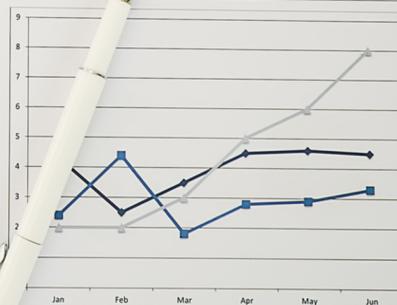
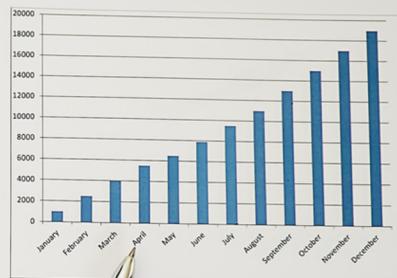


Let's Start

# IPL Analysis Dashboard & Insight

By Yousaf Rao

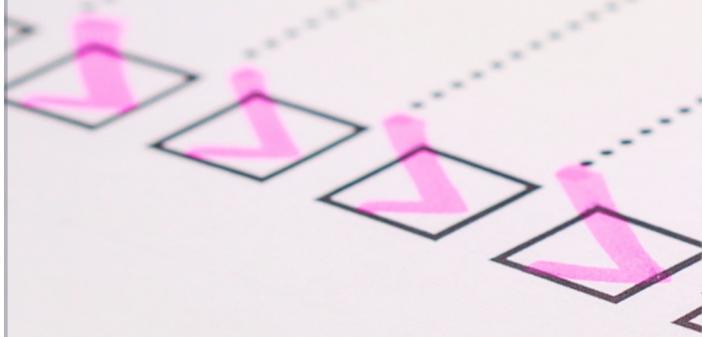


# Agenda



**Overview**  
**Recomendation**  
**Problem Breakdown**  
**Question Insight**  
**Dashboard**

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## Overview

An IPL match is a cricket game where two teams compete to score the most runs. The team with the highest score wins.

- Key Points:

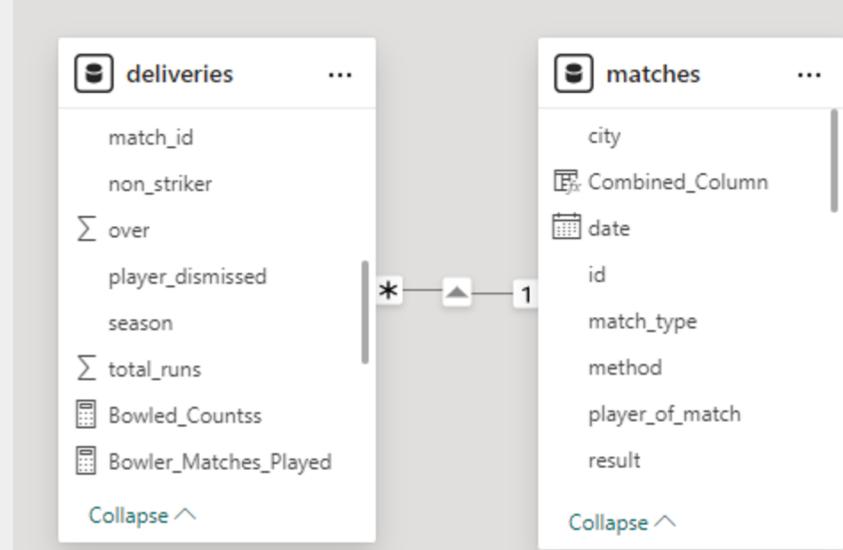
- Innings: Each team gets one turn to bat and one to field
- Runs: Points scored by hitting the ball and running between the wickets.
- Wickets: When a batter is dismissed, reducing the team's batting strength



- **match\_id:** Unique identifier for each match. . . . .
- **inning:** Indicates the inning (1st or 2nd). . . . .
- **batting\_team:** Team currently batting. . . . .
- **bowling\_team:** Team currently bowling. . . . .
- **over:** The over number within the inning. . . . .
- **ball:** The ball number within the over. . . . .
- **batter:** Name of the batsman facing the ball. . . . .
- **bowler:** Name of the bowler delivering the ball. . . . .
- **non\_striker:** Name of the non-striker batsman. . . . .
- **batsman\_runs:** Runs scored by the batter on the delivery. . . . .
- **extra\_runs:** Runs awarded due to extras (e.g., no-balls, wides). . . . .
- **total\_runs:** Total runs scored on the delivery (batsman + extras). . . . .
- **extras\_type:** Type of extra run (e.g., wide, no-ball). . . . .
- **is\_wicket:** Indicates if a wicket fell (True/False). . . . .
- **player\_dismissed:** Name of the player who was dismissed. . . . .
- **dismissal\_kind:** Type of dismissal (e.g., caught, bowled). . . . .
- **fielder:** Name of the fielder involved in the dismissal. . . . .
- **season:** IPL season or year of the match. . . . .

- **match\_id:** Unique identifier for each match.
- **season:** IPL season or year when the match took place.
- **city:** City where the match was played.
- **date:** Date of the match.
- **match\_type:** Type of the match (e.g., league, playoff).
- **player\_of\_match:** Name of the player awarded Player of the Match.
- **venue:** Stadium or ground where the match was held.
- **team1:** First team playing in the match.
- **team2:** Second team playing in the match.
- **toss\_winner:** Team that won the toss.
- **toss\_decision:** Toss winner's decision (e.g., bat or bowl).
- **winner:** Team that won the match.
- **result:** Outcome of the match (e.g., win, no result).
- **result\_margin:** Margin of victory (e.g., runs or wickets).
- **target\_runs:** Runs set as the target by the team batting first.
- **target\_overs:** Overs available to the team chasing the target.
- **super\_over:** Indicates if a Super Over was played (Yes/No).
- **method:** Method used to determine the result if the match was affected by weather (e.g., DLS).
- **umpire1:** Name of the first umpire officiating the match.
- **umpire2:** Name of the second umpire officiating the match.

# Data Modeling



# **Questions & Insight**

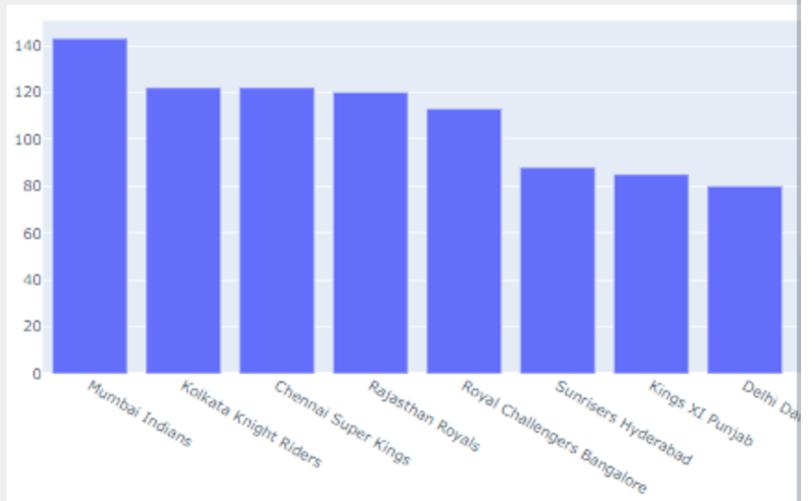


## Question 1

How many tosses has each team won?

### Insight:

Mumbai Indian lead  
consistent perfomance  
potntial focus area  
Strategies Implication

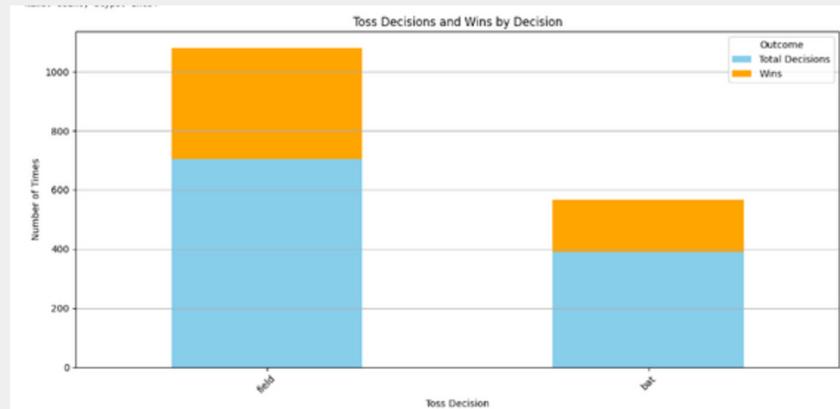


## Question 2

How does the toss decision impact likelihood of winning the match ?

### Insight:

Teams that choose to field after winning the toss have a higher win rate compared to those that opt to bat.

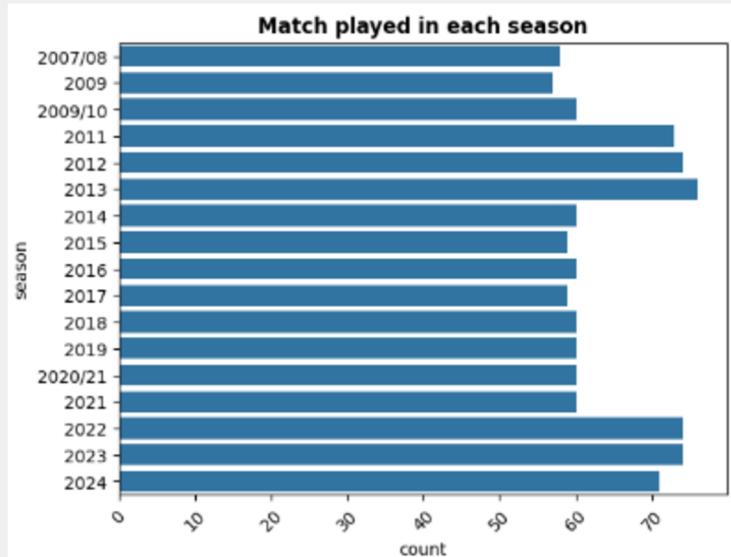


## Question 3

How has the number of matches played in each IPL season varied over the years?

### Insight:

The number of matches played each season has generally increased, reflecting the growth and expansion of the IPL, particularly in recent years.



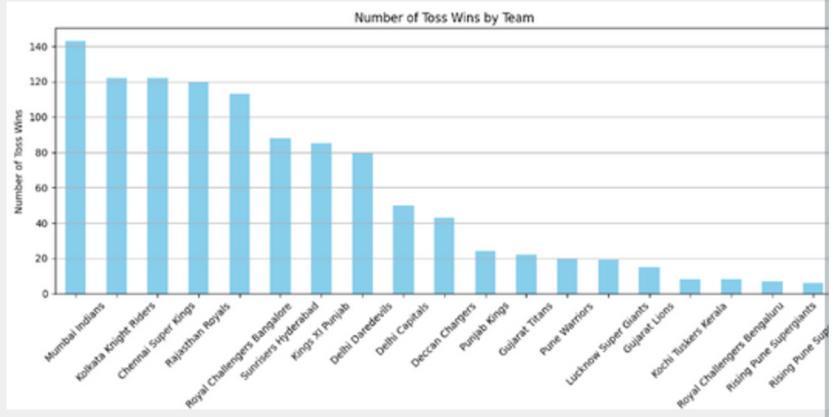
## Question 4

Which team has won the most tosses in IPL history?

### Insight:

Mumbai Indians lead in toss wins, giving them a frequent strategic advantage throughout IPL seasons

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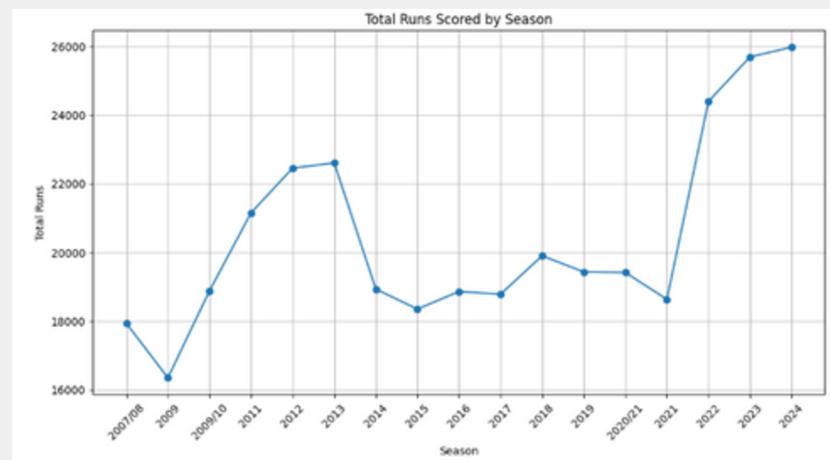


## Question 5

How have total runs scored in the IPL changed across seasons?

### Insight:

The total runs scored in the IPL have generally increased over time, with significant spikes in recent seasons, indicating more aggressive batting and possibly higher-scoring matches.

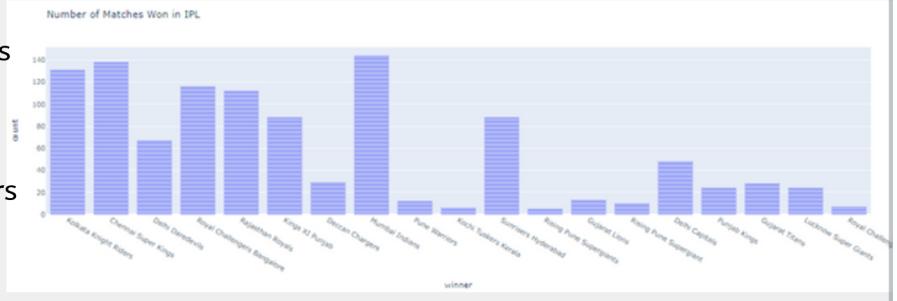


## Question 6

Which team has won the most matches in IPL history?

### Insight:

Mumbai Indians lead the IPL in terms of the number of matches won, showcasing their dominance in the league. Other teams like Chennai Super Kings and Kolkata Knight Riders also have strong win records, highlighting their consistent performances over the seasons.

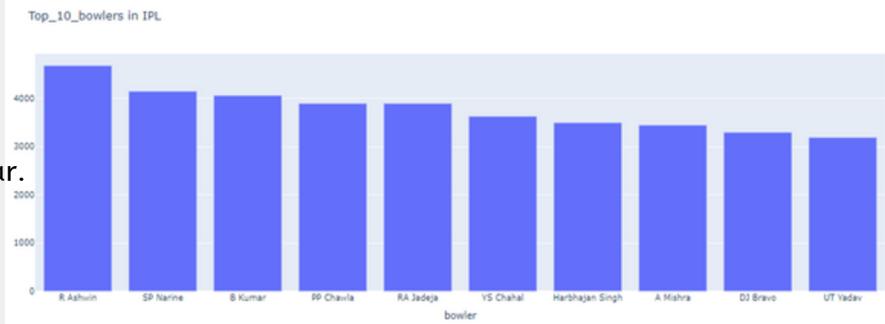


## Question 7

Who are the top bowlers in IPL history based on performance?

### Insight:

Ravichandran Ashwin leads among the top 10 bowlers in the IPL, with strong performances also seen from Sunil Narine and Bhuvneshwar Kumar. These bowlers have consistently contributed to their teams' successes over multiple seasons.



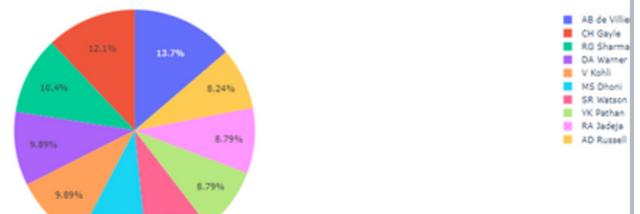
## Question 8

Who are the players with the most "Player of the Match" awards in IPL history?

### Insight:

AB de Villiers leads the chart with the most "Player of the Match" awards, followed by Chris Gayle and Rohit Sharma, highlighting their consistent match-winning performances in the IPL.

Players of matches

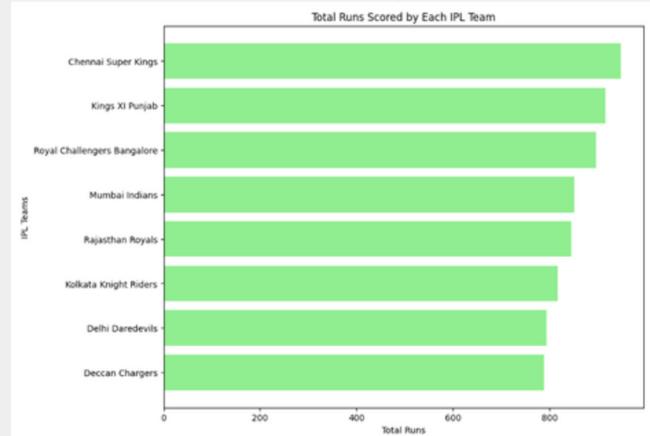


## Question 9

Which IPL team has scored the most total runs?

### Insight:

Chennai Super Kings lead in total runs scored, followed closely by Kings XI Punjab and Royal Challengers Bangalore, indicating strong and consistent batting performances across IPL seasons.

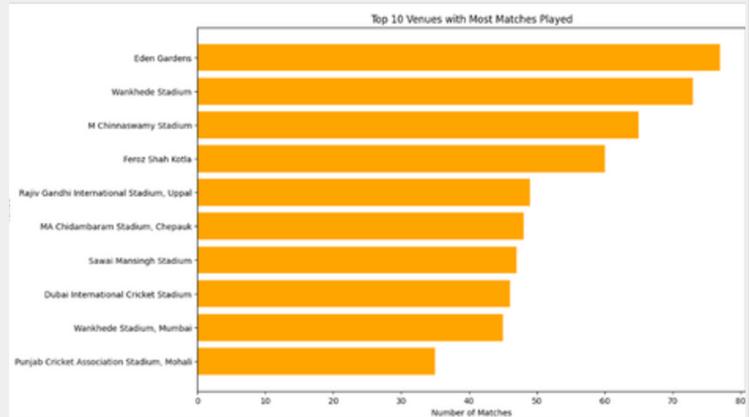


## Question 9

Which venues have hosted the most IPL matches?

### Insight:

Eden Gardens has hosted the most IPL matches, followed closely by Wankhede Stadium and M Chinnaswamy Stadium, making these venues iconic in the history of the IPL.



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