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PhD Candidate and Graduate Research Assistant

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CONTACT INFORMATION

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RESEARCH AND TEACHING INTERESTS

Environmental and Natural Resources Economics, Development Economics, Public Economics, Applied Econometrics.

EDUCATION

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| 2024
(Expected) | Ph.D. Economics
GEORGIA STATE UNIVERSITY, Atlanta GA, USA.
<i>Dissertation: Essays on Environmental Economics</i>
<i>Advisor: Dr. Spencer Banzhaf</i> |
| 2016 | M.Sc. Economics
UNIVERSIDAD DE LOS ANDES, Bogotá, Colombia.
<i>Thesis: Estimación de la Demanda por Calidad de Aire en Bogotá – Una Aproximación por el Modelo de Precios Hedónicos para los Precios de la Vivienda. [Estimating the Demand for Air Quality in Bogota – An Approximation by the Hedonic Price Model for Housing Prices.]</i>
<i>Advisor: Fernando Carriazo.</i> |
| 2013 | B.A. Economics
UNIVERSIDAD DE LOS ANDES, Bogotá, Colombia. |

PUBLICATIONS

Journals

Austin, W., Carattini, S., Gomez-Mahecha, J., & Pesko, M. F. (2023). *The effects of contemporaneous air pollution on COVID-19 morbidity and mortality. Journal of Environmental Economics and Management*, 119, 102815. Available online at <https://bit.ly/3pVuCsd>

Maldonado J. H., Gomez-Mahecha J., León-Jurado V., Villa L & Rodríguez D. A. (2022). *Implementation of graduation programs for alleviating rural poverty: an impact analysis in Paraguay. Journal of Development Effectiveness*, DOI: 10.1080/19439342.2022.2153379. Available online at <https://bit.ly/3lQqsd1>

Carriazo, F., & Gomez-Mahecha, J. (2018). *The demand for air quality: Evidence from the housing market in Bogotá, Colombia. Environment and Development Economics*, 23(2), 121-138. DOI:10.1017/S1355770X18000050. Available online at <http://bit.ly/3Xdu7Ve>

Policy Briefs

Maldonado J. H., Gomez-Mahecha J. & Rosada T. (2015). *Rural development programmes and conditional cash transfers: examining synergistic effects in Latin America*. With Jorge Maldonado and Tomás Rosada (IFAD). *Policy in Focus: Social Protection, Entrepreneurship and Labour Market Activation*, 12(2), 30-32. ISSN: 2318-8995. Available online at <http://bit.ly/1KqE7O6>.

Books

Maldonado J. H., Moreno-Sánchez R., Gómez-Mahecha J. & León V. (comp.) (2016). *Protección, Producción, Promoción. Explorando sinergias entre protección social y fomento productivo rural en América Latina*. Ediciones Uniandes, Bogotá, Colombia.

Book Chapters

Maldonado J. H., Gomez-Mahecha J. & León V. (2016). *Sinergias entre políticas de protección social y proyectos de desarrollo rural: aproximación desde la literatura existente y la teoría*. In Maldonado J. H., Moreno-Sánchez R., Gomez-Mahecha & León V. (comp.) (2016). *Protección, Producción, Promoción. Explorando sinergias entre protección social y fomento productivo rural en América Latina*. Ediciones Uniandes, Bogota, Colombia.

WORKING PAPERS AND WORK IN PROGRESS

Working papers

Colombian Carbon Tax: Evidence of Carbon Pricing in Developing Countries.

Recently, Colombia implemented its first Carbon tax. In 2017, it became the 3rd country in Latin America to implement one and the 23rd in the world. Furthermore, its implementation is an example of how middle and low-income countries have started implementing this market-based strategy. This paper seeks to understand the effects of the Colombian tax on the emissions of CO₂ coming from various fossil fuels. I use several counterfactual estimators to identify the causal impact of the carbon tax on Colombia's CO₂ emissions per capita. I find conflicting evidence that the tax reform reduces Colombia's emission of CO₂ per capita. The preferred estimations suggest that the tax reduces, on average, around 0.13 mTon per year (7% with respect to Colombia's per capita emissions the year before the introduction of the tax). However, the results are not statistically significant.

Work in Progress

The Cost of Excluding the Coal from a Carbon Tax: The Colombian Case.

The “too near” effect of Urban greenway trails: The Case of Atlanta’s BeltLine.

RESEARCH EXPERIENCE

2022 – ...	GEORGIA STATE UNIVERSITY, Andrew Young School of Public Policy – Graduate Research Assistant at the Center for State and Local Finance (CSFL) <i>Dr. Peter Bluestone</i>
2018 - 2022	GEORGIA STATE UNIVERSITY, Andrew Young School of Public Policy – Economics Graduate Research and Teaching Assistant <i>Dr. Lorenzo Almada and Dr. Spencer Banzhaf</i>
2014 - 2018	CENTRO DE ESTUDIOS SOBRE DESARROLLO ECONÓMICO (CEDE), Universidad de los Andes Young Researcher and Research Assistant <i>Dr. Jorge Higinio Maldonado:</i> <ul style="list-style-type: none">- <i>Project Platform for Evaluation and Learning of the Graduation Program in Latin America. Funded by IDRC, Ford Foundation, Fundación Capital and UNIANDES.</i>- <i>Project Conditional Cash Transfer and Rural Development in Latin America. Funded by IFAD and UNIANDES.</i>- <i>Project Improving the Articulation between Social Protection and Rural Development Interventions in Developing Countries: Lessons from Latin America and Africa. Funded by IFAD and UNIANDES.</i> <i>Dr. Fernando Carriazo</i> <i>Project The demand for air quality: A case study in Bogotá- Colombia. Funded by LACEEP and CATIE.</i>
2013	CENTRO INTERNACIONAL DE AGRICULTURA TROPICAL (CIAT) Junior Consultant

TEACHING EXPERIENCE

Spring 2022	Principles of macroeconomics (undergraduate) – Instructor
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Summer 2020	GEORGIA STATE UNIVERSITY, Atlanta, U.S.A. Introduction to econometrics (undergraduate) – Summer’s instructor (online)
2014 - 2018	UNIVERSIDAD DE LOS ANDES, Bogota, Colombia. Introduction to Econometrics (undergraduate) – Teaching Assistant
2016	UNIVERSIDAD DE LOS ANDES, Bogota, Colombia. Consumer and Firm Theory (undergraduate) – Teaching Assistant

CONFERENCES AND SEMINARS

AQ ATL23 Symposium: “Urban Air Quality in The Age of Climate Change”. Presenting *The effects of contemporaneous air pollution on COVID-19 morbidity and mortality*. Interdisciplinary Health and Environment Leadership Development Program – IHELead. Georgia Institute of Technology, Atlanta – GA, USA. 2023

Camp Resources XXVIII, held in Asheville NC, USA. Presenting *Colombian Carbon Tax: Can we Learn Something new from Carbon Taxes in Developing Countries?* Funded by NC State University, RFF, IEc, GATECH, JEEM. Cambria Downtown Asheville Hotel, Asheville – NC, USA. 2022.

Latin American Studies Association – LASA 2018, held in Barcelona, Spain. Presenting *Evidencia de los efectos del programa Sembrando Oportunidades Familia por Familia – La adaptación del esquema graduación en Paraguay*, with Jorge H. Maldonado and Viviana León. Funded by LASA and UNIANDES. Barcelona, Spain. 2018

Global Science Conference 2015 – Climate Smart Agriculture, held in Montpellier, France. Participating in the poster session with the project *A two-dimension evaluation of CSA practices. Evaluating practices by indicators and reduce non-observable variable bias*, with Jorge Maldonado, Caitlin Corner Dolloff (CIAT) and Miguel Lizarazo (CIAT). Funded by CGIAR. CGIAR, Montpellier, France. 2015.

International Conference in Economics, Management and Accounting – ICEMA, held in Bucaramanga, Colombia. Panelist with the document *Propuestas para políticas de responsabilidad social de empresas petroleras en la altillanura colombiana*. Universidad Autónoma de Bucaramanga, Bucaramanga, Colombia. 2012.

GRANTS

Grant for the project *The demand for air quality: A case study in Bogotá- Colombia*, with Fernando Carriazo. Centro Agronómico Trópico de Investigación y Enseñanza (CATIE), Costa Rica. 2014

SCHOLARSHIPS/FELLOWSHIPS

E. D. (Jack) Dunn Fellowship, annual graduate fellowship for students with academic and research interests in public finance, financial regulatory policy impact on national, regional, and local economics, or public management. Andrew Young School of Policy Studies. Economics Department. April 2023.

The Jack Blicksilver Scholarship, awarded annually to a student who excels in economics. Andrew Young School of Policy Studies. Economics Department. April 2022.

Fulbright - ICETEX scholarship *Pasaporte a la Ciencia*. Sponsored by the United States Department of State and Colombian government. Since September 2017.

Scholarship for the course *VIII Environmental and Resource Economics Training Course - Valuation and Household Surveys*. LACEEP program hosted by CATIE. Held in Turrialba, Costa Rica, for three weeks during 2014 summer.

REFEREEING EXPERIENCE

Environmental and Resource Economics, Energy & Environment

SKILLS

QUANTITATIVE AND PROGRAMMING	Stata, Julia, R and GAMS.
GEOGRAPHIC INFORMATION SYSTEMS	ArcGIS, QGIS
LANGUAGES	Spanish (native), English (fluent) and Portuguese (fluent).

References upon request.

Version: May2023