NBA Proposal

Proposed by

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The National Basketball Association is a professional basketball league in North America.

To measure the performance of their players and predict their future performance, statistic will help us to determine that.

Goal:

We'll use NBA season statistics to build a basic linear regression model to predict number of points per game based on the number of field goal attempts.

Question:

- Can a linear regression model predict the number of points in a future games?

Data Description:

In this project, we will obtain data from the NBA API by using the features FGA, GP, and PTS, which have a total of 3582 observations.

To construct the NBA model, we determined that the x-variable will be the number of field goal attempts (FGA) taken and the y-variable will be the number of points per game (PTS).

FGA : The number of field goal attempts.

PTS : The number of points per game.

GP   : The games played.

Tools:

- Pandas
- NumPy
- Sklearn
- requests
- nba_api
- matplotlib
- seaborn
- patsy