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COSC 495

Senior Project Progress Report

Over the past week, after receiving feedback from my initial project ideas submission I have been brainstorming and researching a lot. At first, as iterated in my initial project ideas submission, I talked about how I wanted to work on data analytics using python coding. Although I knew the general idea of what I wanted to work on, I had no problem or hypothesis to really concentrate my project around. At first when I started researching, I found this useful link which had some project ideas dealing with data analytics ([Sports Analytics Projects (careerkarma.com)](https://careerkarma.com/blog/spots-analytics-projects/). After reading this article I thought about creating and analyzing a shot chart for my favorite NBA player Lebron James. Then after reconsideration, I thought about how I would rather focus on something in the NFL since I have applied for an internship with the NFL for this upcoming summer. Nevertheless, I still liked the idea of a shot chart, so I decided to convert a shot chart to NFL terms with completion percentage for quarterbacks. Then I thought about my favorite team, which is the Philadelphia Eagles and their quarterback situation. After this past season people are questioning and wondering if their present quarterback, Jalen Hurts, should be the long-term franchise quarterback. So, I have decided to look at his stats from this past football season and compare his passing completion percentages to successful passing quarterbacks in the NFL like Tom Brady and Aaron Rodgers. Likewise, I would like to compare his passing completion percentages to successful dual threat quarterbacks in the NFL like Russel Wilson and Lamar Jackson. After analyzing Jalen Hurts passing stats and abilities compared to NFL franchise quarterbacks in the league, I will be able to see if my favorite team, the Philadelphia Eagles should believe in and make Jalen Hurts the future of the organization. I have began looking at some websites that show Jalen Hurts’ passing completion percentages throughout the season. My next steps are to continue researching Hurts’ completion percentages in different areas of the field and seeing where he is most efficient. I will then take that data and begin gathering the stats of other quarterbacks in the league and comparing them. I feel confident about where I am at right now in the project. The only problem’s I could see coming up is the data about each quarterback and their efficiency in each area of the field since some of these quarterback’s are still completing their season and the data from this season might not be fully complete yet. Nevertheless, I will find a way throughout the semester to find this data and use it to have a successful senior project.