

Hector A. Botello-Penaloza

School of Business, Norfolk State University, Norfolk, VA 23504

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Education

Washington State University <i>Ph.D. in Economics</i>	Pullman, WA <i>Spring 2026</i>
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Washington State University <i>Master of Science in Statistics</i>	Pullman, WA <i>Fall 2025</i>
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Universidad Nacional de Colombia <i>Master in Economic Science</i>	Colombia <i>April 2019</i>
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Universidad Industrial de Santander <i>Bachelor of Economics, Cum Laude</i>	Colombia <i>June 2012</i>
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Research Interests

Primary Fields: Development Economics, Health Economics, Applied Econometrics, Labor Economics, Public Economics, Spatial Analysis

Selected Publications

[Google Scholar Profile](#)

Journal Articles

- Botello, H. (2025). The Evidence From Internet Access and COVID-19 Vaccination Decisions in Peru. *International Social Science Journal*, 1–14.
- Botello, H. (2025). Examining the Relationship between Harsh Disciplinary Practices and Children's Learning Outcomes in Thailand. *Journal of Economic Development*, 50(1), 91–104.
- Botello-Peñaloza, H.A. (2021). Does the paradox of healthy immigrants apply in developing countries? *SN Social Sciences*, 1(8), 195.
- Botello-Peñaloza, H.A. (2021). How the coronavirus pandemic has affected gender wage inequality in Colombia. *Equidad & Desarrollo*, 1–23.
- Gutierrez, J.D., Martínez-Vega, R.A., Botello, H., et al. (2019). Environmental and socioeconomic determinants of leptospirosis incidence in Colombia. *Cadernos de Saude Publica*, 35, e00118417.
- Botello-Peñaloza, H.A., & Guerrero-Rincón, I. (2017). Conditions for rural women's empowerment in Colombia. *Entramado*, 13(1), 62–70.
- Botello-Peñaloza, H.A. (2016). Effect of bullying on reading performance in Colombia. *Zona Próxima*, 1–12.

- Botello-Peñaloza, H.A. (2015). Determinants of credit access for SMEs in Colombia. *Ensayos de Economía*, 25(46), 135–156.
- Botello, H.A., & Alba, A.L. (2014). The effect of motherhood on female wages in Latin America. *Semestre Económico*, 17(36), 13–37.
- Botello-Peñaloza, H.A., & Alba, A.L. (2014). The influence of ICT on academic performance: evidence from the PIRLS test in Colombia 2011. *Revista Academia y Virtualidad*, 7(2), 15–26.

For a complete list of publications, please visit my [Google Scholar Profile](#).

Book Chapters

- Botello, H. (2026). Rural-Urban Disparities in SME Access to Non-Banking Financing in Colombia Post COVID-19. In *Boosting Dynamic Capacity for SMEs in Volatile Environments* (pp. 187–204). IGI Global Scientific Publishing.
- Botello, H. (2026). Gender Disparities in Access to Non-Banking Financing for MMSMEs in Colombia Post COVID-19. In C.M. Montaudon-Tomas & I.N. Pinto-López (Eds.), *Reducing the Gender Gap in the Workplace* (pp. 281–316). IGI Global Scientific Publishing.
- Botello Peñaloza, H.A. (2019). Donations from Ecuadorian Firms: A Quantitative Analysis. In D. Ochnik (Ed.), *Selflessness in Business*. Vernon Press.
- Ruiz-Herrera, F.J., Botello-Peñaloza, H.A., & Marín-Díaz, N.A. (2014). Spatial convergence of local multidimensional poverty with a differential approach in Latin America. In S. Pérez Tello, A. Damián, & C. Salvadori Dedecca (Eds.), *Multidimensionalidad de la pobreza: Propuestas para su definición y evaluación en América Latina y el Caribe* (pp. 187–232). Consejo Latinoamericano de Ciencias Sociales.

Works in Progress

- Botello-Peñaloza, H.A. “Do Better Roads Reduce Emissions? Evidence from Colombia’s 4G Highway Program.”
- Botello-Peñaloza, H.A. “Spatial Spillovers, Structural Constraints, and Climate Shocks in Peruvian Agricultural Household Firms.”
- Botello-Peñaloza, H.A. “Vaccination and Labor Market Participation: Evidence from Peru’s COVID-19 Pandemic.”
- Botello-Peñaloza, H.A. “Household Dissolution and Women’s Economic Vulnerability During Crises: Evidence from Peru’s COVID-19 Experience.” *Accepted at the 2026 Work and Family Researchers Network Conference and Population Association of America 2026 Annual Meeting*.
- Botello-Peñaloza, H.A. “Pandemic Shocks and Agricultural Resilience in Ecuador: A Firm-Level Analysis of COVID-19 Impacts.” *Under review at American Journal of Agricultural Economics*.

Professional Experience

Norfolk State University
Assistant Professor of Business Analytics

Norfolk, VA
Aug. 2026 – Present

Universidad Industrial de Santander
Senior Researcher

Bucaramanga, Colombia
Mar. 2020 – Aug. 2021

United Nations Food and Agriculture Organization (FAO)
Consultant (Profesional misional en costos)

Bogotá, Colombia
Apr. 2019 – Mar. 2020

- Designed impact evaluation of nutrition programs using difference-in-differences methodology.
- Built data linkage systems connecting administrative health records with program participation.

Banco de la República (Central Bank of Colombia)
Senior Researcher, External Sector

Bogotá, Colombia
Nov. 2014 – Nov. 2016

- Analyzed monetary policy transmission mechanisms and business financing using time series econometrics.
- Applied vector autoregression models for policy impact assessment on the external sector.

Teaching Experience

Washington State University

Lead Instructor. Evaluation of 4.8/5.0

Pullman, WA

Fall 2023 – Spring 2025

- ECON 452: Advanced Business Management Economics (15 students, In-person, Fall 2024, Fall 2025)
- ECONS 555: Managerial Economics MBA (25 graduate students, Summer 2025)
- ECON 452: Advanced Business Management Economics (15 students, Online, Spring 2025)
- ECON 323: Labor Economics (33 students, In-person, Spring 2025)
- ECONS 321: Economics of Sports (13 students, In-person, Spring 2024)
- ECONS 327: International Trade & Finance (60 students, In Person, Fall 2023)
- I BUS 470: International Trade & Finance (8 students, Online, Fall 2023)

Washington State University

Teaching Assistant: Econometrics and Applied Methods

Pullman, WA

Spring 2022 – Spring 2023

- ECON 311: Econometrics, Spring 2023. (90 students)
- ECON 101: Microeconomics (110+ students per semester, In-person, Fall 2021, Spring 2022, Fall 2022)

Universidad Industrial de Santander
Researcher / Assistant Professor

Bucaramanga, Colombia
Dec. 2012 – Nov. 2014

- Taught courses in Monetary and Fiscal Policy.

Grants and Fellowships

- Graduate Students Fellowship, Colombian Institute for the Evaluation of Education (ICFES) (\$4,500), 2025
- SES Endowment for Sustainable Development (\$2,500), Washington State University, 2025
- Foley Graduate Summer Fellowship (\$1,000), 2025
- Alice O. Rice Graduate Fellowship, Foley Institute, 2025
- AAEA Travel Grant, 2025 AAEA & WAEA Joint Annual Meeting, 2025
- Felloni, Giorgio and Luisa SES Fellowship (\$1,500), Washington State University, 2024

Awards and Honors

- Winner at the 2025 AAEA Policy Communications Competition — Third Place, 2025
- Finalist, Three Minute Thesis Contest, Washington State University, 2026
- Latin American Federation of Banks (FELABAN) Best Research Award, 2018
- Inter-American Development Bank Innovation Network Best Research Award, 2018
- Best Research Award, Global Congress on Accounting and Finance, 2013
- Cum Laude Honor, Bachelor's Degree, Universidad Industrial de Santander, 2012

Recent Conference Presentations

- “Spatial Spillovers, Structural Constraints, and Climate Shocks in Peruvian Agricultural Household Firms.” 21st World Congress of the International Economic Association (IEA), Belgrade, Serbia, June 22–26, 2026.
- “Do Better Roads Reduce Emissions? Evidence from Colombia’s 4G Highway Program.” 21st World Congress of the International Economic Association (IEA), Belgrade, Serbia, June 22–26, 2026.
- “Vaccination and Labor Market Participation: Evidence from Peru’s COVID-19 Pandemic.” Oral presentation, Population Association of America (PAA) Annual Meeting, St. Louis, MO, May 2026.
- “Household Dissolution and Women’s Economic Vulnerability During Crises: Evidence from Peru’s COVID-19 Experience.” 2026 Work and Family Researchers Network (WFRN) Conference, Montreal, Canada (Forthcoming).
- “Household Dissolution and Women’s Economic Vulnerability During Crises: Evidence from Peru’s COVID-19 Experience.” Population Association of America (PAA) 2026 Annual Meeting, Dallas, TX (Forthcoming).
- “Pandemic Shocks and Agricultural Resilience in Ecuador: A Firm-Level Analysis of COVID-19.” 2025 AAEA & WAEA Joint Annual Meeting, Denver, CO, July 29, 2025.

- “Growing a Robust Data Science & Visualization Toolbox in Applied Economics.” Panelist. 2025 AAEA & WAEA Joint Annual Meeting, Denver, CO, July 29, 2025.
- “Impact of Government Conditional Cash Transfers on Household Health During COVID-19 in Peru.” Northwest Development Workshop, Reed College, Portland, OR, May 9, 2025.

Technical Skills

- **Causal Inference Methods:** Instrumental Variables, Difference-in-Differences, Regression Discontinuity, Propensity Score Matching, Fixed Effects, Panel Data Analysis, Synthetic Control Methods
- **Software & Programming:** R (advanced), Stata (advanced), Python (intermediate), L^AT_EX, Git
- **Data Analysis:** Large-scale household surveys, administrative data linkage, survey design and sampling

Professional Service and Memberships

Leadership

- Chair College Representative, Senator Graduate and Professional Student Association, WSU (2022–2026)
- International Peer Mentor Program, WSU (2022–2026)
- Graduate Advisor, Chess Club, WSU (2024–2026)

Referee Service

- The Journal of Health Care Organization, Provision, and Financing (2025)
- Cuadernos Latinoamericanos de Administración (2025)
- Revista Ciencias Sociales y Educación (2025, 2022)
- Revista Venezolana de Gerencia (2023)
- Revista de Métodos Cuantitativos para la Economía y la Empresa (2022)
- Semestre Económico (2022)

Professional Memberships

- Agricultural & Applied Economics Association (AAEA)
- American Economic Association (AEA)
- Latin American and Caribbean Economic Association (LACEA)

Other Service

- Judge, Showcase for Undergraduate Research and Creative Activities (SURCA), WSU (2026). Evaluated undergraduate research projects in Social Sciences and Economics; provided formal

feedback on methodology and presentation quality for 15+ student presenters.

- Presenter, GPSA Research Exposition (2022–2026)
- International Peer Mentor, WSU (2022–2026)

Languages

Spanish (native), English (fluent)

References

- **Dr. Jeffrey Luckstead** — Distinguished Professor of Agricultural and Resource Economics, Graduate Director, School of Economic Sciences, Washington State University.
jluckstead@wsu.edu (509) 335-1940
- **Dr. Bidisha Mandal** — Professor & Associate Director, School of Economic Sciences, Washington State University.
bmandal@wsu.edu (509) 335-7553
- **Dr. Mark Gibson** — Professor (Career Track), School of Economic Sciences, Washington State University.
mjgibson@wsu.edu (509) 335-7641
- **Dr. Ron Mittelhammer** — Regents Professor, School of Economic Sciences, Washington State University.
mittelha@wsu.edu (509) 335-1706