Antonio James Manso Costello

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Education

BSc Information Science & Data Analytics   **Expected May 2026**

San José State University   *San Jose, California*

- GPA: 3.661/4.0
- Relevant Courses:

  + ISDA 20A Query Languages + ISDA 141 Information Visualization

  + ISDA 111 Information/Data Science + MATH 15 Statway: Statistics + ISDA 20B Python Programming

  + ISDA 140 Big Data Analytics Management + ISDA 20D Computer Operating Systems

Academic Projects & Training

Spotify Streaming Data Analysis - Python (pandas, matplotlib):

GitHub:

https://github.com/ajmanso4/Spotify-DataAnalysis-Top-50-Songs-2023.git

- Built reproducible analysis workflow including preprocessing, statistical evaluation, and visualization (Jupyter, pandas, matplotlib)
- Analyzed ranked dataset and assessed limitations of subset-based inference
- Derived comparative metrics and identified outliers using statistical criteria

SQL Data Analysis and Querying – Relational Databases:

GitHub:

https://github.com/ajmanso4/Query-Languages-Assignments.git

https://github.com/ajmanso4/Yelp-Dataset-SQL-Analysis.git

- Queried and aggregated multi-table relational dataset and verified integrity constraints (SQL)
- Computed descriptive statistics and interpreted behavioral patterns in structured data

Visualization Critique – Graphic Data Interpretation:

GitHub:

https://github.com/ajmanso4/Visualization-Critique.git

- Identified proportional distortion and ambiguous labeling of a visualization
- Specified corrective encoding and design changes to ensure accurate interpretation

SQL for Data Science UC Davis (Coursera) – Course Certificate (2023)

GitHub:

https://github.com/ajmanso4/Course_Certificate--SQL-for-Data-Science-UC-Davis-Coursera.git

- Wrote SQL queries to filter, sort, and summarize subsets of data across selected columns
- Integrated multiple tables using UNION and JOIN operations and applied string, date, and numeric functions to clean and standardize fields for analysis

Analytical Competencies

- Perform data preprocessing and validation to ensure dataset consistency and usability
- Interpret statistical results and communicate uncertainty and limitations of findings
- Construct relational queries and aggregations to examine structured datasets
- Evaluate visualizations for accuracy, clarity, and appropriate encoding information
- Identify bias, sampling constraints, and scope limitations in datasets

Languages

- English (native), Spanish (fluent)

Interests

- Geopolitics, baking, cooking, football, cats