Midterm Dataset Description

Currently, there are many rising starts with excellent offensive creativity and fierce ambition to take over the league from the veterans. However, these young bloods are often accused of selfish and arrogant, which harms the team and in turn blocks their way to the championship.

The dataset my analysis will use is the NBA dataset. There are 21 tables in total, and I will be focusing on 2 of them: advanced.csv and opponent total.csv. The link to the original dataset is here:
https://www.kaggle.com/datasets/sumitrodatta/nba-aba-baa-stats.
There are 31085 rows and 32 columns in the advanced dataset, and 1815 rows and 28 columns in the opponent total dataset.

My analysis will discover the relationship between individual performance and team performance. Specifically, I will explore the association between the contribution of an all-star player to his team and the performance of this team at the end of the season. I will evaluate the player's contribution by the usage rate, the game and minutes played, PER(player efficiency rate); I will evaluate the team performance by its number of losses and wins, whether it entered the playoff or not, and the performance of its opponents(field goal percentage, turnovers, etc). I will also inspect the relationship between 3 point field goal rate and proportion to examine the importance of 3 pointers in the current era.