Alejandro M. Ouslan

Education

University of Puerto Rico, Mayaguez   Mayaguez, PR
Bachelor of Arts in Economics   GPA: 3.50   *Aug. 2019 – May 2024*
Howard University   Washington, DC
AEA Summer Program   GPA: 3.50   *May. 2023 – Jul 2024*
University of Puerto Rico, Mayaguez   Mayaguez, PR
Master of Science in Statistical Mathematics   GPA: 3.24   *Aug. 2024 – Present*

Extracurricular Activities

Student Money Association   Sept. 2023 – Jun. 2024
Student Assor   *Mayaguez, PR*
- Helped students develop budget planas and educate on money management.
- The overall objective of the program was to provide financial literacy to the student body.

Economics Student Association   Sept. 2022 – Present
Treasurer   *Mayaguez, PR*
- Help manage the association's budget
- Help manage and create fund raisers for the association

University of Salamanca   Sept. 2022 – Present
Invited Profesor   *Salamanca, Spain*
- Invited by the department of Political Science to give a class on Data Science and Research automation
- I thought students how to use automate web scrapping with python to download data from an API and create a reproducible report.

Experience

RUMbo EX, UPRM   Sept. 2021 – Present
Student Statistics/Economics Tutor   *Mayaguez, PR*
- Was tasked in tutoring students of the university for various courses
- Courses that I provided tutoring for are: Micro/Macro I & II, Calc I,Stats I & II, Engineering Economic Analysis

AEASP, Howard University   May. 2024 – Jul 2024
AEA Scholar   *Washington, DC*
- As part of AEASP, I am conducting research with the Census Bureau.
- investigating the correlation between average travel time and the road length infrastructure at the PUMAs level for the entirety of the U,S for 2012-2019, employing Spatial Regression techniques.

LEADING Hispanics, USDA   June 2024 – Present
Research Assistant   *Mayaguez, PR*
- Research the correlation of living in a food desert and obtaining chronic deseases
- Additionally mesurad its spillover effects, that is the effects of living near a food deseases

Experimental Agriculture Station, UPRM   June 2024 – Present
Lead Developer   *Mayaguez, PR*
- Tasked in leading a team of 5 software engineer in creating iterative websites for the Experimental Agriculture Station
- Tasked in creating varios forms for gathering detailed survey data from agricultores
- Tasked in estimating the overall caloric intake by county for Puerto Rico and displaying them as a map

Puerto Rico Planning Board   June 2024 – Present
Lead Developer   *Mayaguez, PR*
- Tasked in leading a team of 15 engineers in creating various data processing pipelines to download, process, and visualice the data
- Tasked in automatically downloading data from various sources and store them in a SQL Database as a time series in monthly, quarterly, yearly and fiscal year
- Tasked in designing systems to automatically package the software, create unit testing, upload them to a docker registry and deploy them as production containers.

Awards & Publications

Medal of the Department Aug. 2023

r *r*

- Awarded for excellence in research while maintaining a GPA above 3.5.

2nd Place, Agriculture Conference June 2025

- Recognized for best economic research among master's students.

Economic Report to the Governor Sept. 2021 – May 2022

- Received fellowship to research sustainable agricultural practices in Puerto Rico.

X Jornadas Internacionales de enseñanza July 2023

University of Salamanca, Spain

- Co-authored *"Price Volatility and Farmer Decision-Making in East Africa"*.
- DOI: doi.org/10.14201/0AQ0368

Skills & Interests

Skills: Python, Rust, R, STATA, SQL, GIT, ML, GIS, GAM, Docker, DEVOPS, NIX, ML, PYMC

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

(787) 951-6131 | alejandro.ouslan@upr.edu | linkedin.com/in/ouslan | github.com/ouslan