ROBERTO CORTEZ

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Portfolio Website on Github
Fontana, CA 92336

Skills

- SQL (MySQL, PostgreSQL)
- Python (Pandas, NumPy, Matplotlib, Seaborn)
- Excel (VLOOKUP, Conditional Formatting, Pivot Tables)
- Tableau

Education

BACHELOR OF ARTS IN APPLIED ECONOMICS – California State University San Bernardino
Major: Applied Economics
Coursework: Macroeconomics, Microeconomics, Quantitative Economics, Statistics, Accounting, Finance

Projects

U.S TRAFFIC ACCIDENTS COMPARISON DASHBOARD IN TABLEAU

- Created a Tableau dashboard that provides a comprehensive analysis of traffic accident fatalities in the United States from 2015 to 2021.
- Transformed and processed data from the National Highway Traffic Safety Administration by using **Excel** and **filtering** irrelevant data.
- Analyzed several aspects of the data, including driver and pedestrian deaths, gender-based comparisons, state-wise trends, age group distributions, and the involvement of alcohol and drugs in these fatalities.

ANALYZING GLOBAL LAYOFFS: DATA CLEANING AND EXPLORATORY DATA ANALYSIS WITH SQL

- Cleaned and standardized a global layoffs dataset in **PostgreSQL** by removing duplicates with CTEs, handling null values, and converting data types for reliable analysis.
- Utilized **UPDATE** and **ALTER TABLE** statements to reformat columns and standardize entries, such as converting text-based dates and normalizing industry names.
- Crafted analytical queries with **GROUP BY**, **ORDER BY**, and **EXTRACT** functions to identify trends by company, year, month, and location, pinpointing peak layoff periods and regions most impacted.
- Employed window functions like **OVER** to calculate rolling monthly layoff totals, enabling insights into cumulative trends over time.

SUPERMARKET TRANSACTION DATA ANALYSIS USING SQL

- **Analyzed transaction data** from a Polish supermarket using SQL to uncover key financial insights, including payment methods and weekly transaction patterns.
- **Created and managed a PostgreSQL database**, importing tens of thousands of records from a CSV file and ensuring data integrity for analysis.
- **Extracted insights** such as highest transaction days and total/average spend per day, leveraging SQL queries and data aggregation techniques.

DATA ANALYST JOB MARKET ANALYSIS USING PYTHON

- Utilized **Python** to analyze 700000 data science job listings and gain insights on what it takes to land a job in analytics
- **Transformed and filtered data**, selecting specific columns for detailed analysis using **pandas**.
- Aggregated data to identify trends and essential requirements in the job market.
- Created professional visualizations using **Matplotlib** and **Seaborn** to compile a comprehensive report on job market insights.

Work Experience

WAREHOUSE ASSOCIATE – Ricoh USA Inc. – Rialto, CA   June 2023 - Present

- Pick and pack products for customer orders in a timely manner, meeting productivity and quality standards.
- Use UPS WorldShip software to scan orders, create shipping labels, and prepare the order to ship.
- Train new employees on company procedures and safety guidelines, ensuring a smooth onboarding process and adherence to operational standards.
- Perform inventory checks by inspecting item locations, identifying missing items, and reporting inconsistencies to maintain accurate inventory levels