

JULIAN DIAZ-GUTIERREZ

CONTACT INFORMATION

University of Illinois Urbana-Champaign
Department of Agricultural and Consumer Economics
1301 W Gregory Drive
Urbana, IL 61801

☎: +44 7459 732894
✉: juliand3@illinois.edu
Website: jdiazgutierrez.nelify.app
Citizenship: Colombian

EDUCATION

University of Illinois, Urbana-Champaign Ph.D. in Agricultural and Applied Economics	<i>2020-2026 (expected)</i>
Universidad EAFIT , Colombia Master of Science in Economics	<i>2015-2016</i>
Universidad Santo Tomás , Colombia B.A. in Economics (with honors)	<i>2008-2012</i>

FIELDS OF RESEARCH

Primary: Health Economics, Development Economics, Labor Economics.
Secondary: Environmental Economics.

RESEARCH EXPERIENCE

University of Illinois, Urbana-Champaign Research and Teaching Assistant, Department of Agricultural and Consumer Economics	<i>2020-present</i>
The World Bank Research Analyst, Latin America and the Caribbean Chief Economist Office	<i>2017-2020</i>
The World Bank Consultant, South Asia Poverty Global Practice	<i>2016-2017</i>
Universidad EAFIT Research Assistant, Department of Economics	<i>2015-2016</i>
Centro de Estudios Regionales del Magdalena Medio (CER) Research Assistant	<i>2013-2014</i>

PUBLICATIONS

Canavire-Bacarreza, G., Diaz-Gutierrez, J. E., & Hanauer, M. M. (2018). Unintended consequences of conservation: Estimating the impact of protected areas on violence in Colombia. *Journal of Environmental Economics and Management*, 89, 46-70.

WORKING PAPERS

Automation, Economic Shocks, and Infant Mortality: Evidence from Mexico (Job Market Paper)

Abstract: In this paper, I investigate the impact of increased robotics in the United States on infant mortality rates in Mexico. Using a shift-share design that leverages variations in industrial robot usage and the employment composition of export-oriented *maquiladoras*, which predominantly employ

women, I find that regions with higher exposure to U.S. automation experienced a greater rise in infant mortality rates. The analysis shows that women in manufacturing faced more significant job losses than men, leading to reduced household income and access to employer-provided healthcare. This economic strain forced many women into self-employment, reducing time for childcare. Additionally, I present evidence suggesting that automation may increase risky behaviors, such as drinking and smoking, among uninsured women of childbearing age. These findings highlight the complex relationship between technological advancements and public health outcomes, emphasizing the need for policymakers to consider the cross-border effects of automation on global health and employment.

Trade Effects on Substance Abuse: Evidence from Colombia's Liberalization

Abstract: This paper investigates the effect of a structural tariff reform on substance abuse in Colombia. Using administrative data on the universe of emergency room visits and hospitalizations, I find that municipalities potentially more exposed to trade exhibit relative increases in total substance abuse. I show that these results are not explained by pre-trends in substance abuse rates, and that increases in substance abuse may be mediated by a stress channel through losses in the labor market. The findings hold when employing a broad array of robustness checks.

POLICY WORK CONTRIBUTIONS

Going Viral: COVID-19 and the Accelerated Transformation of Jobs in Latin America and the Caribbean (2020). Latin America and Caribbean Studies. Washington, D.C. World Bank.

The Economy in the Time of Covid-19 (2020). Latin America and Caribbean Semiannual Report . Washington, DC. World Bank.

WORK IN PROGRESS

The Impacts of U.S. Immigration Policy on Fertility in Mexico (with Mary Arends-Kuenning).

Long-Term Effects of Student Mobilizations on Academic Achievement and Labor Participation in Colombia (with Angelica Sanchez-Diaz).

Land Demining and Mental Health in Colombia.

SCHOLARSHIPS, GRANTS AND HONORS

ACDIS Summer Research Fellowship, UIUC (U.S. \$6,000) (2023)

Travel Grant, Department of ACE UIUC (U.S. \$500) (2022)

Latin American and Caribbean Environmental Economics Program Research Grant (U.S. \$7,500) (2016)

Latin American and Caribbean Environmental Economics Program travel grant (U.S. \$1,200) (2017)

Master's full scholarship at Universidad EAFIT (2015-2016)

Best second-year paper, Ph.D. program in Agricultural and Applied Economics, UIUC (2023)

Cum Laude Distinction, Universidad Santo Tomás (2012)

TEACHING EXPERIENCE

University of Illinois, Department of Agricultural and Consumer Economics

Teaching Assistant

- ACE 240: Personal Financial Planning (spring 2022, fall 2022, spring 2023, fall 2023, spring 2024)
- ACE 349: Risk Management and financial planning across the life cycle (spring 2023, spring 2024)
- ACE 449: Retirement and benefit planning (fall 2021, spring 2023, spring 2024)

CONFERENCES AND SEMINARS

2025-Midwest International Economic Development Conference,UIUC; International Policy and Development (IPAD) Workshop, UIUC; WELAC (LACEA) Workshop on Gender and Household Economics, Lima, Peru.
2024- International Policy and Development (IPAD) Workshop, UIUC
2023- AAEA Annual Meeting. Washington, DC
2018-6th World Congress of Environmental and Resource Economics. Gothenburg Sweden
2017-Latin American and Caribbean Environmental Economics Association (LACEEP). Viña del Mar, Chile.

SKILLS AND LANGUAGES

Statistical Programming	Stata, R, Python
Software & Tools	ArcGIS, QGIS, LaTeX, Excel
Languages	Spanish (native), English (proficient)

PROFESSIONAL SERVICE

Referee for Economic Analysis Review, Department of Economics, School of Economics and Business at Universidad Alberto Hurtado.

Graduate student coordinator, UIUC International Policy and Development workshop (2023-2024)

REFERENCES

Mary Arends-Kuenning Professor Department of ACE University of Illinois ☎ (217) 333-0753 ✉ marends@illinois.edu	William Ridley Associate Professor Department of ACE University of Illinois ☎ (217) 333-0057 ✉ wridley@illinois.edu	Julian Reif Associate Professor Department of Finance University of Illinois ☎ (217) 300-0169 ✉ jreif@illinois.edu
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