

Jorge Alberto Guerra España

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INTERESTS	Political Economy, Regional Economic Development, Energy, and Fiscal Policy.	
EDUCATION	Universidad de los Andes , Bogotá, Colombia	
	<i>Department of Economics</i>	
	M.A., Economics	2022
	GPA: 4.7/5	2024
	B.A., Economics	2018
	GPA: 4.5/5	2022
	Universidad Nacional de Colombia , Bogotá, Colombia	
	<i>Department of Philosophy</i>	
	B.A., Philosophy	2018
	GPA: 4.2/5	2025
	Master Thesis Honors (grade: 4.75/5)	2024
	Department of Economics, Universidad de los Andes	
HONORS AND AWARDS	Winner of the Call for Papers – 35th Capital Markets Symposium	2024
	Banking and Financial Institutions Association of Colombia (Asobancaria)	
	Top scores in Economics in the national - Saber Pro exam (>99 th pctl)	2022
	National standardized assessments for higher education	
	Ministry of National Education	
	<i>Andrés Bello</i> National Academic Award - Saber 11 exam (402/500)	2017
ACADEMIC EXPERIENCE	National standardized assessments for high school exit assessments	
	Best exam results in the Department of Cesar	
	Ministry of National Education	
	PREDOCTORAL FELLOW	
	Harvard University , Cambridge, United States	
	Department of Political Economy	2026/07
	PI: Prof. Stefanie Stantcheva	Current
	- Support research in public, political, and social economics through survey experiments, AI-assisted interviews, data analysis, and research programming.	
	Georgetown University , Washington, DC, United States	
	Department of Economics	2025/06
	PI: Prof. Garance Genicot	2026/05
	<i>Pack-Crack-Pack: Gerrymandering with Differential Turnout</i> with Laurent Bouton, Micael Castanheira, and Allison Stashko.	
	RESEARCH ASSISTANT	
	King's College London , London, United Kingdom	
	Department of Political Economy	2024/10
	PI: Prof. Christel Kopp	2025/04
	- <i>The Impact of Populism on the Turnover of Chiefs of Independent Regulatory Agencies in Latin America: Evidence from Leaders between 2000 and 2024</i> with Prof. Camilo Gonzalez	
	Universidad de los Andes , Bogotá, Colombia	
	Department of Economics, School of Business, and School of Government	
	PI: Prof. Andrés Álvarez	2020/06
	- <i>The persistence of segregation in education: Evidence from historical elites and ethnic surnames in Colombia</i> with Prof. Juliana Jaramillo [Link]	2024/11

-Various projects and consultancies addressing the energy transition in Colombia, with Prof. [Hofstetter](#), [Zuleta](#) and [Zambrano](#).

PI: Prof. [Xavier Durán](#)

- *Why was the wheel (not) used in the Andes? A hypothesis explaining the slow adoption of wagon transport and evidence from nineteenth century Colombia*

2020/06

-Various projects and consultations related to technologic innovation, geography, economics, and transport economic history

2024/06

PROFESIONAL EXPERIENCE

CONSULTANT

Interamerican Development Bank

Fiscal Management Division

Development of econometric and AI models (xLSTM) focused on fiscal variables forecasting, risk prediction (debt, sovereign classification, climate change), and creating chatbots that scrape and compile fiscal news from LAC to interact with pretrained LLMs.

2022/07

2026/07

Competitiveness, Technology and Innovation Division / Connect Bogotá

Design and run surveys and interviews, analysis of the Colombian biotechnology market; design and execution of the impact evaluation of the BioB program; analysis of information from texts and videos through Machine Learning and NLP techniques.

2022/05

2023/02

Fundesarrollo

Quantitative and contextual support for socio-economic analyses of national and Caribbean regional trends in Colombia; contribution to energy studies focused on renewable and efficiency transitions; and design and nowcasting of economic activity for Barranquilla city.

2024/06

2025/06

INTERN

Ministry of Finance

Macroeconomic Policy Division – Real Sector Subdivision

Monitoring the real activity of the economy; conducting input-output simulations; preparing presentations and documents; and producing forecasts.

2021/06

2022/01

PUBLICATIONS

- *Why was the wheel (not) used in the Andes? A hypothesis explaining the slow adoption of wagon transport and evidence from nineteenth century Colombia* (with [Xavier Durán](#)). Journal of Economic History, Forthcoming September 2026. <https://doi.org/10.1017/S002205072610151X>

- *The fiscal cost of waste: procurement spending inefficiency in a General Equilibrium Framework* (with coauthors). International Economics, 187, 100728. <https://doi.org/10.1016/j.inteco.2026.100728>. 2026.

WORKING PAPERS

-*Autonomy, Control, and Performance in Subnational Public Organizations: Evidence from Colombia* (with Camilo Ignacio González). Currently under R&R in International Journal of Public Administration.

-*Staying in Power: How Does Political Continuity Shape Debt?* (with [Jaime Bonet](#) and Jhorland Ayala). Documentos de Trabajo sobre Economía Regional y Urbana – Banco de la República. [\[PDF Here\]](#). Currently under R&R in World Development.

Institutions over Borders: The role of frontier splits in regional development (with [Jaime Bonet](#) and [Jhorland Ayala](#)). Cuadernos de Historia Económica – Banco de la República. [\[PDF Here\]](#)

Flexible Boundaries: Evaluating the Effect of Escape Clause Activation (with [Carolina Ulloa](#) and [Oscar Valencia](#)). Bureau d'Économie Théorique et Appliquée BETA - Documents de travail. [\[PDF Here\]](#)

Inflation's Twist: The Non-linear Impact on Public Debt (with [Oscar Valencia](#), Gustavo Sanchez and Juan Díaz). Call For Papers 2024 – Asobancaria. [\[PDF Here\]](#)

WORK IN PROGRESS

Open innovation contest effectiveness and the role of demand and negotiation support (with [Xavier Durán](#), Master Thesis) [\[PDF Here\]](#)

Historical settlements and persistent inequality: Evidence from Afro-descendant populations in Colombia (with [Juan Camilo Cárdenas](#) and [Jose López](#))

Are Philosophers of Science Talking alone? A bibliometric analysis of science–philosophy dialogue (Bsc. Philosophy Thesis).

PEER REVIEW SERVICE

Interamerican Development Bank -Working Papers Series

TEACHING EXPERIENCE

TEACHING ASSISTANT

Universidad de los Andes, Bogotá, Colombia

Department of Economics, School of Business, and School of Government

-Macroeconomics I (Undergraduate)	2019
-Microeconomics III (Undergraduate)	2020
-Financial Analysis (Undergraduate)	2019, 2020
-Economic Analysis for Public Policy (Masters)	2020

SKILLS

Statistical

Causal Inference, Time Series, Machine Learning (supervised and unsupervised), Webscraping, and NLP.

Programming

Python (adv.), R, Stata and Matlab.

Languages

English (fluent) and Spanish (native).

GIS

ArcGis, QGIS and Geopandas (Python library).

CONFERENCES AND SEMINARS

- WhoGov Mini-Conference on Political Elites – Oslo, Norway	2026
- XVII CONGRESO COLOMBIANO DE CIENCIA REGIONAL – Medellín, Colombia	2025
- III Congreso Colombiano de Historia Económica y Empresarial – Medellín, Colombia	2025
-27th INFER Annual Conference – Rome, Italy	2025
- XIV Jornadas Iberoamericanas de Financiación Local – Asunción, Paraguay	2025
-83 rd Annual Midwest Political Science Association Conference - Chicago, USA	2025
-The Economics of Informality 2024 - Bogotá, Colombia	2024
-Congreso Anual Red Investigadores de Economía - Nuevas fronteras en Economía Regional y Urbana - Barranquilla, Colombia	2024
-Latin American Conference on Subnational Governance (LACSUG) - Cartagena, Colombia	2024

RELEVANT COURSES

Advanced Econometrics (4.7/5.0)	Master's Thesis (4.75/5)
Advanced Microeconomics (Game Theory) (4.5/5.0)	Topics in Machine Learning (Pass)
Causal Inference and Research Design (Pass)	

OTHER PUBLICATIONS

BOOKS AND BOOK CHAPTERS

Álvarez, A., Guerra, J., & Hofstetter, M. (Eds.). (Forthcoming 2026). *Retos económicos de la transición energética*. Bogotá: Ediciones Uniandes. Includes chapters by Guerra, J. (with coauthors): *Efectos nacionales de la transición energética*; *Efectos regionales de la transición energética*.

PRESS

-¿Impulsa el desarrollo la creación de nuevos departamentos? **El universal** [\[Link\]](#)

-New Index Helps Governments Design Better Escape Clauses to Bridge Fiscal Rigidity with Crisis Adaptability. **IADB Blogs** [\[Link\]](#)

-La propuesta para la transición energética desde los territorios más afectados. **Portafolio** [\[Link\]](#)

- ¿Por qué son tan altos los precios de los tiquetes aéreos para Valledupar? **El Pilón** [\[Link\]](#)

REFERENCES

Stefanie Stantcheva

Nathaniel Ropes Professor of Political Economy
Social Economic Lab
Harvard University
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Xavier Durán

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