

Carlos De Leon

cmedeleon1@gmail.com | (650)438-3716 | South San Francisco, CA | cmeddata.github.io

EDUCATION

San Francisco State University

San Francisco, CA

BS, Computer Science

May, 2025

- Co-founded and Vice-President of the Data Science Society at San Francisco State University
- Pursuing a certificate in Data Science and Machine Learning in Bio-tech.

RELEVANT WORK

DataJam | TheDataJam

Mentor

- Guided a group of high school students through a comprehensive semester-long curriculum covering data analysis, Programming in R and Python, advanced excel techniques and introductory machine learning concepts.
- Provide hands-on experience by assigning real-world data analysis projects, enabling students to apply their skills in practical scenario.

PROJECTS

Measuring the Economic Empowerment of Women

- Examined global gender inequality using indicators such as a country's Gender Inequality Index (GII), Education, Age, Labor force Statistics and Parliament status.
- Employed Python pandas for data cleaning, addressed missing values with sci-kit learns K-Nearest Neighbors (KNN) and employed multiple linear regression using statsmodel for data driven insights.
- Presented clear visual insights, facilitating a comprehensive understanding of women's economic empowerment challenges globally and translated complex statistical findings into impactful visualizations using Tableau.

Data Exploration: Car Break-ins in San Francisco

- Gathered, cleaned, and analyzed a large dataset of over 700k reported crimes in San Francisco, ensuring data accuracy with Python(pandas)
- Created informative data visualizations using Matplotlib and Seaborn, simplifying complex data for easy comprehension
- Analyzed crime data trends, identified actionable insights and effectively communicated findings to support data-driven decision making

Assessing COVID-19 in San Francisco: A closer look at Neighborhoods and its impact on COVID-19 Cases

- Conducted comprehensive analysis of San Francisco neighborhood's impact on COVID-19 using excel.
- Analyzed independent variables such as poverty rate, geographic data, population and ethnic demographics
- Utilized data visualization and regression analysis to gain insight on local pandemic dynamics, contributing to COVID-19 understanding and showcasing excel data analysis skills.

WORK EXPERIENCE

Enterprise Rent-A-Car

San Francisco, CA

Customer Assistance Representative

Sep 2022-Present

- Provide excellent customer service, including escorting customers to their rental vehicles.
- Handled customer database ensuring correct details and verifying customer information to prevent fraud.

SKILLS

- **Programming:** Python (NumPy, Pandas, Sci-kit Learn, Statsmodel), R, SQL
- **Visualization:** Python (Matplotlib, Seaborn), R, Tableau