

Assignment 4: Becoming an Independent Data Scientist

Example Solution

1. Region and Domain

California, Los Angeles, United States

Sports and Athletics

2. Research Question

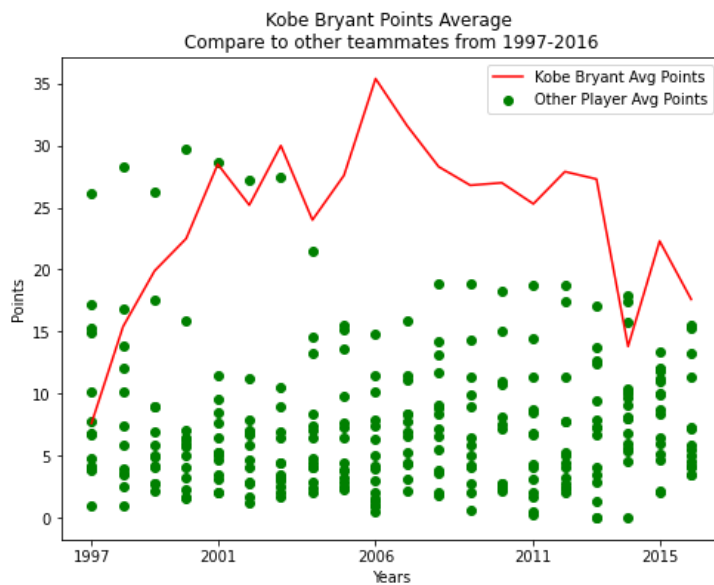
How many points has Kobe Bryant scored on average compared to the average of his teammates during Kobe Bryant's NBA season?

3. Links

<https://www.kaggle.com/datasets/justinas/nba-players-data>

<https://www.kaggle.com/datasets/sumitrodatta/nba-aba-baa-stats>

4. Image



5. Discussion

This visualization provides information to users on the average points scored by professional basketball player Kobe Bryant compared to the average points scored by his teammates in the 18 year period where Kobe Bryant's time playing in the NBA began until he decided to retire in 2016.

The plot indicates the average points scored by Kobe Bryant in each year around 1997 to 2016 while the scatter indicates the average points scored by his teammates. It can be seen that at the beginning

of Kobe Bryant playing basketball in 1997, he was only able to score more than 7 points then the following year rose drastically until it reached its peak in 2001 and then dropped back down.

In 1997-2003 there were several players who were able to score more points than Kobe Bryant, but after that year was over, Kobe Bryant led his own team as the top scorer. We can see that in 2006, Kobe Bryant has scored his highest point, which is approximately 37 points. Until finally in 2014 the points scored decreased drastically, this is because that year Kobe Bryant suffered a serious injury and was unable to play.