

ALEJANDRO M. OUSLAN

EDUCATION

University of Puerto Rico, Mayagüez

B.A. in Economics GPA: 3.50

Mayagüez, PR

Aug. 2019 – May 2024

Howard University

AEA Summer Program GPA: 3.50

Washington, DC

May 2023 – Jul 2024

University of Puerto Rico, Mayagüez

M.S. in Statistical Mathematics GPA: 3.24

Mayagüez, PR

Aug. 2024 – Present

EXTRACURRICULAR ACTIVITIES

Student Money Association

Student Advisor

Sept. 2023 – Jun. 2024

Mayagüez, PR

- Assisted students in developing personalized budgets and improving financial literacy.
- Promoted campus-wide awareness of responsible money management.

Economics Student Association

Treasurer

Sept. 2022 – Present

Mayagüez, PR

- Managed the association's annual budget and tracked expenditures.
- Organized fundraising events to support student activities and conferences.

University of Salamanca

Guest Lecturer

Sept. 2022 – Present

Salamanca, Spain

- Delivered a workshop on Data Science and Research Automation for political science students.
- Taught web scraping and API integration in Python to create reproducible reports.

EXPERIENCE

RUMbo EX, UPRM

Statistics and Economics Tutor

Sept. 2021 – Sept. 2022

Mayagüez, PR

- Tutored undergraduate students in Microeconomics, Macroeconomics, Calculus I, Statistics I & II, and Engineering Economic Analysis.
- Provided 1-on-1 and group sessions with tailored study plans.

AEASP, Howard University

AEA Scholar

May 2024 – Jul 2024

Washington, DC

- Conducted research with the U.S. Census Bureau on travel time and road infrastructure.
- Used Spatial Regression to explore regional disparities across U.S. PUMAs (2012–2019).

LEADING Hispanics, USDA

Research Assistant

Sept. 2023 – Aug. 2024

Mayagüez, PR

- Studying the correlation between food deserts and the prevalence of chronic diseases.
- Analyzing spillover effects of proximity to food deserts using spatial econometrics.

Experimental Agriculture Station, UPRM

Lead Developer

June 2024 – Present

Mayagüez, PR

- Leading a team of 5 engineers to develop web platforms for agricultural research.
- Created digital forms to collect detailed survey data from farmers.
- Built an interactive map estimating caloric intake by county in Puerto Rico.

Puerto Rico Planning Board

Lead Developer

June 2024 – Present

Mayagüez, PR

- Managing a team of 15 engineers to build data pipelines for economic indicators.
- Automated ingestion of data into SQL databases in monthly, quarterly, and yearly formats.
- Developed CI/CD pipelines for containerized applications using Docker and Nix.

AWARDS & PUBLICATIONS

Departmental Research Medal

University of Puerto Rico, Mayagüez

- Recognized for excellence in undergraduate research and GPA above 3.5.

Aug. 2023

Mayaguez, PR

2nd Place, Agricultural Economics Conference

University of Puerto Rico

- Awarded for best research in economics at the master's level.

June 2025

San Juan, PR

X Jornadas Internacionales de Enseñanza

University of Salamanca

- Wrote about the importance utilizing more sophisticated tools like python and SQL
- DOI: doi.org/10.14201/0AQ0368

July 2023

Spain

Economic Report to the Governor

Puerto Rico's Planning Board

- Conducted research on sustainable agriculture practices in Puerto Rico.

May 2024

San Juan, PR

SKILLS & INTERESTS

Skills: Python, Rust, R, STATA, SQL, Git, Machine Learning, GIS, GAM, Docker, DevOps, Nix, PyMC, Bayesian Modeling

Interests: Macroeconomics, Spatial Econometrics, Bayesian Inference, Time Series Analysis, Causal Inference

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