

# Antonio James Manso Costello

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Bachelor's student in Information Science & Data Analytics with experience conducting structured data analyses using Python and SQL, including preprocessing, statistical evaluation, and interpretation of dataset limitations. Interested in applying data-driven methods to understand real-world patterns while considering responsible data use and societal impact.

## Education

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BSc Information Science & Data Analytics - San José State University August 2022 - May 2026

- The Most Relevant Courses:
  - ISDA 140 - Big Data Analytics Management
  - ISDA 141 - Information Visualization
  - ISDA 20A - Query Languages
  - ISDA 111 - Information/Data Science
  - ISDA 20B - Python Programming
  - ISDA 20D - Computer Operating Systems
  - MATH 15 - Statway: Statistics

## Academic Projects

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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 Links (2):

<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 in published chart
- Specified corrective encoding and design changes to ensure accurate interpretation

## Certificates/Official Training

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SQL for Data Science UC Davis (Coursera)

Github:

<https://github.com/ajmanso4/SQL-for-Data-Science-UC-Davis-Coursera---Course-Certificate.git>

## **Analytical Competencies**

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- Data preprocessing and validation
- Statistical interpretation and uncertainty communication
- Relational querying and aggregation
- Visualization evaluation and communication clarity
- Awareness of bias and data limitations

## **Languages**

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- English (native)
- Spanish (fluent)

## **Interests**

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- Geopolitics, baking, cooking, cats, football (fútbol), quality time with my close ones