wardaya college

Assignment: NBA Influencer

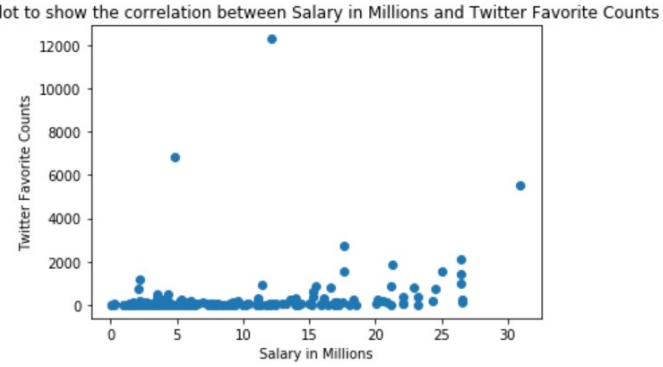
We want to be twitter famous!

https://www.kaggle.com/noahgift/social-power-nba?select=nba_2017_twitter_players.csv

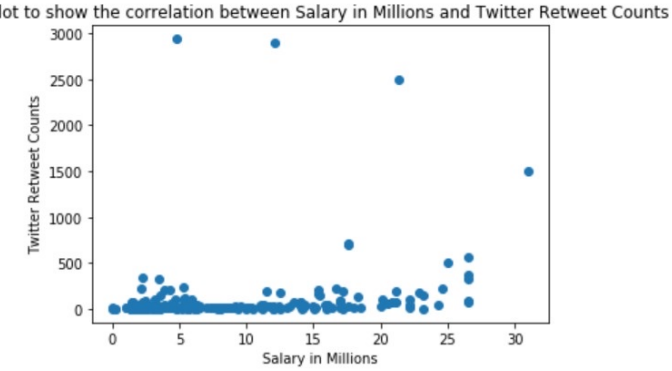
Should we increase salary?
Should we choose the tallest people?
Should we win more?

Should we increase salary?

```
The correlation coefficient is:
[[1.0 0.23715954114701837]
 [0.23715954114701837 1.0]]
```




```
The correlation coefficient is:
[[1.0 0.24048352112049187]
 [0.24048352112049187 1.0]]
```



Based on the graph, we can know that salary and popularity on Twitter do not strongly correlated. As the increase in the salary of a player does not always show an increase in the popularity of his Twitter account. There are also several players that get low salary but very popular on Twitter. Furthermore, the value of the correlation coefficient is just around 0.24 which shows there is a positive correlation between two variables, but it is weak and likely unimportant. Hence we do not need to increase the player's salary to make him more famous on Twitter.

Should we win more?

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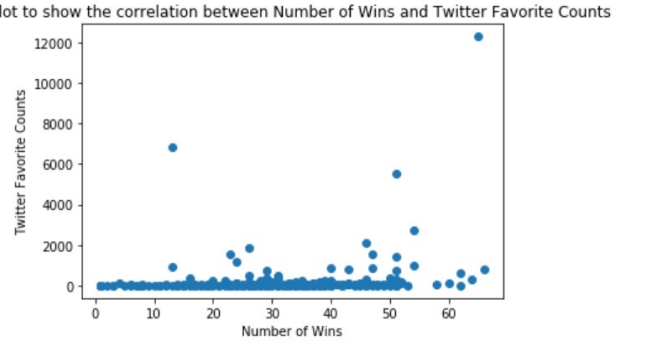
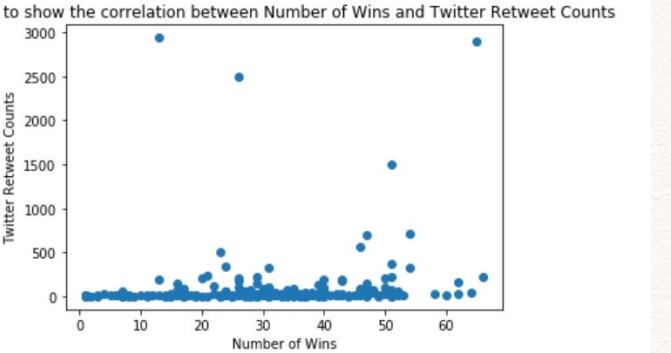
The correlation coefficient is:
[[1.0 0.19251151510650027]
 [0.19251151510650027 1.0]]
```



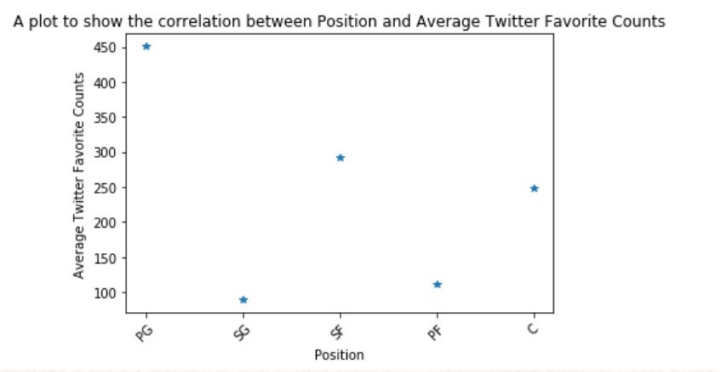

```
The correlation coefficient is:
[[1.0 0.12216506751175456]
 [0.12216506751175456 1.0]]
```

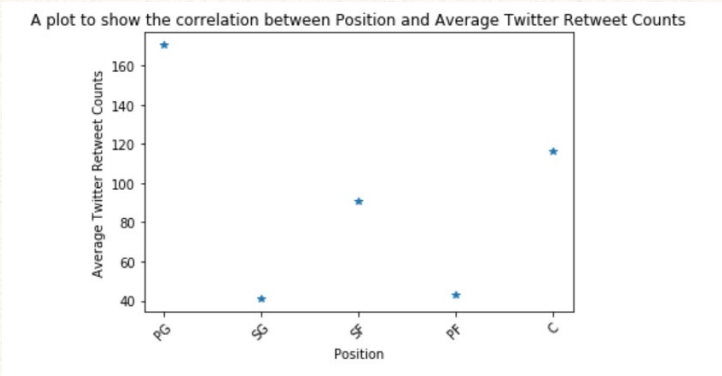


Based on the graph, we can know that the number of wins and popularity on Twitter do not strongly correlated. As the increase in the number of wins of a player does not always show an increase in the popularity of his Twitter account. There are also players who have not won a lot of matches but very popular on Twitter. Furthermore, the value of the correlation coefficient is under 0.2 which shows there is a positive correlation between two variables, but it is very weak and likely unimportant. Hence the players do not always to win to make him more famous on Twitter.

Should we choose the tallest people?

Disclaimer : Since the data does not contain the exact height of the players, I use the general assumption that usually the frontcourt (center and forward) is taller than the guard(point guard and shooting guard). Therefore, it may be biased.





Based on the graph, we can know that the height of the players and his popularity on Twitter do not strongly correlated. As the increase in the height of the players do not always show an increase in the popularity of his Twitter account. For example, the point guard position who usually not a tall player but averagely players from this position is very popular on Twitter. Another example is the center position (the player who is usually the tallest) which should be the most popular but instead is the third most popular. Therefore, the height of the players do not affect their popularity on Twitter. Hence, we do not need to choose the tallest player to make him become a famous person on Twitter.