

Alejandro Puerta-Cuartas

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Education

2022 – Present	PhD in Economics, <i>Universidad Carlos III de Madrid</i> .
2020 – 2022	MRes in Economic Analysis, <i>Universidad Carlos III de Madrid</i> . Top of the class
2017 – 2018	MSc in Economics, <i>Universidad EAFIT, Colombia</i> . Top of the class
2013 – 2017	BSc in Economics, <i>Universidad EAFIT, Colombia</i>

Academic Visits

Fall 2025	Visiting Research Student, International Inequalities Institute at the London School of Economics.
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Research interests

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- **Primary:** Applied Econometrics
 - **Secondary:** Theoretical Econometrics, Intergenerational Mobility, Development Economics

Job Market Paper

[Non-parametric Identification and Estimation of the Intergenerational Elasticity](#)

Abstract: The intergenerational elasticity (IGE) has traditionally served as the primary measure of income persistence across generations. However, its estimation has long been hindered by the unobservability of lifetime income. We address this challenge by first establishing the nonparametric identification of the IGE, leveraging family characteristics and partial income data under standard missing-at-random assumptions. We then derive a consistent estimator using Neyman-orthogonal moments. This approach delivers valid inference and resolves long-standing challenges in the comparability of IGE estimates across studies, time, and place. Using the Panel Study of Income Dynamics, we estimate an IGE of 0.69 for the United States.

Research and Publications

Journal Publications

- [“On the Effects of Wildfires on Poverty in Bolivia”](#), with Gustavo Canavire-Bacarreza and Andrey Ramos in *Journal of Development Economics* (2025).
- [“A spatial one-sided error model to identify where unarrested criminals live”](#), with Andrés Ramírez-Hassan in *Economic Modelling* (2025).
- [“Efficiency in Poverty Reduction in Bolivia”](#), with Gustavo Canavire-Bacarreza and Javier Beverinotti in *Journal of Policy Modeling* (2025).

- “Promoting academic honesty: a Bayesian causal analysis of an integrity pilot campaign”, with Andrés Ramírez-Hassan in **Education Economics** (2022).
- “Revisiting Tax Effort in Emerging Markets”, with Gustavo Canavire-Bacarreza, Maria Cecilia Deza and Osmel Manzano in **Public Finance Review** (2022).

Chapters in Books

- “Evaluating Educational Policies in Practice”, with Vedant Bhardwaj, and María Valkov in *Economics of Education* (**Springer Nature**, forthcoming)

Working Papers

- “Here Comes the Rain: Weather Shocks and Economic Outcomes in Ecuador”, with Gustavo Canavire-Bacarreza and Andrey Ramos. **R & R- World Development**.
- “Family Background and Economic Mobility: Evidence from the US”
- “An Inferential Framework to Reduce Climate Risk”, with Gustavo Canavire-Bacarreza, Carlos Rodriguez-Castelán, and Carolina Vélez-Ospina.

Contributions to Policy Reports

- “Poverty and Equity Assessment in Ecuador” (in Spanish), **World Bank** (2025).
- Series: “How to accelerate economic growth and strengthen the middle class” (in Spanish), **Inter-American Development Bank** (2020), covering: [Colombia](#), [Perú](#), [Ecuador](#), and [Bolivia](#).

Teaching Experience

Universidad Carlos III de Madrid

Teaching Assistant

Spring 2022, 2023, 2024	Econometrics II, MRes in Economic Analysis
Spring 2024	Econometrics, BSc in International Studies and Economics
Fall 2022, 2023	Introduction to Statistics, MRes in Economic Analysis
Fall 2022	Principles of Economics, BSc in Business and Technology
Fall 2021	Regional and Urban Economics, BSc in Economics; Public Economics, BSc in Law and Economics.

Universidad EAFIT

Teaching Assistant

Fall 2019	Advanced Statistical Methods, MSc in Data Science and Analytics
Spring 2018, 2019	Econometrics I, MSc in Economics
Spring 2018	Firm and Markets, MA in Economics
Fall 2017	Econometrics for Decision Making, MA in Economics

Instructor

Spring 2018, 2019; Fall 2018, 2019	Econometrics II, BSc in Economics
Spring 2019	Leveling Course in Econometrics, MSc in Finance
Fall 2018	Econometrics I, BSc in Economics

Professional Experience

2022 – 2024	Short-term Economics Consultant, World Bank.
2018 – 2020	Short-term Economics Consultant, Inter-American Development Bank.

Thesis Supervision

M.A. in Economics, Universidad EAFIT

- “Investment and Double Taxation in the Pacific Alliance: An Instrumental Variable Estimation”, Emilio Humberto D’paola Puche and Gino Paul D’paola Puche (Co-Advisor, 2018)

BSc in Economics, Universidad EAFIT

- “A VAR approach to marketing investment’s returns on Banking firms”, Tomas Arjona Molina (Advisor, 2019)
- “Determinants of the cattle price in Colombia”, Sebastián López Nieto (Co-Advisor, 2019)

Referee

- Labour Economics

Conferences, Seminars, Workshops and others

- The III at 10: New Directions in Inequality Research, London School of Economics (2025, upcoming)
- Econometrics Brown Bag Seminar, University College London (2025, upcoming)
- Simposio de la Asociación Española de Economía, London Universitat Autònoma de Barcelona (2025, upcoming)
- Early Career & PhD Workshop on Socioeconomic Mobility and Public Policies, Universidad de Alcalá (2025)
- Annual Conference of the International Association for Applied Econometrics, Università di Torino (2025)
- Italian Congress of Econometrics and Empirical Economics, Università di Palermo (2025)
- UC3M PhD Workshop 2022, 2023, 2024, 2025
- Econometric Games: 2021, 2022 (Final), 2023 (Team Leader, Final), 2024 (Team Leader, Final)
- Workshop on Climate Change and Inequality, London School of Economics (2024)
- ENTER Seminar, Stockholm School of Economics (2022).
- Workshop on High-Dimensional Data Analysis (online), Universidad Carlos III de Madrid (2021)
- LACEA-LAMES, Benemérita Universidad Autónoma de Puebla (2019)

Grants and Awards

- 2025 Opportunity, Mobility, and Inherited Inequalities PhD Visiting Grant, *International Inequalities Institute* at the *London School of Economics*
- 2022 FPI grant (PRE2022-102337), *Ministerio de Ciencia e Innovación*
- 2022 Extraordinary prize Master in Economic Analysis, *Universidad Carlos III de Madrid*
- 2020 Full scholarship to the Master's study, *Universidad Carlos III de Madrid*
- 2020 Full scholarship to the Master's study, *Universidad EAFIT*

Other Information

- Languages: Spanish (Native), English (Fluent), Italian (Fair)
- Programming: R, Python, MATLAB, Julia, Stata, Git, $\text{\LaTeX}$

References

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