Andres Perez Martinez

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Education

California Polytechnic State University *San Luis Obispo, CA*
MS in Quantitative Economics *Aug 2022 - June 2023*
- **Courses:** Advanced Econometrics I and II, Dynamic Stochastic Modeling, Programming for Economics, Machine Learning, Microeconometrics, Microeconomic Analysis, Financial Time Series

California State University Sacramento *Sacramento, CA*
BA in Economics *Aug 2020 - May 2022*
- **Honors:** Graduated Cum Laude
- **Courses:** Quantitative Economic Analysis, Economic Research Methods, Intro to Econometrics, Calculus I and II

Work Experience

Grading Assistant *San Luis Obispo, CA*
California Polytechnic State University *Jan - June 2023*
- Provided assistance in grading and evaluating assignments and projects for undergraduate/graduate courses.
- Demonstrated strong attention to detail in assessing and scoring student submissions according to established grading criteria.
- Assisted in maintaining accurate records of student grades, attendance, and overall performance.

Inventory Specialist *Tulare, CA*
Lagomarsino *May - Aug 2019, May - Aug 2020*
- Conducted thorough inventory checks to keep track of all products stored in the facility.
- Provided accurate reading to staff on how many products were received at the facility.
- Established strong rapport with co-workers to ensure job accuracy and organization.

Projects

Using Machine Learning to Improve Treatment Targeting in Farmer Training *San Luis Obispo, CA*
World Bank Organization *Jan 2023 - June 2023*
- Analyzed data from 1960 to 2020 and discovered patterns in the data that show trends between farming practices, and training outcomes.
- Studied cross-sectional, longitudinal data and satellite imagery to find variations in trends and get the historical data to back up the results and changes in the trend of our data.
- Specific case studies were traced back to trends in Cambodia and Ethiopia and how they affected farming practices and their output.
- Cleaned and merged variables between datasets to get useful and meaningful results.
- Wrote code to run machine learning models and compare results between Cambodia and Ethiopia.

House Prices in San Diego and Sacramento *San Luis Obispo, CA*
California Polytechnic State University *March 2023 - June 2023*
- Analyzed data from 1976 to 2022 to discover patterns such as trends, correlations, and probabilities in housing prices.
- Conducted various time series tests, fitted various models, selected models for forecasting, and produced managerial implications of the analysis.
- Compared and presented the similarities and differences between the two counties.

The Economics of Population Growth and Immigration on Unemployment Rate in California *Sacramento, CA*
California State University *Jan 2022 - May 2022*
- Collected, cleaned, and analyzed data in order to conduct cross-sectional regression using Excel and GRETL.
- Organized meta-analysis on various economic research to determine the effects of population growth on the unemployment rate.

Skills

Programming/Software	Python (Pandas, NumPy, Scikit-learn. etc.), SQL, R (ggplot2, AER, dyplr), Stata, Overleaf/ Markdown, Microsoft Office
Analytics	Data Visualization, Linear Regression, Machine Learning, Forecasting, Time Series Analysis, Discrete Choice Models

Languages

English	Fluent proficiency
Spanish	Native proficiency