DSC 530 Final Paper

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My statistical question was: Do wide receiver players in the NFL tend to overachieve on projected fantasy points compared to other positions?

Based on all the analysis done on the data set it doesn’t seem like there is a clear difference between wide receivers and other players in that wide receivers are not more likely to overachieve on projected points. It does seem that although wide receivers are not more likely to overachieve than other players, they are more likely to overachieve by more points than other players

I think something that was missing during the analysis would be doing another two scatterplots that compare the same variables for both wide receivers and other players. This could have helped to show the difference between the player positions more clearly and to help understand more about the data.

Some variables that I think could have helped in the analysis would be players’ heights and weights. It would have been interesting to see how this information might influence points and if certain wide receivers that are taller tend to gain more points or something similar.

Based on my experience with fantasy football I did think that wide receivers would overachieve on fantasy points more often than other players. I was surprised how similar the comparison for the ROUNDOVER variable was for wide receivers vs other players.

I faced some challenges while doing my analysis. Choosing the right variables to use was difficult, and it was hard for me to remember the difference between histograms and bar charts. I do feel that I was able to figure this out in the end and to clearly see the outliers for each of the variables that I chose. I also struggled with the hypothesis test and struggled to understand what the p-value was really representing and what the null hypothesis is. Eventually I believe I was able to figure it out and to successfully calculate the p-value for the ROUNDOVER variable between wide receivers and not wide receivers.