

EDWING JIMENEZ

Summary

With over 7 years of experience as a product engineer in the medical devices industry, I have successfully led projects resulting in substantial cost savings through decreased scrap rates and automation, while cutting production costs nearly in half. Transitioning into the Data Science field, I bring 4 years of expertise in analyzing large datasets to extract insights and enhance business performance. Proficient in statistical analysis, data visualization, and machine learning using Python and SQL, and I am driven by a passion for leveraging data-driven decision-making.

Skills

- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, SciPy, Matplotlib)
- Excel (Lookup, Conditional Formatting, Pivot Tables)
- Lean Six Sigma
- Minitab
- Microsoft Power BI (Power Query, DAX)

Projects

Further details and projects in portfolio.

HR ANALYSIS AND PREDICTION MODEL BUILD – Personal Project

The main goals in this project are to analyze the data collected by the HR department and to build a model that predicts whether an employee will leave the company.

- Analyze correlations and perform descriptive statistics.
- Train, optimize and evaluate random forest and XGBoost algorithms.
- Compare models' results.

AIRPORT ANALYSIS – Personal Project

The objective of this project was to utilize SQL and Python for data retrieval, transformation, cleaning, and analysis of flight data. The primary goals were to identify causes of flight delays and explore correlations, as well as to analyze the revenues generated from these flights.

- Retrieve the flight data from the database using SQL queries.
- Load the retrieved data into Python as a pandas dataframe for data transformation and cleaning.
- Analyze the cleaned data to identify causes of flight delays and explore correlations between different variables.
- Analyze the revenue data associated with the flights.

BIKE STORE REVENUE DASHBOARD – Professional Project

The objective of this project was to create an interactive dashboard for a client's bike store to visualize and analyze revenue trends across multiple dimensions such as years, states, stores, and bike categories.

- Retrieve data from the database using SQL.
- Prepare the data for visualization by aggregating and structuring it appropriately.
- Design and develop an interactive dashboard using Tableau.
- Incorporate key metrics such as revenues by year, profitability by state, revenue trends, revenue per store, revenue per bike category, and identification of top customers.

Work Experience

BUSINESS DATA ANALYST – Parrotlabs – Remote

April 2024 – Dec 2024

- Creating and managing accurate test data sets, running unit tests, and analyzing A/B test results to deliver detailed, actionable reports.
- Designed and maintained 10+ interactive dashboards using Power BI, providing real-time insights to over 10 business units, reducing reporting time by 30%.
- Collaborated with cross-functional teams to define and implement KPIs, driving a 25% improvement in team performance metrics within six months.

- Automated data workflows and reporting processes, decreasing manual effort by 40 hours per month and enabling faster decision-making.
- Provided insights that contributed to a 15% increase in customer retention by identifying key churn indicators and recommending targeted strategies.

FREELANCE DATA ANALYST – Remote

March 2020 – Present

- Leverage my experience in data analysis and visualization to provide actionable insights for clients across diverse industries.
- Analyze surveys, marketing campaigns using A/B testing, building dashboards for their KPIs, cleaning and transforming raw data into meaningful narratives to drive informed decision-making and business growth.

PRINCIPAL PRODUCT ENGINEER – Fresenius Kabi – Dominican Republic

February 2016 - Present

- Led product and process projects that have saved more than a million dollars by decreasing scrap rates around 20%, automating manual processes reducing Cost of production by almost 50%.
- Collect and analyze manufacturing process data using statistical tools, identifying patterns critical for ongoing process optimization.
- Translate complex manufacturing data into clear data visualizations and project presentations for stakeholders.

Education and Certifications

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING – Instituto Tecnológico de Santo Domingo

- **MICROSOFT POWER BI DATA ANALYST PROFESSIONAL CERTIFICATE** - Microsoft / Coursera
- **GOOGLE ADVANCED ANALYTICS** – Google / Coursera
- **DATA SCIENTIST: ANALYTICS** – Codecademy
- **PYTHON 3** – Codecademy
- **LEAN SIX SIGMA: GREEN BELT** – Infotep / Fresenius Kabi
- **IMPROVEMENT MANAGEMENT** - Infotep / Fresenius Kabi