

Belicia Rodriguez

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EDUCATION

Emory University, College of Arts and Sciences

Aug 2017 — Dec 2020

Bachelor of Arts

Atlanta, GA

Major: Economics and Mathematics; Minor: English

Relevant Coursework: Mathematical Economics; Mathematical Statistics; Number Theory;

Abstract Vector Spaces; Multivariable Calculus; Differential Equations; Econometrics

New York University, Graduate School of Arts and Sciences

Aug 2021 — Present

Non-degree graduate mathematics student

New York, NY

Coursework: Linear Algebra (Fall 2021)

RESEARCH INTERESTS

Household and consumer finance, housing market, affordable housing, real estate, crime

PROFESSIONAL & RESEARCH EXPERIENCE

Federal Reserve Bank of New York

Jan 2021 — Present

Research & Community Development Analyst

New York, NY

Assist economists on academic research and policy projects in the Household and Public Policy research group and provide analytical support on reports in the Community Development outreach group. Specialized in using the [New York Fed Consumer Credit Panel](#) (4.8+ billion rows). Projects included tracking household equity and debt for mortgage borrowers, assessing the impact of Alzheimer's on credit outcomes, creating zip-code level suburban and urban definitions to understand regional house price growth, comparing credit outcomes amongst income groups, creating regional maps of flood risk, and mapping broadband affordability and access within the U.S. northeast and territories.

Emory Summer Undergraduate Research Experience

May 2020 — July 2020

Research Assistant

Atlanta, GA

Created social networks from web-scraped text data and utilized natural language processing in Python to assist with research on co-authorship networks from top-five general interest economics journals. Presented weekly on research progress and findings to SURE mentor and project stakeholders.

Emory Scholarly Inquiry and Research Experience Program Sept 2018 — Dec 2018
Research Assistant *Atlanta, GA*
Cleaned and analyzed survey data for projects on the gender differences in state legislator's career aspirations and on the effectiveness of United Nations refugee assistance program in Lebanon.

PUBLICATIONS (non-reviewed)

The State of Low Income America: Credit Access & Debt Payment with Claire Kramer Mills and Joelle Scally. *New York Fed Research & Community Development joint-report*. This report examines the ability of households in different income brackets to access and keep current on debt obligations during the pandemic and recovery. [March 2022](#).

Does the Rise in Housing Prices Suggest a Housing Bubble? with Andrew Haughwout. *New York Fed Liberty Street Economics*. This post provides a more detailed look at the recent rise in home prices by breaking it down geographically, with a comparison to the pre-2007 bubble. Liberty Street Economics Top 5 Post of 2021. [September 2021](#).

If Prices Fall, Mortgage Foreclosures Will Rise with Andrew Haughwout. *New York Fed Liberty Street Economics*. This post looks at the potential risks to financial stability by comparing the currently outstanding stock of mortgage debt to the period before the financial crisis and projecting defaults should prices decline. [September 2021](#).

PRESENTATIONS

Emory Summer Undergraduate Research Experience Program Symposium, Atlanta, GA, July 2020. Rodriguez, Belicia. "It's a small world after all: co-authorship networks in academic publishing in economics" ([poster and presentation writeup](#))

ADDITIONAL WORK EXPERIENCE

Emory Pathways to Academic and Student Support Program Jan 2020 — Dec 2020
Peer Tutor *Atlanta, GA*
Reviewed practice problems and course content over 10 undergraduate students one-on-one in Intermediate Microeconomics/Macroeconomics for one-hour sessions at least six times a week.

Emory Oral History Program July 2019 — July 2020
Program Assistant *Atlanta, GA*
Transcribed interviews of Emory students, staff, and other members of the Emory community that will be preserved in the library and promoted the program through tabling and class talks.

COMMUNITY INVOLVEMENT

Emory Wheel Newspaper

Sept 2017 – Oct 2018

Senior News Staff Writer

Atlanta, GA

Wrote [36 articles](#) for the weekly newspaper covering student government meetings, Emory campus events, and Emory's connection to the greater Atlanta area. Conducted phone and in-person interviews for articles about Emory organizations and student body.

Let's Get Ready

June 2018 – Aug 2018

Coach (Mentor and Teacher)

New York, NY

Taught SAT Math topics and test taking skills to 12-15 rising high school seniors for three hours twice a week and lead discussions about the college application process.

TECHNICAL SKILLS

Proficient in **R, SQL, Python, STATA, Excel, LaTeX, Shell Scripting, Linux terminal**

Familiar with **Tableau, ArcGIS, C, Java, AWS, Microsoft Azure**

CERTIFICATES

[Introduction to Data Science with Python](#) (University of Michigan)

Google Data Analytics (4/8 courses completed)

LANGUAGES

Spanish (limited working proficiency)