**NFL Fantatsy Football Team Selection**

Principles of Data Mining

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# Introduction:

In the late 1990’s NFL fantasy football was born. Since then the game has become one of the most popular friendly competition between football fans. Co-workers, family members and casual friends gather year after year to draft a team that they hope will finally carry them to this years championship game. Fantasy football is so popular that many people draft multiple teams, pay large league entry fees, and religiously check statistics. FX has even made a very successful TV show around the concept of friends competing to a fantasy football league. It would appear that there is no end in sight for the fantasy craze that has captivated America, especially considering the fact that NFL is enjoying an all time high in popularity and television ratings. More and more we are seeing the introduction of advanced statistics to draft strategies. Looking at complicated metrics like QBR (Quarter-Back-Rating), YAC (Yards-After-Catch) and many more are quickly becoming the modus operandi for serious players. With all of the advanced data available, data mining should be able to help players take the step to the next level. One of the hardest parts of creating a competitive team is the actual process of drafting the team. Year after year we see players get drafted in early rounds of drafts across the country only to see them have lack luster years. We think that using data science we can help alleviate the pain of drafting players that have mediocre years. The basic idea is to use a number of different clustering and classification techniques to make a simple decision: given a player name and a round number, should you draft that player.

# Background:

# Descriptions and Relevance:

# Solution:

# Results: