

# Antonio Avila-Uribe

A.Avila2@lse.ac.uk | antonioavilauribe.com | linkedin.com/in/antonio-avila



## EDUCATION

---

<b>MPhil/PhD in Economic Geography</b> <i>London School of Economics and Political Science (LSE)</i>	Sep. 2020 – Currently <i>London, UK</i>
<b>MSc Applied Social Data Science</b> <i>London School of Economics and Political Science (LSE)</i> <ul style="list-style-type: none"><li>• <i>Distinction</i></li></ul>	Sep. 2019 – Sep. 2020 <i>London, UK</i>
<b>Master in Economics (M1)</b> <i>Toulouse School of Economics (TSE)</i> <ul style="list-style-type: none"><li>• <i>Insigni Cum Laude</i></li><li>• <b>GPA:</b> 15.3 / 20, top 10 of the promotion (42 students)</li></ul>	Sep. 2017 – Jun. 2018 <i>Toulouse, France</i>
<b>BSc Economics</b> <i>Pompeu Fabra University (UPF)</i> <ul style="list-style-type: none"><li>• <b>GPA:</b> 8.6 / 10, top 10 of the promotion (140 students).</li><li>• <b>Officially recognised as:</b> BSc Economics by Université Toulouse Capitole (UT1), with <i>Suma Cum Laude</i>.</li></ul>	Sep. 2014 – Jun. 2018 <i>Barcelona, Spain</i>

## REFERENCES

---

<b>Olmo Silva</b>   <i>London School of Economics</i>   o.silva@lse.ac.uk	<b>Steve Gibbons</b>   <i>London School of Economics</i>   s.gibbons@lse.ac.uk	<b>Sefi J. Roth</b>   <i>London School of Economics</i>   s.j.roth@lse.ac.uk
---	--	--

## WORKING PAPERS

---

### Job Market Paper:

#### “The effect of air pollution on US aggregate production”

| *WP available at* [avila-a.github.io/cv/US\\_PM2.5\\_WP\\_PMsmoke.pdf](https://avila-a.github.io/cv/US_PM2.5_WP_PMsmoke.pdf)  
| *LSE Geography and Environment Discussion Paper Series (39)*

**Short abstract:** I estimate the effect of PM2.5 on U.S. county-level GDP from 2006-2018, using exogenous changes in ambient air pollution exposure from wildfire smoke. Findings diverge from results in Europe, showing no uniform negative effects. Notably, negative and economically sizeable effects are found in rural areas, on working days, and higher baseline pollution levels, particularly affecting trade and education sectors. The study affirms Clean Air Act benefits outweigh costs in rural GDP, suggesting further pollution reduction would be economically and politically viable, considering market costs alone.

#### “The effect of Low Emission Zones in local production: The case of German cities”

| *Working paper available upon request*

**Short abstract:** This study evaluates the economic impact of over 400 Low Emission Zones (LEZ) implemented in German cities since 2008. It finds that LEZs led to a 4.5% average reduction in local GDP, primarily due to decreased productivity and employment, without affecting total population. The structure of local economies shifted slightly away from industry towards public services and local commerce. The paper highlights the substantial, previously unaccounted costs to local economies due to LEZ restrictions, particularly affecting sectors reliant on high-polluting vehicles.

#### “Strategic Air Pollution Monitoring: A European review”

| *Working paper available upon request*

## WORK IN PROGRESS

---

**“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

**“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*

## TEACHING EXPERIENCE

---

**Graduate Teacher Assistant**

Oct. 2021 – Present

*London School of Economics and Political Science (LSE)*

*London, UK*

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

- **Techniques of spatial economic analysis:** Master-level course (*LSE teacher awards 2023*)
- **Introduction to geographical research:** First-year undergraduate course

## 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

## GRANTS & SCHOLARSHIPS

---

**Highly Commended at the LSE Class Teacher Awards** | *LSE* May 2023

**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

## PROFESSIONAL RESEARCH EXPERIENCE

---

**Graduate Research Assistant**

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

*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)

**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.

**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](https://doi.org/10.1002/hec.4201)).

- Performed data research and preparation from historical surveys and large databases (>1.5 million observations).

**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.

**OTHER PROFESSIONAL EXPERIENCE**

---

**President of *Periodo Solidario****Periodo Solidario - [PeriodoSolidario.org](http://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.

**ACADEMIC SERVICE**

---

Referee service for Behavioural Public Policy.

**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*

**SKILLS**

---

**Languages:** English (fluent), Spanish (fluent), Catalan (fluent, C1), French (C1)

**Programming languages:** Stata, R, Python, SQL, HTML, Matlab

**Software:** ArcGIS, QGIS,