

Analyzing the IPL Dataset (2008-2023)

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Introduction:

The project "Analyzing the IPL Dataset (2008-2023)" focuses on exploring comprehensive data from the Indian Premier League (IPL) over a 15-year period. The dataset includes two CSV files: one containing match summaries (matches.csv) and another detailing ball-by-ball events (deliveries.csv). This analysis provides insights into match outcomes, player performances, key moments, and trends across multiple IPL seasons, allowing for a deeper understanding of the tournament's dynamics and evolution.



Tools Used

- Power BI
- Power Query
- Dax Query
- Data modeling

Requirement

Develop a IPL Dashboard for season 2008 to 2022 to have a detailed insight on below problem statements

- Find the Title Winner, Orange cap winner, Purple cap winner, Tournament 6's and 4's for the respective seasons on IPL.
- Develop IPL batting and bowling stats and add a filter where user can select the bowler and batsman to see these stats.
- Winning percentage based on the toss decision.
- Matches Win by venue.
- Total wins by team in a season.
- Matches won based on the result type.



IPL DASHBOARD(2008 - 2023)

Season

2021

TITLE WINNER

Chennai Super
Kings



ORANGE CAP

RD Gaikwad



PURPLE CAP

HV Patel



TOTAL 6'S

687



TOTAL 4'S

1551



IPL Batting Stats



Select Batsman

V Kohli

TOTAL
RUNS
405

TOTAL 4'S
43

TOTAL 6'S
9

STRIKE RATE
116.71

IPL Bowling Stats



Select Bowler

Mohammed Shami

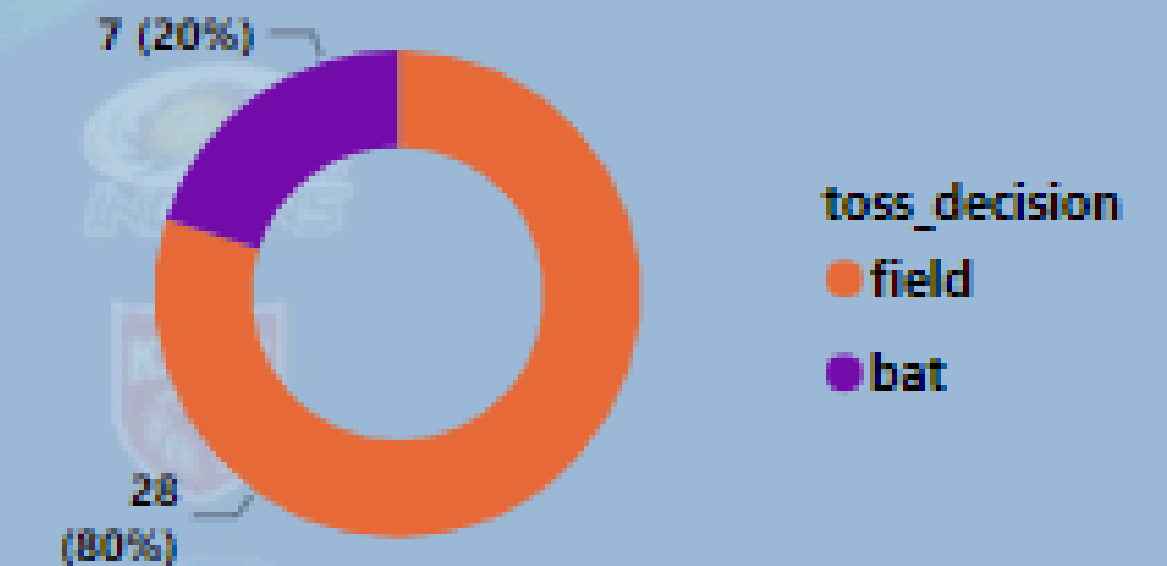
TOTAL
WICKET
19

ECONOMY
RATE
7.4

TOTAL DOT
BALL
141

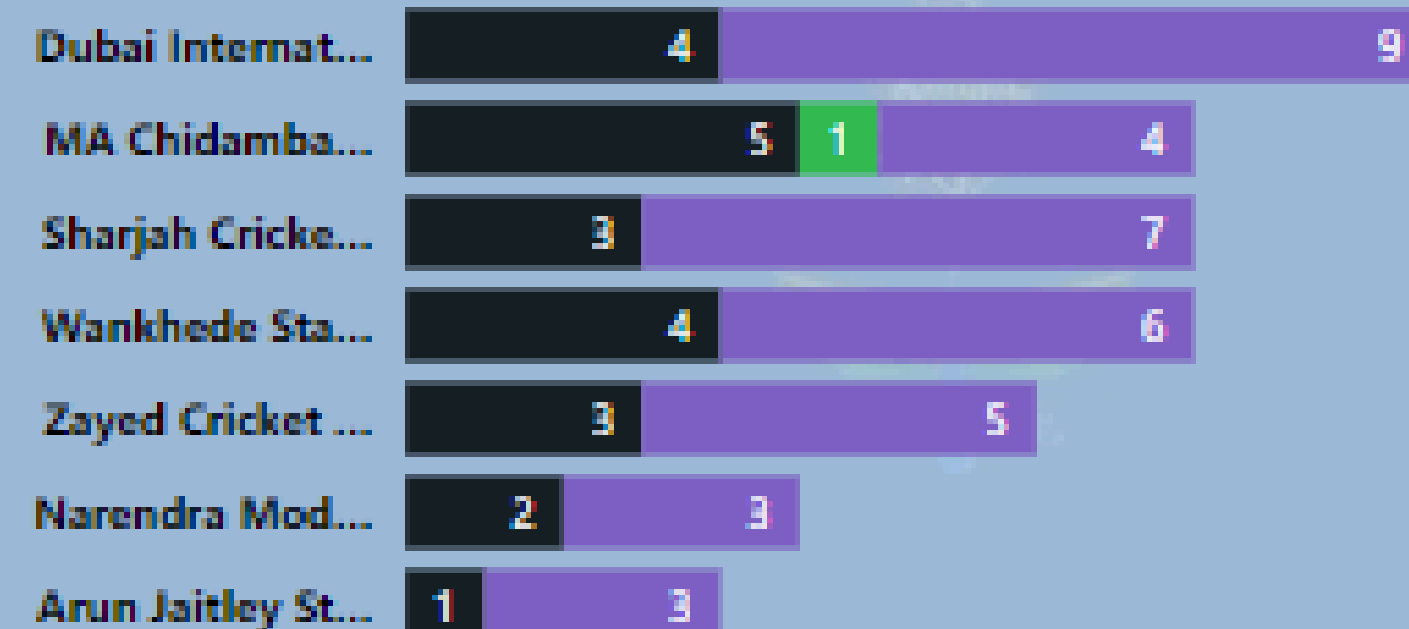
BOWLING AVG
20.00

Match won by toss decision

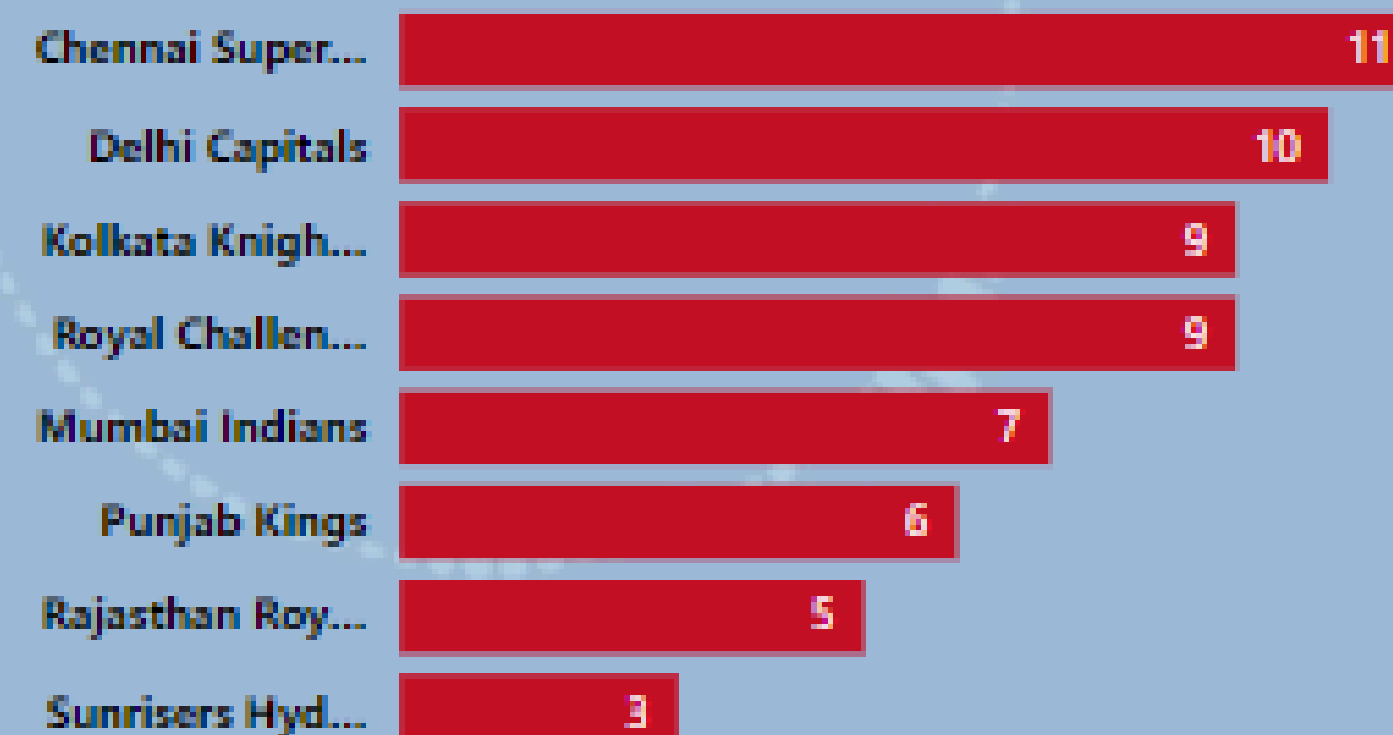


Matches Win by Venue

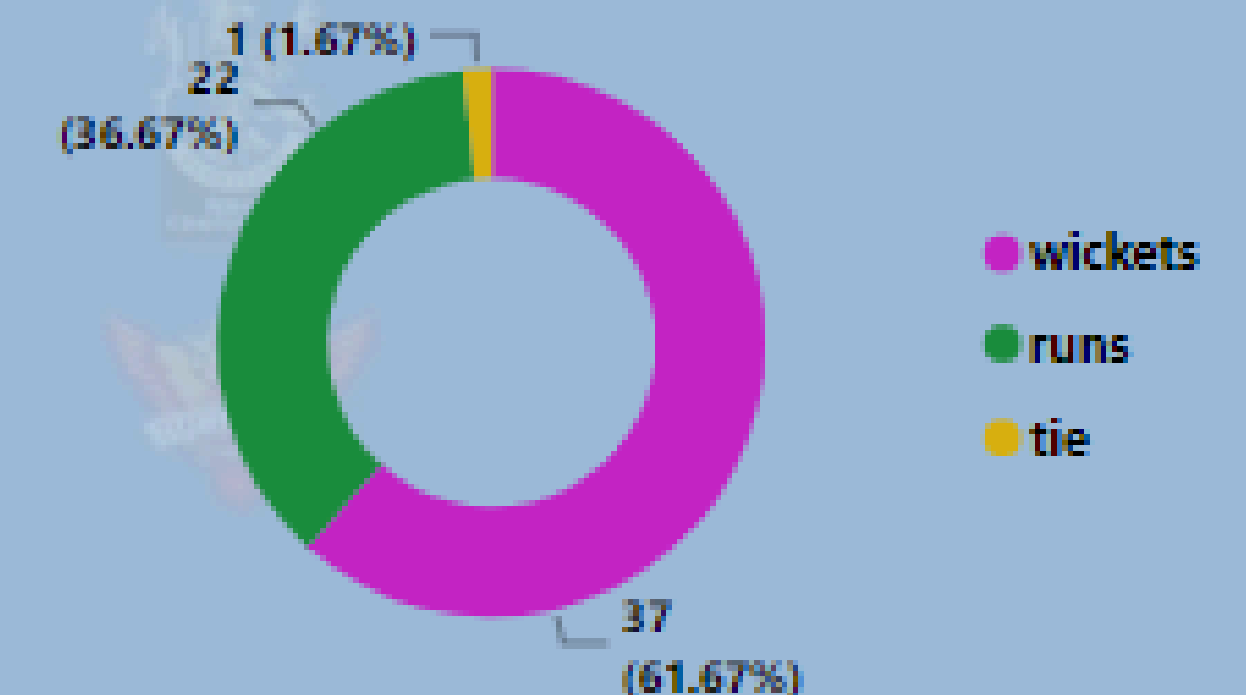
Result ● runs ● tie ● wickets



Total Wins by Teams for Season

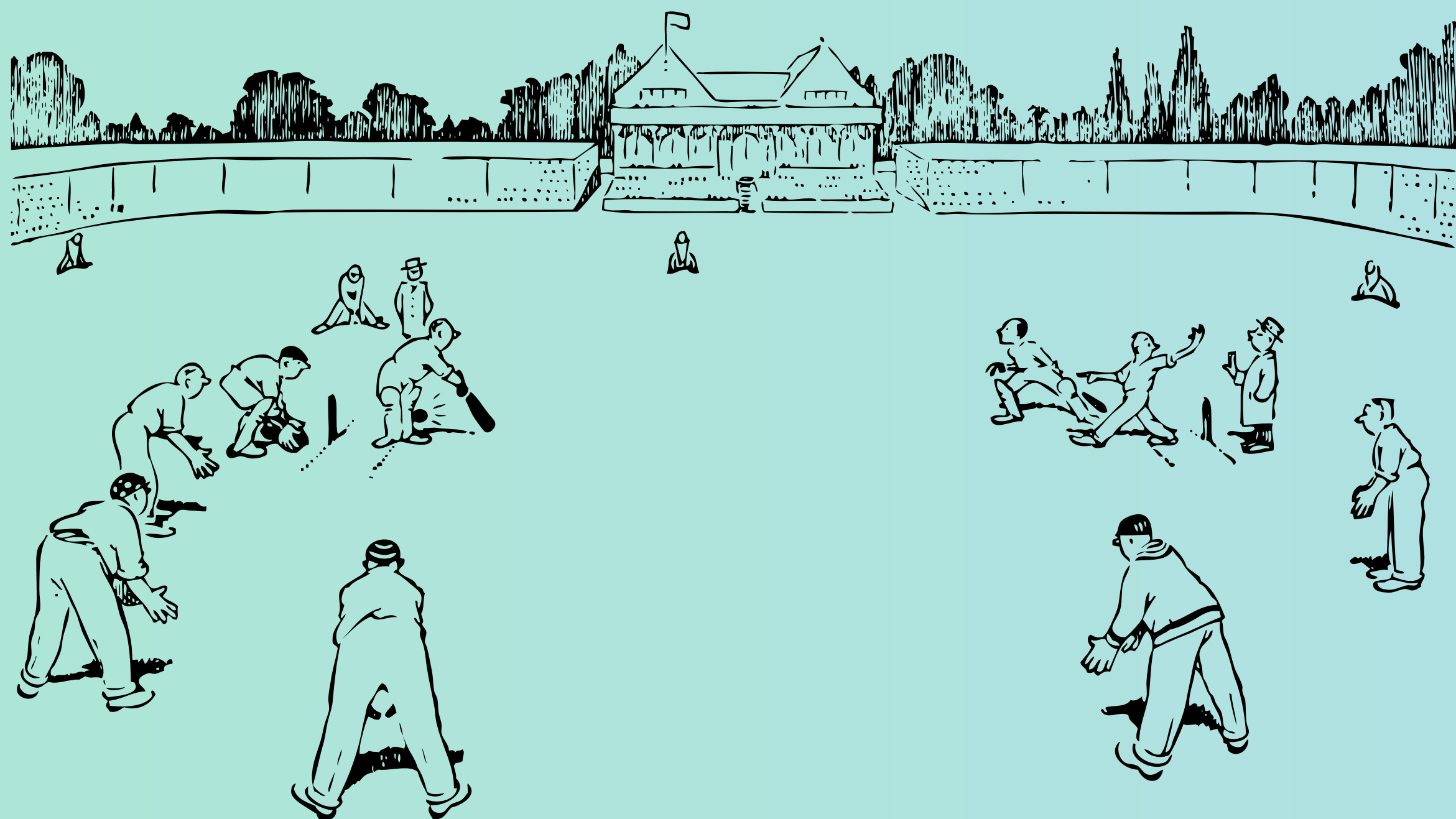


Matches won by Result Type



Insights:

- Over the 2008-2023 period, Chennai Super Kings and Mumbai Indians have the most title wins.
- The average number of sixes and fours per match has increased, indicating more aggressive batting strategies over the years.
- Virat Kohli leads in total runs scored across all seasons and David Warner has won the Orange cap most of the times(3 times).
- DJ Bravo take most of the wickets across all seasons .
- In the history of IPL the teams who have fielded first have won the most number of matches.
- Mumbai Indians won the most matches from 2008 to 2023.



Thank You