How can you make money with Fantasy Football?

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The Problem

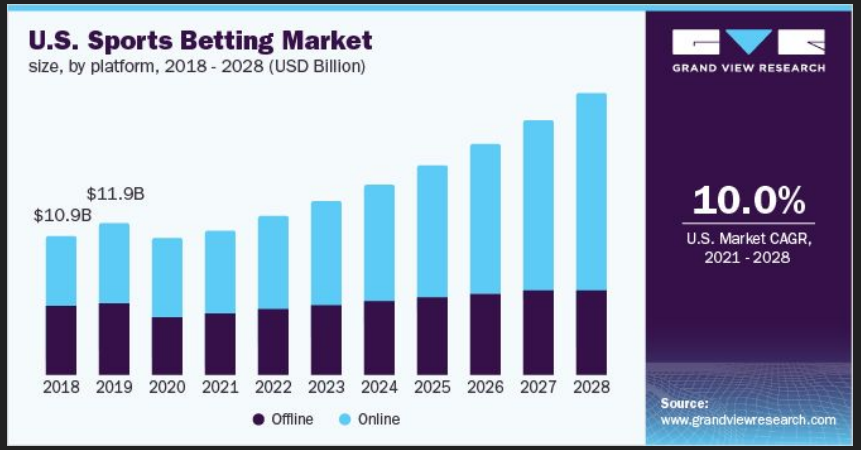
Legal Sports gambling, specifically online sports betting, is one of the fastest growing markets globally:

- Expected to grow from $70 billion to over $140 billion by 2028

- Online betting growing at a +40% rate, Goldman and Sachs predict this trend to continue annually for the next decade

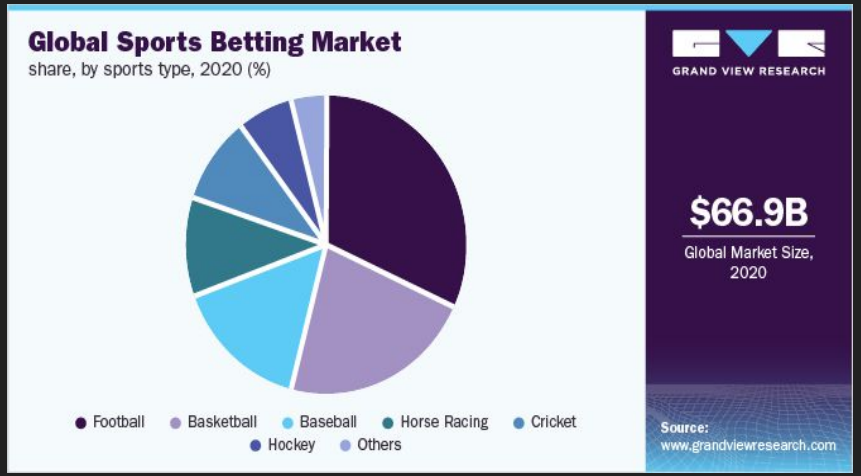
The Problem

Need for accurate sports predictions is at an all time high, and the market is growing at an exponential rate



The most popular sport for sports betting, and the one that has the most potential to capitalize on:

- Football



The Solution

- Predict Fantasy Football Points, using 3 different models, for each of the 4 offensive positions, and find the most accurate model

- Use the best models to predict Fantasy Points for each player at each position

- Win your fantasy league

Who Would Be Interested In This?

TV!

ESPN

yahoo!

abc

CBS

APPS!

sleeper

ESPN FANTASY FOOTBALL

FF

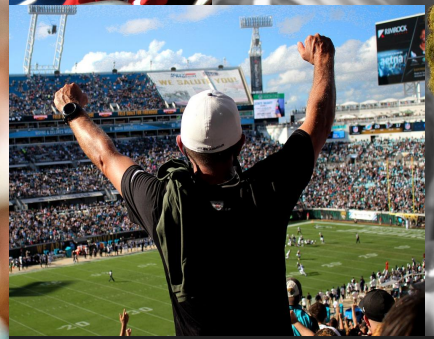
DRAFT KINGS

and MORE!

FANDUEL

Who Would Be Interested In This?

Anyone who is a Football fan!



Model Accuracy

When tested versus a basic model, my models performed better at every position, by an average of (+31.54%):

- QB: +28.61%
- WR: +35.24%
- RB: +21.93%
- TE: +40.37%

- Model able to predict a player's weekly score between 1.72 - 4.24 points a week on average

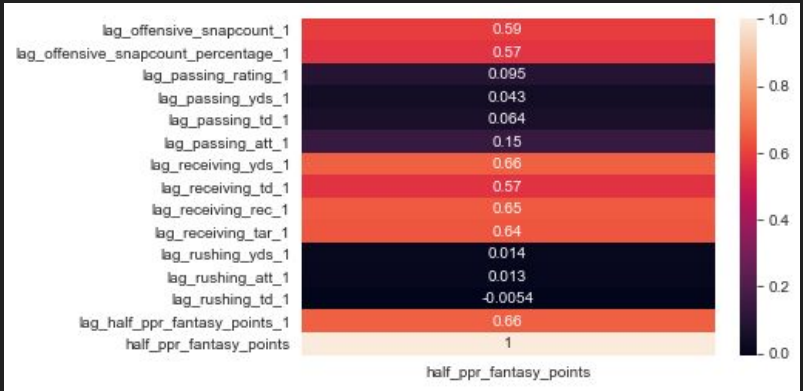
- Points the model was off on average per season:
  - **QB:** 67.85
  - **WR**: 39.07
  - **RB:** 46.49
  - **TE:** 27.47

Model Metrics

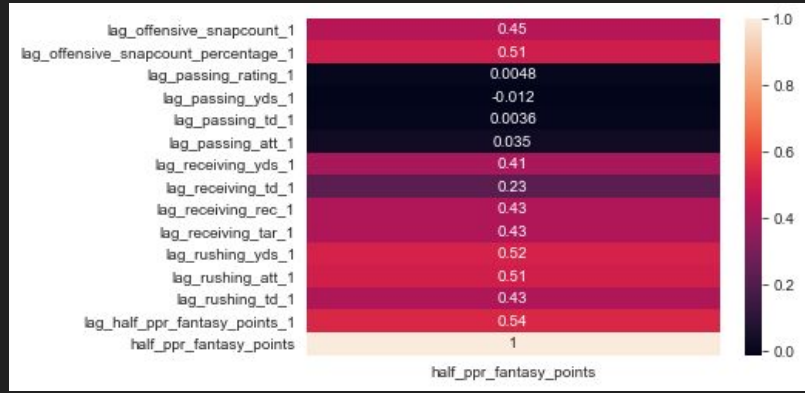
- Model uses game data from 1 season prior to predict upcoming season
- Different players had different stats that were more or less important, depending on position
- Statistics that were most correlated to a specific position determined which variables to plug into the model
- Model used between 5-8 of those variables to predict a players finish

Important Variables for Each Position

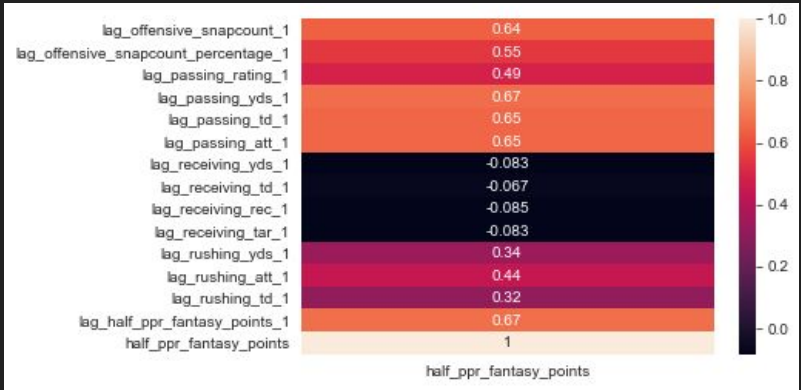
WR



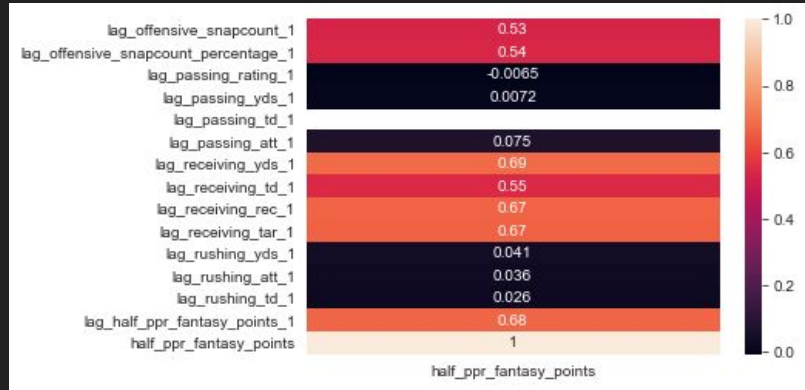
RB



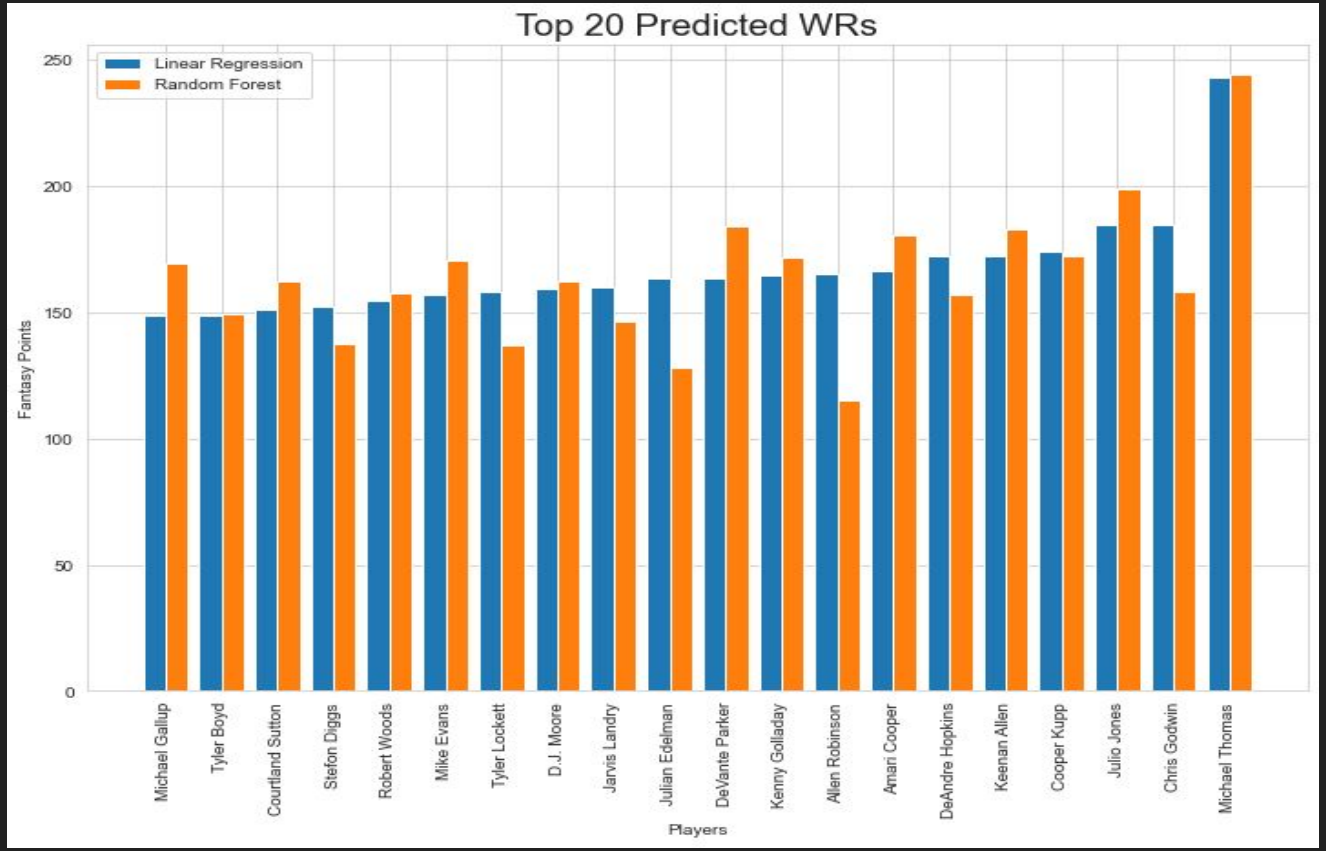
QB



TE



Predictions



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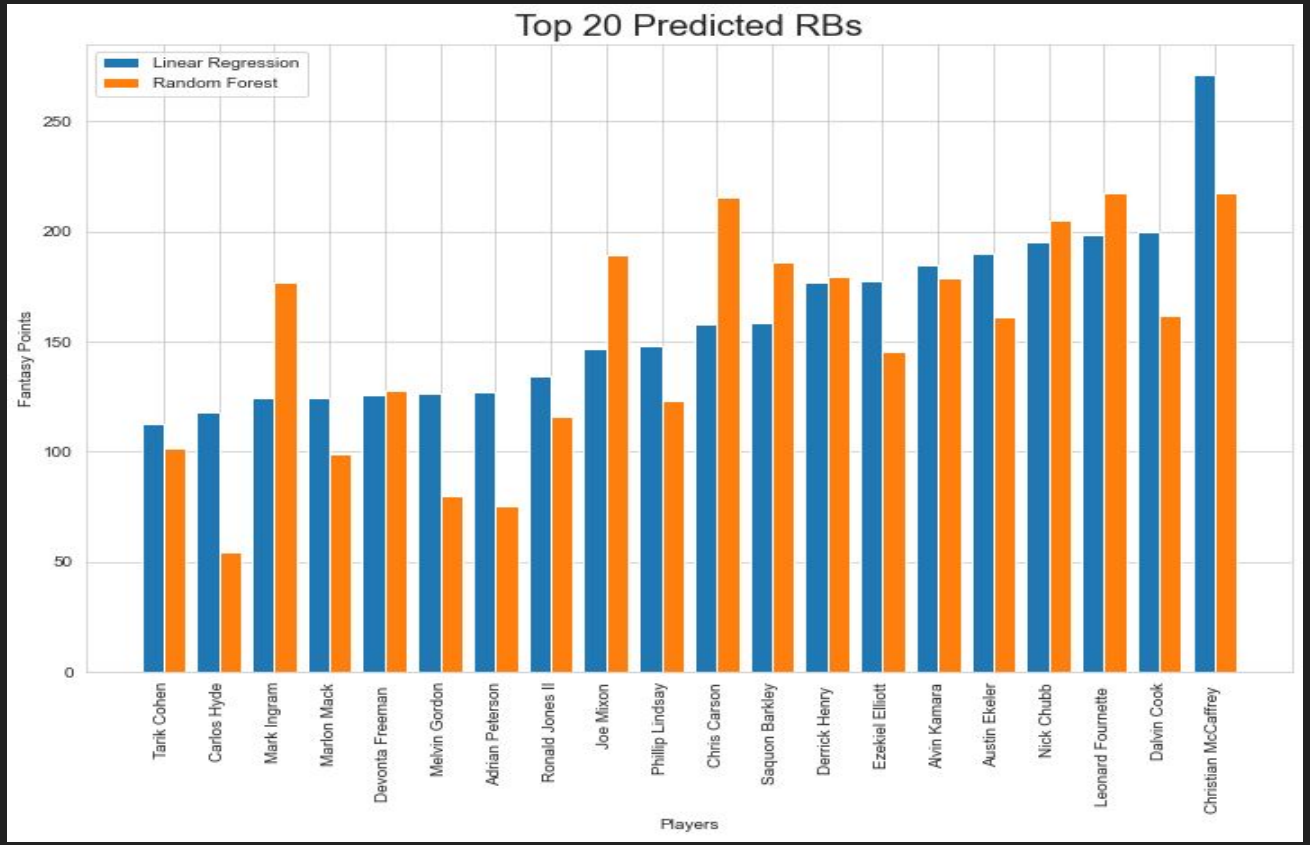

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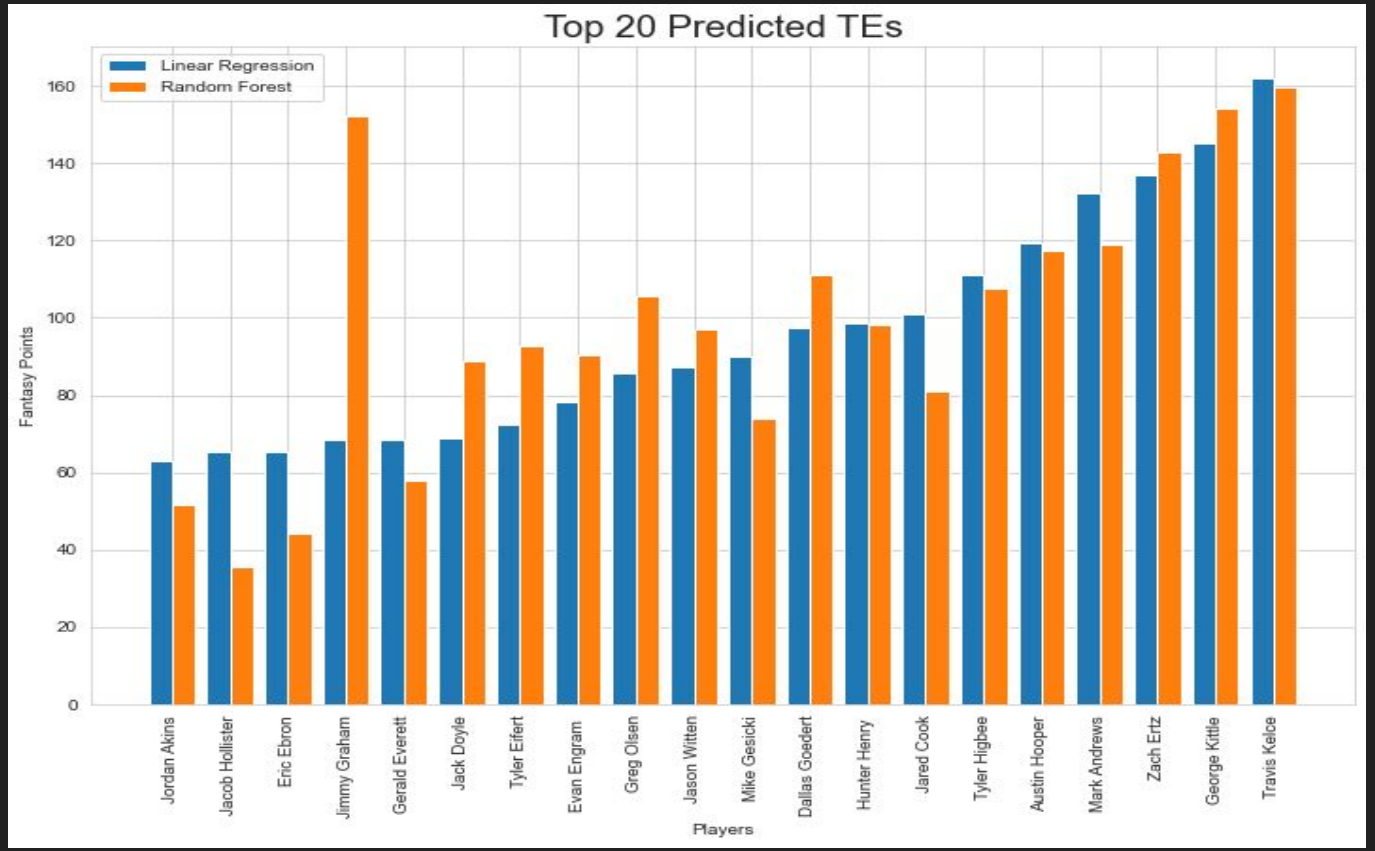
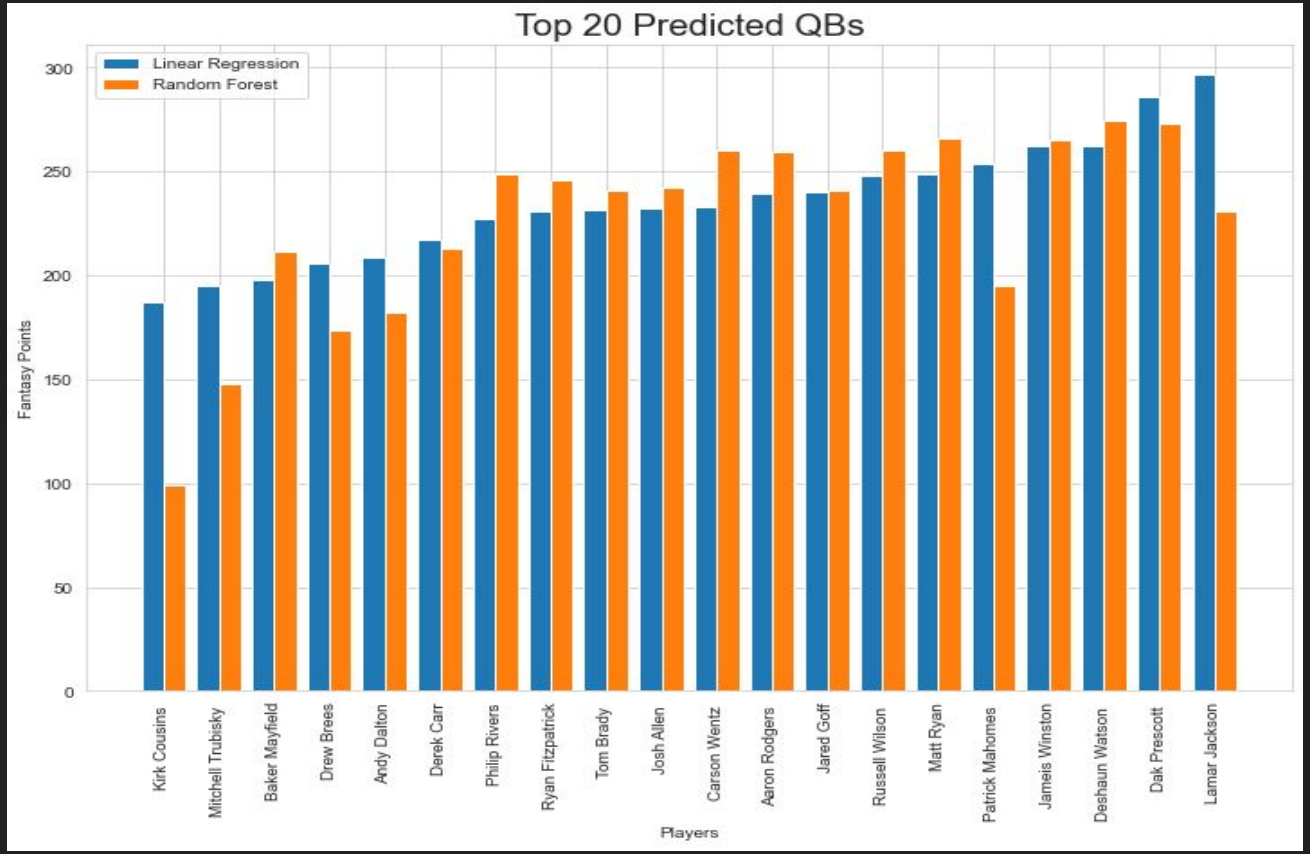


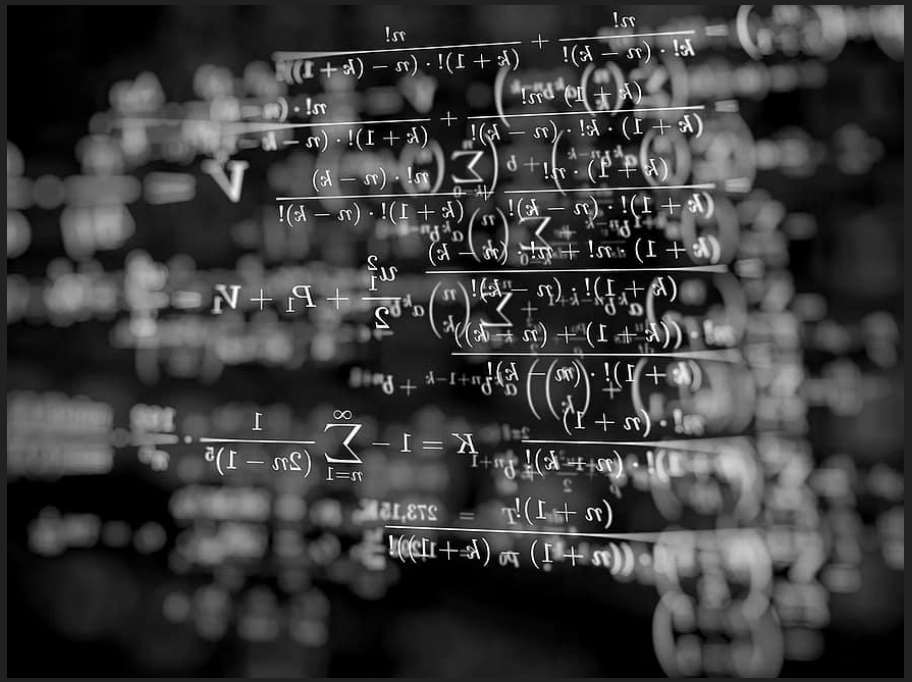
Predictions



Recommendations for how to use

- Recommended to take the players season totals of points, and divide by the number of games played in a season (16), to get a starting base for a weekly score for fantasy

- There are many more variables to consider other than last seasons data to predict, so use this is a starting point



Conclusions

- Linear Regression Model performed the best for each of the 4 positions
- Model's do not account for rookies or players with very low previous data points
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- Model's used only 1 year of stats and between 5-8 variables in models to predict
- By incorporating more years of data and increasing variables testing, can easily increase model accuracy even more

Gamble Safely!

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