

Taking on Fantasy Football

Disclaimer:

*This is not an endorsement for participation in Fantasy football.
Fantasy Football is a game of chance.*

Group Members

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Background

We selected this project based on group members' interest in Fantasy Football(FF). This is an analysis for participants or people that are interested in participating in Fantasy Football, and would like an in-depth look at a few different factors related to the four main FF positions. Ideally, this analysis will provide a basis for making draft decisions/predictions in future years, and assist with higher performance within FF leagues.

Data Source:


<https://www.fantasyfootball-datapro.com/posts>

<http://www.drafthistory.com/index.php/positions/>



Background contd.

Fantasy Football is structured similarly to other sports games. The idea is to draft players that have potential to score at least a certain number of points based on position. There are six scoring position categories:

- **Quarter Back**
 - **Running Back**
 - **Wide Receiver**
 - **Tight End**
 - Defence
 - Kicker
- 

Analysis Questions

1.What is the value of a player by position (QB, RB, WR, TE) relative to other players of that same position?

- Do for QB, RB, WR, and TE

2.How likely is it that a player that was startable one year will be startable the next year?

- Do for QB, RB, WR, and TE

3.How often does drafting a rookie their first year yield a startable player?

- Do for QB, RB, WR, and TE



Question One

What the value of player by position (QB, RB, WR, TE) relative to other players of that same position?



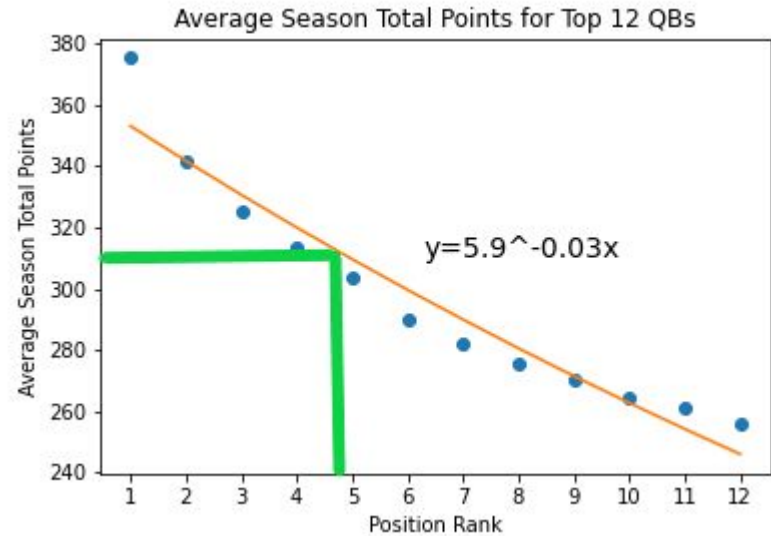
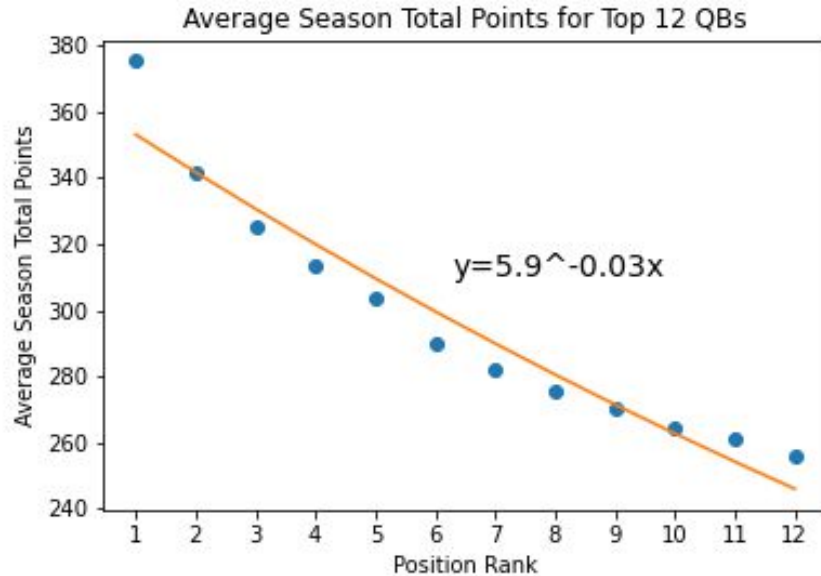
What Does it take to win In Fantasy Football

For the PPR scoring system. Scoring greater than ~110 points per week should give a 50% chance of winning or 1700 points per season. Draft selections and playing the correct players is important



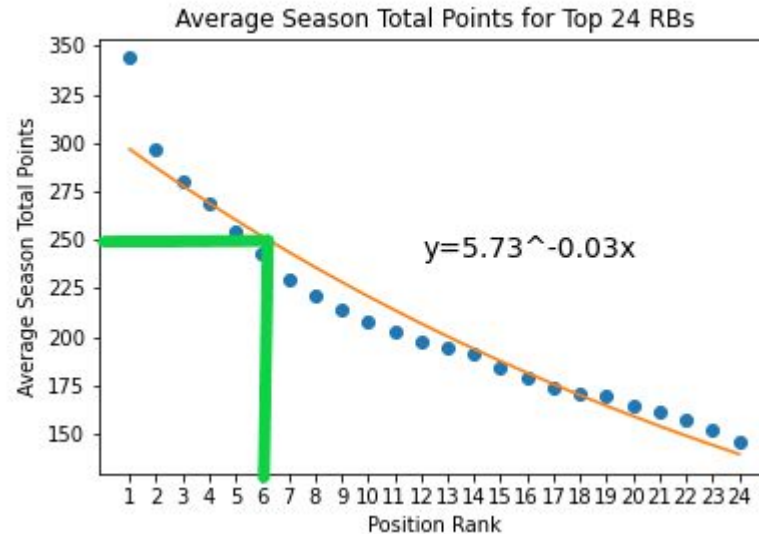
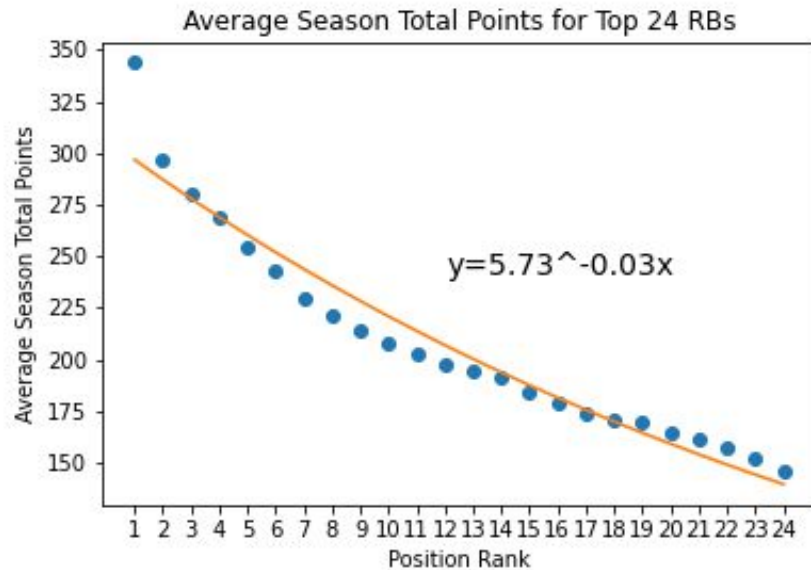
Plot of quarterback with regression analysis

The second curve is the same as the first with a line designating the mean line



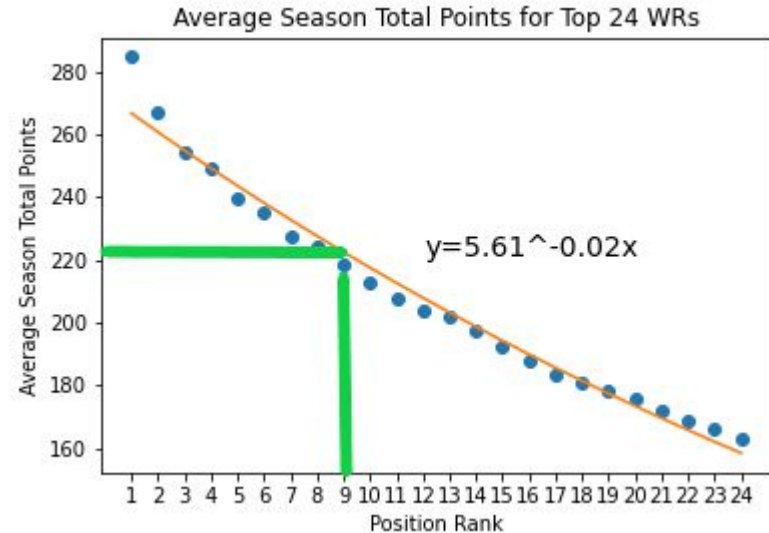
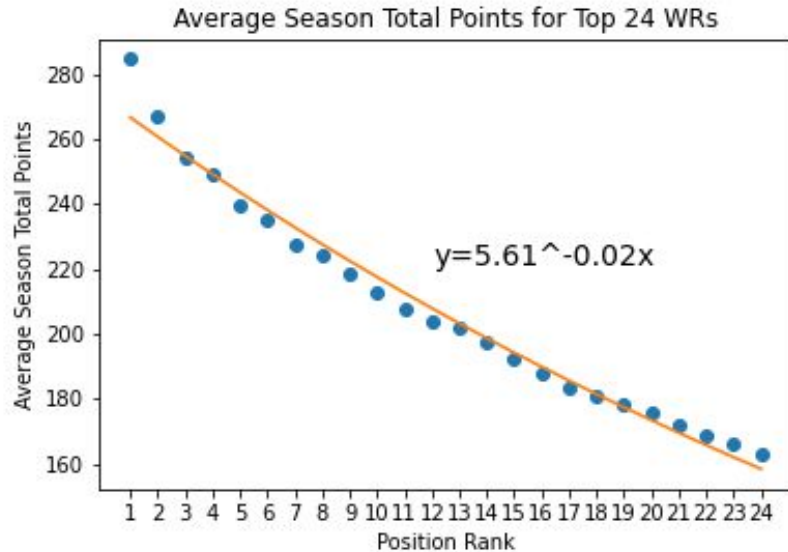
Plot of running back with regression analysis

The second curve is the same as the first with a line designating the mean line



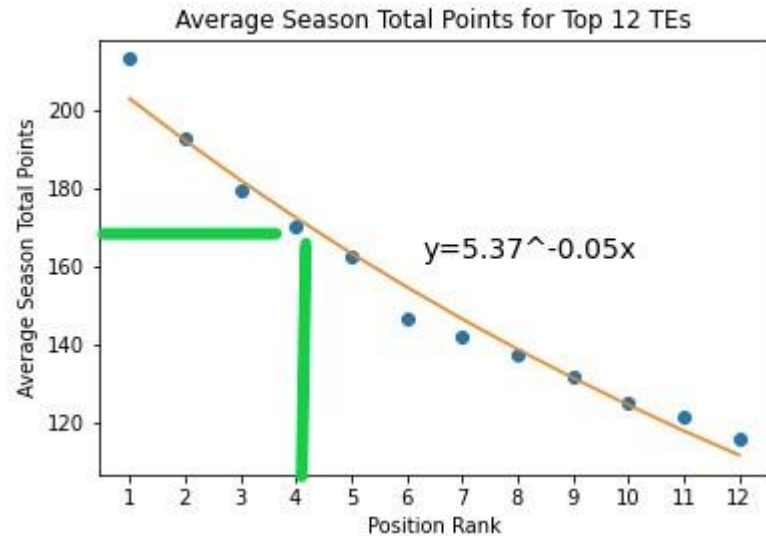
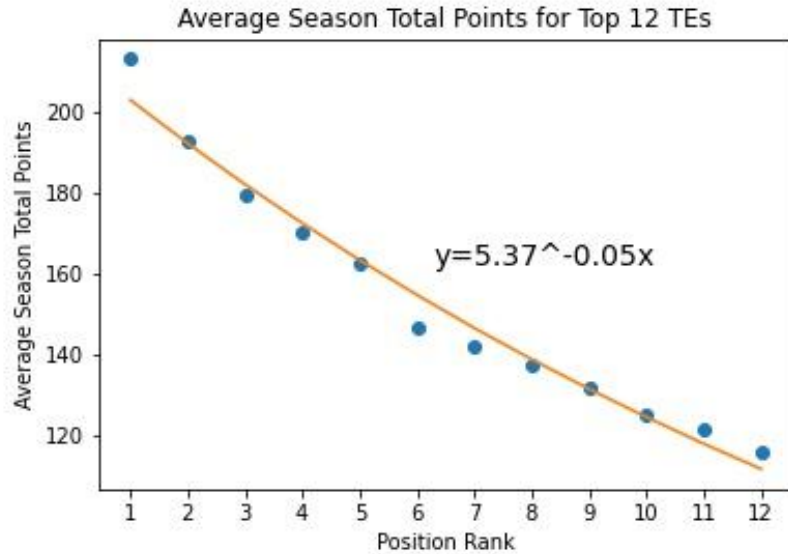
Plot of wide receiver with regression analysis

The second curve is the same as the first with a line designating the mean line



Plot of tight end with regression analysis

The second curve is the same as the first with a line designating the meanline



If the players that you draft and trade for score in the mean range for their position, your fantasy football team has a 50% chance of being in the top of your league.

Quarterbacks	310
Running backs X2	500
Wide receivers X2	450
Tight ends	170
Defense	160
Kicker	160
	1750



Summary of statistics

Position	Range of Points scored	Number of Players above Mean	Gap between the top player and next player
Quarterback	130	4	40
Running Back	100	6	50
Wide Receiver	120	9	20
Tight End	100	4	20



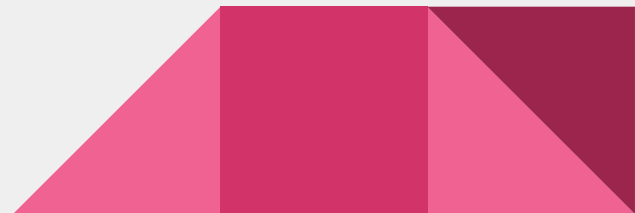
Question Two

How likely is it that a player that was startable one year will be startable the next year?



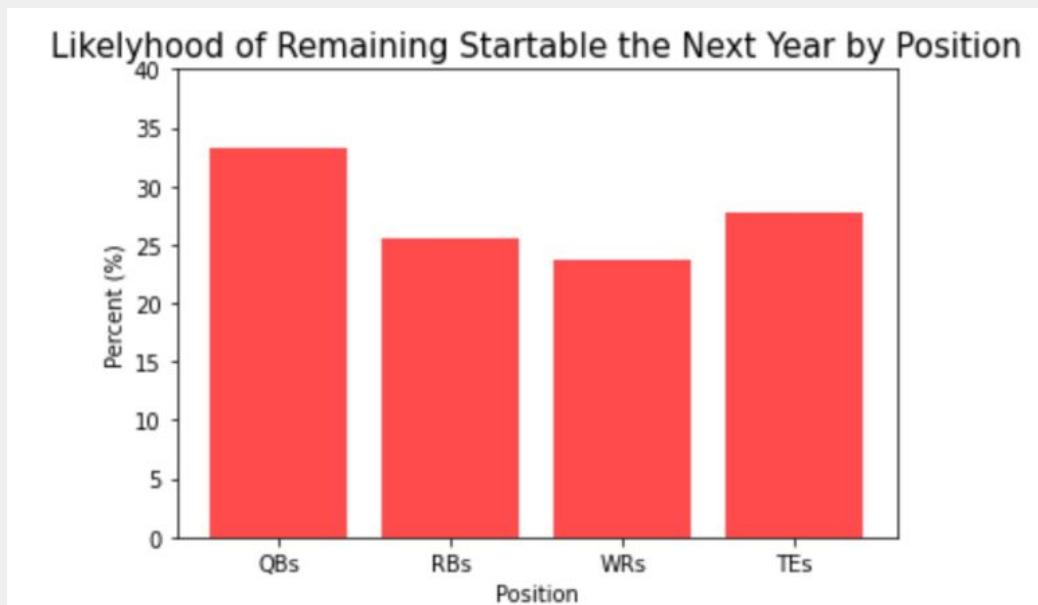
Starters Per Position

Position	Number of Starters in League
QB	12
RB	24
WR	24
TE	12



Player Turn Over by Position

For the positions that we examined approximately 30% of the starters from one year return the next



Question 3

How often does drafting a rookie their first year
yield a startable player?



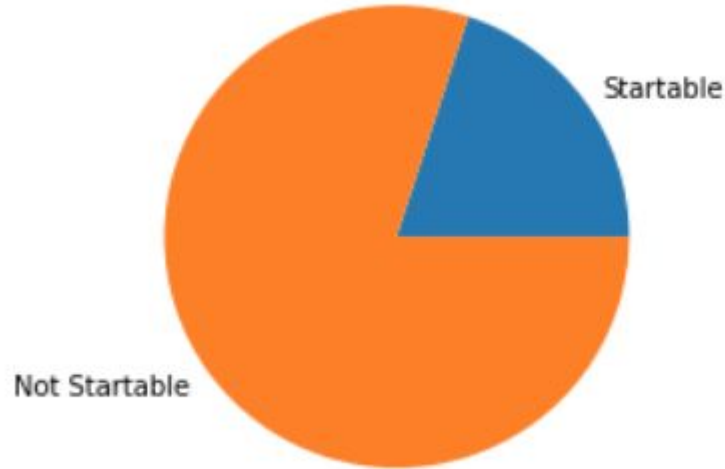
Number of Rookie QB's that were Relevant their First Season

How Many Rookie Quarter Backs Were Startable Their First Year?



Number of Rookie RB's that were Relevant their First Season

How Many Rookie Running Backs Were Startable Their First Year?



Number of Rookie WR's that were Relevant their First Season

How Many Rookie Wide Receivers were Startable Their First Year?

Not Startable



The figure is a pie chart with a single orange slice. The label 'Not Startable' is positioned to the left of the slice. The chart is set against a white background within a larger light gray frame.

Category	Count
Not Startable	1

Number of Rookie TE's that were Relevant their First Season

How Many Rookie Tight Ends Were Startable Their First Year?

