

Antonio Avila-Urbe

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EDUCATION

- MPhil/PhD in Economic Geography** Sep. 2020 – May. 2024
London School of Economics and Political Science (LSE) London, UK
- MSc Applied Social Data Science** Sep. 2019 – Sep. 2020
London School of Economics and Political Science (LSE) London, UK
- *Distinction*
 - **Thesis:** “The effect of Low Emission Zones in the local economy: A synthetic control approach to German cities.”
- Master in Economics (M1)** Sep. 2017 – Jun. 2018
Toulouse School of Economics (TSE) Toulouse, France
- *Insigni Cum Laude*
 - **GPA:** 15.3 / 20, top 10 of the promotion (42 students)
- BSc Economics** Sep. 2014 – Jun. 2018
Pompeu Fabra University (UPF) 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** Jan. 2022 – Present
London School of Economics and Political Science (LSE) London, UK
- Plan and present practical seminars and selected lectures where we review and apply statistical methods in two classes:
- **Techniques of spatial economic analysis:** A master-level class on advanced econometric spatial analysis.
 - **Introduction to geographical research:** First-year undergraduate course that introduces core statistical concepts.
- Graduate Research Assistant** Oct. 2020 – Jan. 2021, Jul. 2021 – Present
London School of Economics and Political Science (LSE) - GRI 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*** Dec. 2018 – Present
Periodo Solidario - PeriodoSolidario.org 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** Jun.– Dec. 2021, Jul.– Aug. 2022
505 Economics London, UK
- I constructed a global database of local-level Human Development Index, Life Expectancy and Educational attainment (94.836 regions, 20 years). This was done with a method developed by myself and proved high out-of-sample accuracy.
- Graduate Research Intern** Aug.– Sep. 2020, Aug.– Sep. 2021
Banco de España (BDE) - Research Department 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***“Strategic Air Pollution Monitoring: A European review”**| *Working paper available upon request***“The effect of Low Emission Zones in local production: The case of German cities”**| *Working paper available upon request***“Putting London’s Low Emission Zone to the Test: The effect on educational outcomes”**| *With Sefi Roth***“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

Same | *LSE-Imperial College Workshop in Environmental Economics*

20 June 2022

Same | *GCEG, Dublin*

9 June 2022

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**

Full Scholarship for studies in Economics | *“La Caixa” Foundation*

April 2022

Full Scholarship for studies in Economics - 2 years | *Banco de España (BdE)*

March 2019

Erasmus Internship grant | *Spanish Ministry of Education*

March 2018

MOBINT Scholarship | *AGAUR - Catalan regional government*

March 2017

Erasmus Scholarship | *Spanish Ministry of Education*

March 2017

SKILLS

Languages: English (fluent), Spanish (fluent), Catalan (fluent), French (C1)**Programming languages:** Stata, R, Python, SQL, HTML