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CS-499 Computer Science Capstone

Enhancement Three Narrative

August 11, 2021 (Updated)

July 30, 2021

The third artifact selected was taken from DAT-220: Fundamentals of Data Mining and was the final project that involved different types of data interpretation using statistical software to discover patterns and trends using different variables. These variables consisted of data supplied by the professor of the course that included survey results from a restaurant. It was originally created in June of 2021, and I included this piece to display my knowledge and interpretation using critical-analysis and problem-solving capabilities. It also sparked my interest due to the research that goes into a project involving large amounts of data that need to be resolved in a meaningful way.

I enhanced this artifact by further including more analysis charts to further my assurance and reliability of my interpretations of patterns and trends within the data. I also included an example in a chart of variables that do not form any correlation and must be omitted from testing with the user having the knowledge of what variables will display the patterns one is searching for. I altered my enhancement a bit as I did not add a database but furthered my knowledge of data mining with the existing database from the final project.

Data mining and analysis was something I had circled on my course list in my head the moment I saw it. One of the reasons being the movie Moneyball in which the concept involves them building a professional baseball team on different types of data mining and statistics with players they could afford. I thought with my love of hockey that this could be an avenue I gravitate towards if the opportunity presented itself. I really wanted to showcase my interpretations and how I deciphered what variables to utilize and which ones to omit from the process. I wanted to convey the message that I could choose the correct variables, categorize potential trends, and come to the proper conclusions based on the data presented.