201).

- Performed data research and preparation from historical surveys and large databases (>1.5 million observations).
- Conducted advanced causal econometric modelling, analysis and presentation of results with Stata (IV panel data).
- Analysed geospatial data and created the cartographic elements of the paper.

Research Assistant*Toulouse School of Economics (TSE-IDEI)*

Mar. – Jul. 2018

Toulouse, France

Supported Professor Arnaud Reynaud by analysing data for a study commissioned by the Government of Andorra to estimate the causal effect of public water price variation on households and businesses' consumption.

WORK IN PROGRESS

“The effect of air pollution on US aggregate production”| *WP available at avila-a.github.io/cv/US_PM2_5_WP_PMsmoke.pdf*| *LSE Geography and Environment Discussion Paper Series (39)***“The role of gender in firm-level climate change adaptation behaviour:****Insights from small businesses in Senegal and Kenya”**| *With Kate Gannon, Shaikh Eskander and Elena Castellano***“The effect of Low Emission Zones in local production: The case of German cities”**| *Working paper available upon request***“Putting Low Emission Zones (LEZs) to the test: the effect of London's LEZ on education”**| *With Sefi Roth and Brian Shields*| *Available as Grantham Research Institute' WP No. 411***“Strategic Air Pollution Monitoring: A European review”**| *Working paper available upon request***“Incorporating behaviour into an air pollution vulnerability framework and evidence review”**| *With Anomitra Chatterjee, Daire McCoy, and Ganga Shreedhar***PRESENTATIONS AT CONFERENCES**

“The effect of Low Emission Zones in local production: The case of German cities”↪ | *EAERE, Rimini* 29 June 2022| *LSE-Imperial College Workshop in Environmental Economics* 20 June 2022| *Global Conference on Economic Geography, Dublin* 9 June 2022**“The effect of Air Pollution on US aggregate production”**↪ | *Environment Day, LSE* 2 May 2023| *XXI Mannheim Conference on Energy and the Environment, ZEW* 9 May 2023| *European Economic Association - ESEM, Barcelona* 31 October 2023**COURSES & CERTIFICATIONS**

Statistical Learning online course | *Stanford University, US*

August 2019

Advanced Quantitative Methods diploma | *UPF, Barcelona, Spain*

November 2017

*“For a high specialisation level in theoretical content and quantitative methods”***Scientific Writing course** | *ICM, Barcelona, Spain*

September 2015

36 hours of lectures

GRANTS & SCHOLARSHIPS

Highly Commended at the LSE Class Teacher Awards <i>LSE</i>	May 2023
Full Scholarship for studies in Economics <i>"La Caixa" Foundation</i>	April 2022
Full Scholarship for studies in Economics - 2 years <i>Banco de España (BdE)</i>	March 2019
Erasmus Internship grant <i>Spanish Ministry of Education</i>	March 2018
MOBINT Scholarship <i>AGAUR - Catalan regional government</i>	March 2017
Erasmus Scholarship <i>Spanish Ministry of Education</i>	March 2017

SKILLS

Languages: English (fluent), Spanish (fluent), Catalan (fluent, C1), French (B2)
Programming languages: Stata, R, Python, SQL, HTML, Matlab
Software: ArcGIS, QGIS,