Teodoro Springer Urbieta

Economics B.A. · Data Analysis, Econometrics & ML

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GitHub | LinkedIn

Summary

Economics B.A. candidate. I translate economic questions into reproducible Python, Stata, and SQL pipelines, leveraging Teradata and AWS Workflows (Athena, SageMaker) to build KPI-driven analytics and predictive/forecasting models on large, diverse datasets (transactional, satellite, survey, macroeconomic and financial). My work combines predictive and causal methods while delivering clear visualizations. Comfortable replicating academic findings and collaborating in cross-functional teams, I work with Python, Excel, Stata, SQL, PySpark, and EViews. Fluent in Spanish and English, and a dual Argentine/Austrian citizen.

My thesis compares econometrics, machine learning, and generative AI methods to forecast key economic time series.

Education

Bachelor of Arts | ***Economics*** 2025
Universidad de San Andrés Buenos Aires, Argentina

High school diploma 2018
St. John's School Buenos Aires, Argentina

Work Experience

Data Scientist - Data & Reporting 2025 – Present
BBVA Buenos Aires, Argentina

- Built KPI-driven analytics and predictive/forecasting models on large transactional and macroeconomic/financial datasets. Developed SQL pipelines in AWS Athena and Teradata, used PySpark for scalable data preparation, and trained/validated models in AWS SageMaker; communicated results through concise KPIs and visualizations.

Consultant - Data Science Team 2025 – Present
Management Solutions Buenos Aires, Argentina

- Employed by MS and embedded full-time at BBVA as a data scientist. Participated in MS's professional development program, completing courses in business, finance, and technology

Assistant - Sports Department 2022 – 2025
Universidad de San Andrés Buenos Aires, Argentina

- Coordinated logistics and prepared spreadsheets for campus tournaments concerning several sports

Skills

Data analysis with Python: pandas, NumPy, scikit-learn, TensorFlow, Keras, PySpark, PyTorch, matplotlib.
Cloud & databases: SQL (KPI design, joins, window functions), AWS Athena, Sagemaker, Teradata; large transactional tables.
Causal inference with Stata : IV, RDD, DiD, clustering, synthetic control, fixed-effects, statistical tests, matching.
Time-series analysis and forecasting with Stata, EViews and Python: VAR, VEC, GARCH, ARIMA, IRFs, ML, Neural networks.
Financial project valuation and statistical analysis using Excel.

Projects and Research

EPH (Household Survey): Recoded 100+ variables across 2004–2024 waves and performed data analysis using a diverse set of parametric and non-parametric techniques such as histograms, kernels, clustering, KNN, principal components, discriminant analysis, regularization, bootstrap, classification and regression trees.

Applied economics and causal inference: A course where causality matters the most. I learned about multiple hypothesis testing, sources of biases and inaccuracies, instrumental variables, fixed effects, difference-in-differences, cluster robust inference, synthetic controls, power calculations, regression discontinuity and matching.

Other projects available at my GitHub: forecasting econometrics; neural networks; satellite data.

Additional

IB English B, High Level 2018
International Baccalaureate