Tiffany Espinosa

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Experience

Data Science Research Assistant *(Northern Arizona University)*   **1/2023 - 5/2023**

Classification of Anxiety vs. Depression on Social Media Using Neural Network Models

- Cleaned, sorted, and analyzed web-scraped Patient.Info data using Python.
- Extracted subsections of the data using Excel and used functions to organize the data by keywords.
- Helped create Python codebooks using keywords from the Beck Depression and Anxiety Inventories.
- Presented findings to technical and non-technical audiences at the NAU undergraduate symposium.
- Aided in writing, developing, and creating a visually impactful final poster.

Teaching Assistant *(Northern Arizona University)*   **8/2022 - 5/2023**

- Graded a variety of assignments, including papers, quizzes, tests, and other coursework, promptly.
- Assumed teaching responsibilities when the professor was absent.
- Facilitated group activities and class discussions.

Projects (Located on https://github.com/tiffanyEspinosa)

Google Data Analytics Capstone (R, Tableau, Excel)

As a junior data analyst at Cyclistic, an imaginary bike-share company in Chicago, I was given the business task of understanding how annual members and casual riders use the bikes differently. I started by downloading the CSV files and added two columns to my data using Excel. Using R Studio, I cleaned and manipulated the data, conducted statistical analyses, and compared the data (ex: I calculated the number of rides and the average ride length for each day and member type). I created visualizations using Tableau to show the relationships in the data that would answer the business question. I also attempted to choose colors that people with red/green color blindness would be able to see because it is important to make visualizations as inclusive as possible.

Education and Certifications

B.S. Psychological Sciences (Graduated with Honors; 4.0 GPA)   Northern Arizona University, May 2023

M.S. Data Analytics   Western Governors University, Expected December 2024

Google Data Analytics Professional Certificate   Grow with Google, Coursera, May 2023

Technologies: R, SQL, Python, Tableau, PostgreSQL, MySQL, Excel

Skills: data analysis, data visualizations, statistical analysis