

DAVID ESCOTO

davidescoto900@gmail.com | 915-630-5465

Linkedin: [David Escoto](#) | GitHub: [davidescoto900](#)

Location: El Paso, TX (open to re-locate or working remotely)

PROFESSIONAL SUMMARY

Aspiring data analyst with a master's degree in political economy, specializing in econometrics and advanced statistical inference. Skilled in research design, statistical modeling, and uncovering trends in large datasets using Python, R, and SQL to deliver evidence-based solutions.

EDUCATION

MSc Institutions and Political Economy | University of Barcelona

Sep 2023 – Jul 2025

- **Thesis:** Impact of Public Transport Expansion on Housing Prices
- Specialized in network analysis, text analysis, and applied machine learning for political economy research
- Delivered group projects and research presentations, strengthened communication and collaboration skills

Advanced Certificate in Data Analytics | CareerFoundry

Jul 2024 – Jul 2025

- Intensive project-based training in Python, SQL, Tableau, and Excel
- Completed applied projects in web scraping, large-scale dataset analysis, and visualization

BA International Studies | Baylor University

Aug 2019 – Jul 2023

- Coursework in political science, critical analysis, and research methods
 - Exchange studies at **University of St. Andrews, Scotland** (2022–2023)
-

PROJECTS

Public Transport Expansion and Housing Prices

- Assessed impact of tram expansion on ~25,000 property transactions using event-study DiD
- Built geocoded dataset with housing and tram stop data, visualized results for policy use
- Applications: R (fixest, did), sf, geosphere, ggplot2

Influenza Season Staffing Requirements

- Determined influenza season staffing requirements for a national medical agency
- Analyzed CDC datasets to find limitations and spot trends
- Applications: Excel, Tableau, Loom

Instacart Customer Analysis

- Used open-sourced data to compare customer trends by region, age, income and other demographic factors
- Joined 5 datasets to interpret data
- Applications: Pythons, pandas, matplotlib

Retail Inventory Analysis

- Create recommendations for company strategy around geographic region, customer value, and inventory
 - Applications: SQL (ETL, table joins, CTEs), Sheets, Data Studio
-

SKILLS

Programming & Analysis: Python (pandas, numpy, matplotlib), R (fixest, did, glmnet), SQL (Postgres, MySQL), Excel

Methods: Econometrics (DiD, panel data), Machine Learning (Ridge, Lasso, Trees, Clustering)

Language: Fluent English, Fluent Spanish, Intermediate French