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Title: Predicting NBA Player Salaries based on Performance Statistics

Description: For this project, we would like to explore building a model that can best predict an NBA player's salary based on their performance statistics. With this we would like to answer a few questions: What statistic has the strongest positive correlation with a player's salary? What statistic has the strongest negative correlation with a player's salary? What combination of statistics will best predict a player's salary? In the sports industry, salary decisions can many times be based on unclear logic, with salary cap and fame playing a large role in how a player's salary is determined. Our goal would be to see if there is any sort of statistics and performance indicators involved in the salary decisions across the league. Time permitting, we will compare how various performance statistics have weighed on salaries throughout the years of the league, as play style and skills have changed as the NBA has evolved.

Data:

For salary: https://www.basketball-reference.com/contracts/players.html

This data can be exported and contains the salaries of all NBA players for the current and past years. We will be able to merge it with the statistics data with the player name as the key.

For stats: https://www.basketball-reference.com/leagues/NBA_2022_totals.html

This data can be exported and contains the statistics of all the NBA players for each year that will be merged with the salary data to create a large dataset with all the attributes.