**Objective**:   
Creating a dashboard to provide a comprehensive analysis of IPL seasons from 2008 to 2022.  
  
**Analysis**:  
- Virat Kohli leads the runs scored chart with 6634 runs.

- Dwayne Bravo is the leading wicket-taker with 193 wickets.

- Teams bowling first have won more matches, with a win rate of over 53%.

- 15 different teams have participated in the tournament so far.

- A total of 36 stadiums have been used across India, South Africa, and UAE.

- Mumbai Indians have won most number of matches, with a total of 131.

- The Wankhede stadium has hosted the most matches (104) out of all the venues and teams that have fielded first here have won 56% of matches.

- Out of the entire history of IPL, 14 matches have been decided by a Super Over and 19 matches have been decided using the D/L method

- There have been four matches with no results so far in the tournament. Three of these were held in Bengaluru and two of these featured the same teams, RCB and RR (2015,2019), making them the teams most affected by washouts or cancellations.  
  
  
*\*Stats and insights are until 2022 IPL season*  
  
  
  
Overview:  
This project uses Power BI for analysis of IPL data sourced from Kaggle, from gathering stakeholder requirements to importing, cleaning, processing, modeling, and visualizing the data. The resulting interactive report provides insights on player performance, team strategy, and tournament trends, making it a useful tool for strategic planning based on IPL data

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**Data Source:**  
Kaggle   
https://www.kaggle.com/  
  
**Data Preparation:**  
1. Importing flat file into MS SQL database  
2. Changing datatypes of the columns  
3. Importing this database into Power BI  
4. Renaming all columns in both the files to make them fit for use  
5. Replaced city names like Bangalore to Bengaluru to avoid duplicates. Same process was done for Rising Pune Supergiants to Rising Pune Supergiant, KXIP to Punjab Kings etc. This was done to keep the data uniform  
6. Overs were in the range 0-5, changed them to the range 1-6 to make it similar to normal format used in cricket.  
7. Data extracted was not in correct grammatical format. Applied cleaning techniques like capitalizing, formatting and replacing to make the data more readable without altering its original context.  
8. Created a Calendar Table to act as the central date table  
9. Created a Teams Table that will contain short names of teams to be used in visuals.  
10. Created a measures table to store all the measures.  
11. Connecting all the tables using common columns.  
  
  
**Data Visualization:**  
1. Cards displaying Title Winner, Orange Cap Holder, Purple Cap Holder, Total 4’s and 6’s.  
2.