**Project Name:** Analyzing National Basketball Association Player Performance, Team Success, and Salary.
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**Question:**

The National Basketball Association (NBA) is a professional basketball league in North America composed of 30 teams (29 in the United States and 1 in Canada). It is one of the major professional sports leagues in the United States and Canada and is considered the premier professional basketball league in the world.[1]  The question is to analyze NBA team performance along with player's performance using performance metrics and the financial investments made in respective team salaries.Then try to understand if there is any correlation between these factors, and how team success can be related to player performance and the allocation of salary resources.

**Data Source 1:** https://www.basketball-reference.com/leagues/NBA_2023.html

The data source is a web page which contains statistical data for basketball, particularly focusing on the National Basketball Association (NBA). The source contains tables containing per game stats, total stats tables along with respective parameters. The data from the total stats table would be extracted using web scraping using BeautifulSoup python library.

**Data Source 2:** https://hoopshype.com/salaries/2022-2023/

The data source is a site that has information on basketball like related news, rumors and salaries data.
The cap salary for NBA teams for the year 2022-2023. The data would be extracted using web scraping using BeautifulSoup python library.

**Data Source 3:** https://www.kaggle.com/datasets/joebeachcapital/nba-player-statistics/data

The data source is a site that provides a dataset for Basketball player performance statistics for the year 2022-2023. The data would be downloaded from the website in CSV format.

References:

[1] https://en.wikipedia.org/wiki/National_Basketball_Association
https://link.springer.com/article/10.1007/s41060-024-00523-y#:~:text=Some%20important%20basketbal l%20metrics%20are,correlated%20with%20these%20mentioned%20above.