**IPL Cricket Analysis Dashboard**

Creating a **dashboard for IPL Cricket Analysis** **Power BI** requires defining the key **reporting requirements**, data sources, and visualizations to analyse IPL matches effectively. Below is a structured approach to designing Power BI dashboard.

**Power BI Implementation Steps:**

* Open Power BI Desktop with blank report.
* In Data section Click "get data" → "Import Data" → ".csv" and select your dataset (df\_batting.csv).
* Load the data into Power BI.
* Clean and transform data using Power Query

**Keys Data visualizations:**

##### **A. Slicer**

* **Batsman Name Filter:** Dropdown selection to analyse individual player performance.
* **Team Innings Selection:** Clickable buttons to filter data by team.

##### **B. Cards**

* **Balls Faced:** Displays the total number of balls faced by all batsmen.
* **Strike Rate:** Shows the calculated strike rate of players.
* **6s & 4s sum:** Shows the number of sixes and fours hit.
* **Total Runs:** Displays total accumulated runs.

**C. Stacked Column chart (Sum of Runs by Team Innings (Bar Chart)**

* + Displays total runs scored by each team.
  + Sri Lanka, Ireland, and India are among the top run-scoring teams.

**D. Scatter Plot (Sum & Average of Runs by Team and Match ID)**

* + X-axis: Match ID
  + Y-axis: Sum of Runs
  + Size: Average Runs per Match
  + Legend: Teams (color-coded for each team)
  + Helps analyse team performance over multiple matches.

**E. Line Chart (Average of Runs by Batting Position)**

* + Displays how batting positions impact average runs.
  + Shows a trend where top-order batsmen generally score higher than lower-order batsmen.

**F. Pie Chart (Count of Batsmen by Out/Not Out)**

* + Highlights the proportion of batsmen who got out versus those who remained not out.
  + Majority of batsmen got out, while remained not out.