Tiffany Espinosa

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Experience

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

- Collaboratively cleaned data using Python.
- Utilized Excel to extract relevant data from CSV files and wrote functions that organized the data by keywords.
- Used Python to optimize the keyword identification process.
- Conducted thorough initial research and added relevant sources to the annotated bibliography.
- Aided in developing and creating a visually impactful final poster.
- Manipulated data using Python and employed various libraries for data handling.
- Actively collaborated with my mentor to troubleshoot and resolve coding issues.
- Engaged in discussions about how to fine-tune project hyperparameters.
- Assisted fellow lab students with coding problems by offering support when they faced obstacles.
- Effectively presented the project to a non-data analytics audience at the NAU undergraduate symposium.
- Collaboratively employed machine learning techniques within a team setting to classify social media posts into categories of anxiety, depression, and comorbid.
- Authored the Methods section of the Integration Test and Enhanced Data and Labeling Techniques.

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

- Maintained accurate attendance records and updated the grade book promptly.
- Graded a variety of assignments, including papers, quizzes, tests, and other coursework.
- Provided constructive feedback to support student learning.
- Recognized student achievements by sending personalized emails to high-performing individuals.
- Supported students in need and offered additional assistance and resources through emails.
- Assumed teaching responsibilities when the professor was absent and delivered engaging class sessions.
- Facilitated group activities and class discussions, and encouraged student involvement.
- Offered TA hours, which provided individualized assistance and support to students seeking extra help.
- Effectively communicated with students, addressed their questions and concerns, and provided academic support in an approachable manner.

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

Google Data Analytics Capstone (R, Tableau, Excel)

I successfully completed Case Study 1 of the Google Data Analytics Capstone, utilizing Excel, R, and Tableau to process and analyze 12 monthly data files. In Excel, I implemented file-specific functions, while in R, I employed the tidyverse packages for thorough data cleaning, manipulation, and analysis, which allowed me to uncover meaningful patterns and trends within the data. Visualizations were created in Tableau to effectively communicate key insights. I prioritized inclusivity by carefully selecting colors that are accessible to individuals with different types of color blindness The analysis, insights, and findings were documented and shared on GitHub, facilitating connections within the R and Tableau communities. This experience enhanced my technical skills and refined my ability to present complex concepts to technical and non-technical stakeholders.

Education and Certifications

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

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

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