# Pedro E. Rodriguez

Website: perodmar.github.io
Phone: +1(628)252-8644
Email: perodmar@gwu.edu
Linkedin: linkedin.com/in/perodmar/
Twitter: twitter.com/perodmar/

**Office Contact Information:**
Monroe Hall 374
Economics Department
George Washington University
2115 G St. NW
Washington, DC 20052
+1(202)-994-6150

## Education:

PhD Economics, 3rd year student                                      2020 – 2025 (Expected)
George Washington University, Washington DC, United States
Fields: Development Economics & Urban Economics

MSc. Economics, *Distinction (highest honor)*                                      2017 – 2018
University of Essex, Colchester, England

B.A. Economics, *Magna Cum Laude*                                      2011 – 2015
Bryant University, Smithfield RI, United States

Econometrics Course, Brown University, Providence RI, United States                    Summer 2015

## Research Experience:

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| Summer 2022 | Sustainable Development Fellow, Water GP, World Bank, Washington DC |
| 2018 – 2020 | Research Fellow, Research Department, Inter-American Development Bank, Washington DC |
| Summer 2015 | RA for Nicole Freiner, Bryant University, Smithfield RI |
| Summer 2014 | RA for CIE, Universidad de las Américas, Quito, Ecuador |

## Teaching Experience:

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| Spring 2022 | TA for Irene Foster, Principles of Macroeconomics, George Washington University |
| Fall 2021&22/Spring 23 | TA for Daniel Mackay, Principles of Microeconomics, George Washington University |
| 2014 – 2015 | Tutor and Coordinator, Stata Lab, Bryant University |
| 2012 – 2015 | Tutor, Principles of Microeconomics, Bryant University |
| 2012 – 2015 | Tutor, Principles of Macroeconomics, Bryant University |

## Honors and Awards:

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| 2020 – 2025 | Graduate Assistantship, George Washington University |
| 2017 – 2018 | Merit-Based Academic Excellence Scholarship, University of Essex |
| May 2015 | Best Economics Undergraduate Thesis, Bryant University |
| May 2015 | Excellence Award (highest GPA of major, 1st/15), Bryant University |
| 2011 – 2015 | Merit-Based World Community Scholarship, Bryant University |

## Works in Progress:

1. The Long-Term Global Effects of Earthquakes on Urban Growth (joint with Remi Jedwab)
2. Police-Monitored Cameras and Crime: Evidence from Ecuador (joint with Andrea Aguirre and Patricio Dominguez)
3. Crime-Differential Responses to an Environmental Shock: Evidence from Chile (joint with Patricio Dominguez)
4. Access to Justice and Domestic Violence: Evidence from India's One-Stop Centers (joint with Ammu Lavanya)

## Contributions:

1. RA for "The effect of air pollution on student absenteeism" (Patricio Dominguez & Krista Ruffini): Downloaded hourly station level data on PM2.5, PM10, $CO_2$, $SO_2$, precipitation and wind-direction. Estimated school-day level pollution exposure using an inverse distance weighted strategy and the geocoded location of all schools in Chile using R. Merged school-day level student absenteeism rates and performed several reduced form analyses.

2. RA for "The Inequality Crisis: Latin America and the Caribbean at the Crossroads" (Chapter 3): Downloaded and homogenized survey data for several Latin American countries. Produced descriptive statistics and comparative graphs on perceptions of security, immigration, and education using Stata and R.

3. RA for project measuring intra-household spillover effects of incarceration in Trinidad & Tobago (Diego Vera): Created a panel matching incarcerated individuals to their households using last names, high school attended and county of residence using administrative data from Trinidad & Tobago.

4. RA for project mapping mobility patterns and exposure to pollution in Santiago, Chile. (Bridget Hoffman & Patricio Dominguez): Using origin-destination surveys I reconstructed hourly mobility patterns by socioeconomic status. Merged with hourly-level station level pollution data to measure exposure to pollution.

**Op-eds:**
1. [Ideas to safely reduce prison populations during the pandemic](#) (Ideas Matter – May 2020)
2. [Pandemic and prisons: What are the challenges for Latin American countries](#) (Ideas Matter – April 2020)

**Other Experience:**

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| June 2019 | Participant, Summer Institute in Computational Social Science (SICSS) |
| 2016 – Present | Founding Member, Relief Foundation ([www.teamrelief.org](http://www.teamrelief.org)) |
| 2016 – 2017 | Consultant, Actuarial Modeling Division, Actuaria Consultores, Quito, Ecuador |
| 2015 – 2016 | Programmer, Risk Analysis, National Council on Compensation Insurance, Boca Raton, FL |

**Computational:** R, ArcGis, Stata, Python, TeX.
**Language:** English (fluent), Spanish (native), Italian (beginner)

**References:**

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|---|---|---|
| Patricio Dominguez | Remi Jedwab | Paul Carrillo |
| Assistant Professor | Associate Professor | Professor |
| Industrial Engineering Department | Economics Department | Economics Department |
| Universidad Catolica de Chile | George Washington University | George Washington University |
| [pdomingr@ing.puc.cl](mailto:pdomingr@ing.puc.cl) | [jedwab@gwu.edu](mailto:jedwab@gwu.edu) | [pcarrill@gwu.edu](mailto:pcarrill@gwu.edu) |

Last Updated: March 2023