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# IPL Visualisation Assignment

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UPGRAD – CHANDIGARH UNIVERSITY – M.SC. IN DATA SCIENCE

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# Agenda

01 Objectives

02 Match Statistics

03 Player Statistics

04 Team Statistics

05 Summary

# 01 Objectives

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# Objectives

## Match Statistics

- Toss outcome vs Match outcome (for each Ground/Venue)
- Biggest wins (by runs and by wicket)
- Highest totals (across all the seasons)

## Player Statistics

- Orange Cap contenders (The batsmen who have scored the maximum number of runs in a particular season)
- Purple Cap contenders (The bowlers who have taken the maximum number of wickets in a particular season)
- Batsmen who have hit the most number of fours and sixes (per season and overall)

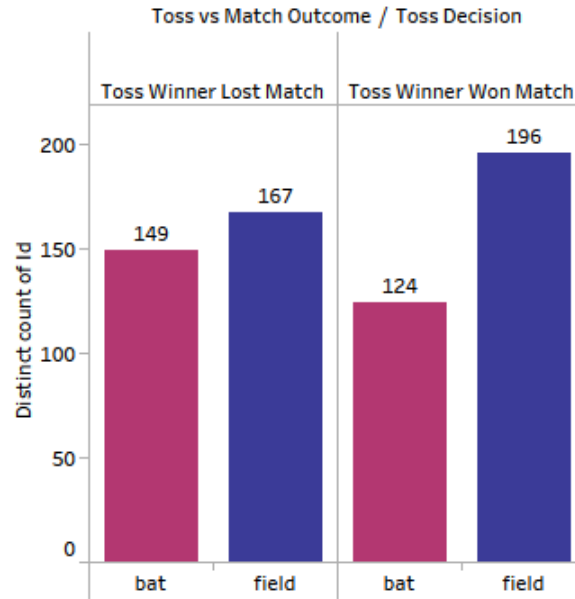
## Team Statistics

- Season-wise team performance (wins vs losses)
- Win %age ( home vs away)

# 02 Match Statistics - Dashboard

# Match Statistics Dashboard

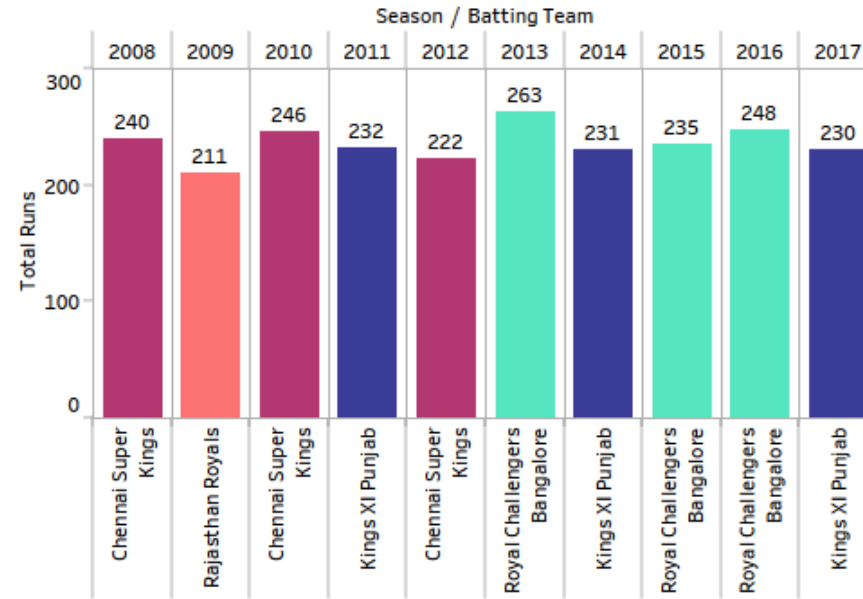
## Toss outcome vs Match outcome



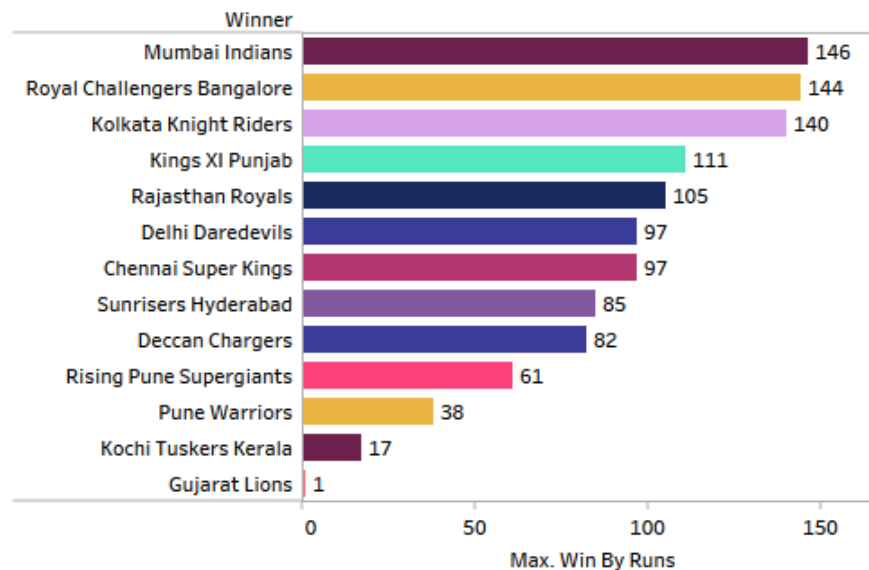
### Venue

- ☒ Barabati Stadium
- ☒ Brabourne Stadium
- ☒ Buffalo Park
- ☒ De Beers Diamond Oval
- ☒ Dr DY Patil Sports Acad..
- ☒ Dr. Y.S. Rajasekhara Re..
- ☒ Dubai International Cric..
- ☒ Eden Gardens
- ☒ Feroz Shah Kotla
- ☒ Green Park
- ☒ Himachal Pradesh Crick..
- ☒ Holkar Cricket Stadium
- ☒ JSCA International Stad..
- ☒ Kingsmead
- ☒ M Chinnaswamy Stadium
- ☒ MA Chidambaram Stadi..
- ☒ Maharashtra Cricket As..
- ☒ Nehru Stadium
- ☒ New Wanderers Stadium
- ☒ Newlands

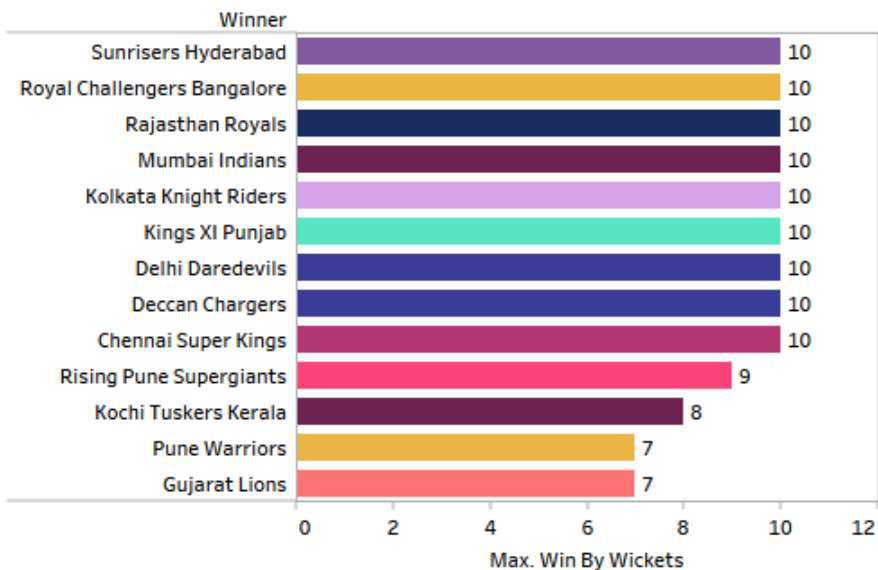
## Highest totals across all the seasons



## Biggest wins by runs



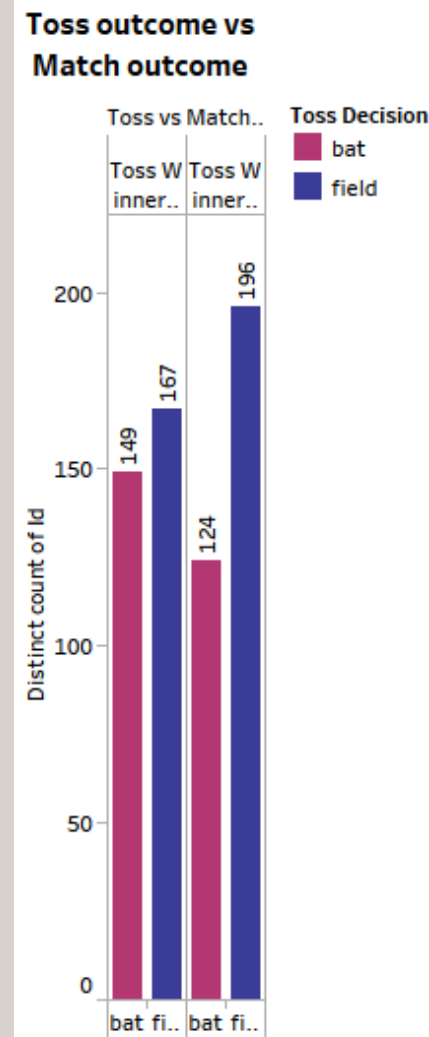
## Biggest wins by wicket



# Toss outcome vs Match outcome

## Insights

- 320 times Toss Winner team also won the match
- 316 times Toss Winner team lost the match
- We can see from the graph that Toss Winner team prefers taking FIELD the most (363 times)

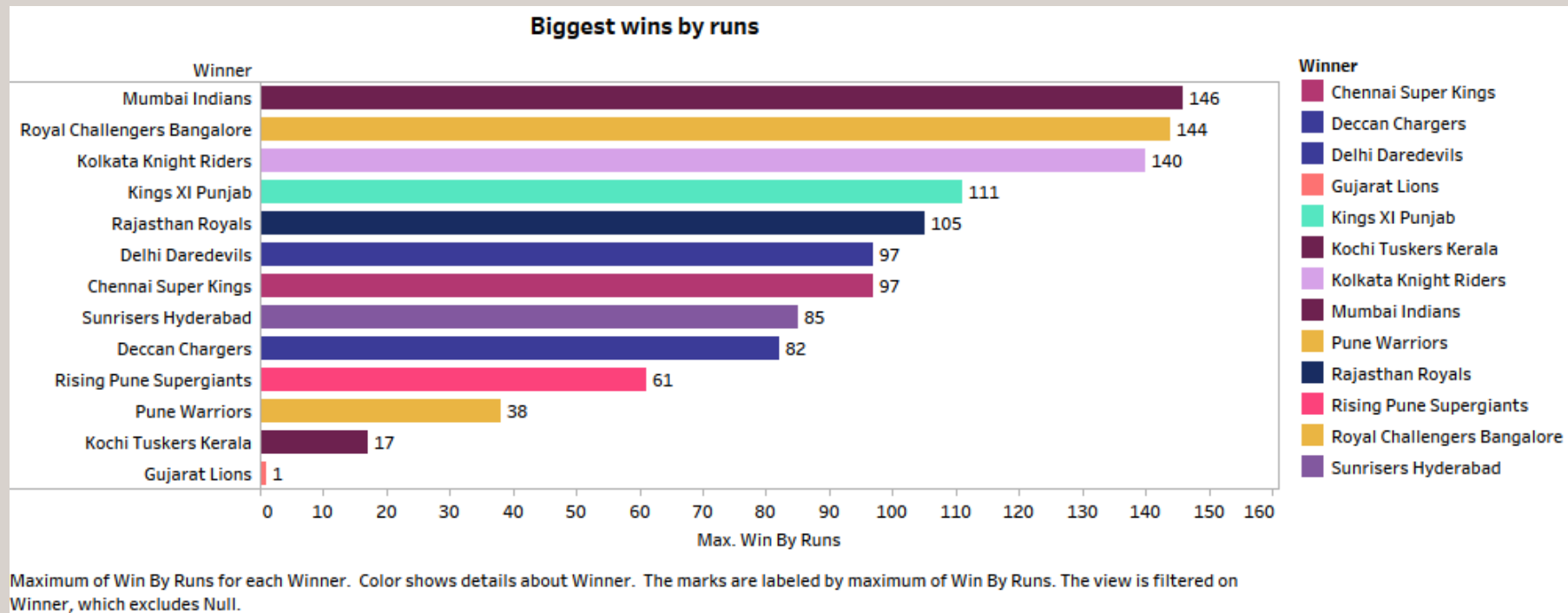


Distinct count of Id for each Toss Decision broken down by Toss vs Match Outcome. Color shows details about Toss Decision. The marks are labeled by distinct count of Id. Details are shown for Toss Decision. The data is filtered on Venue, which keeps 35 of 35 members.

# 02.2 Biggest wins by runs

## Insights

- "Mumbai Indians" has won the match with biggest margin – 146 runs.
- "Gujarat Lions" has won the match with lowest margin – 1 run.

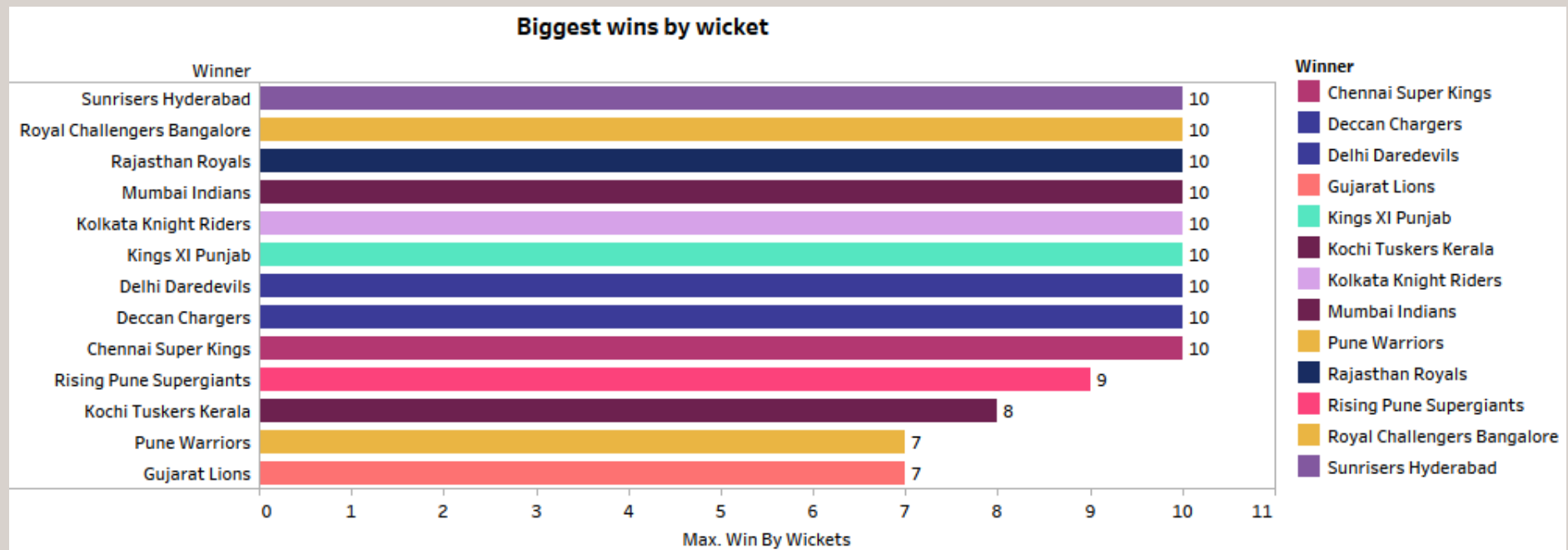




# 02.3 Biggest wins by wicket

## Insights

- Many teams were able to win the match by 10 wicket in hand.

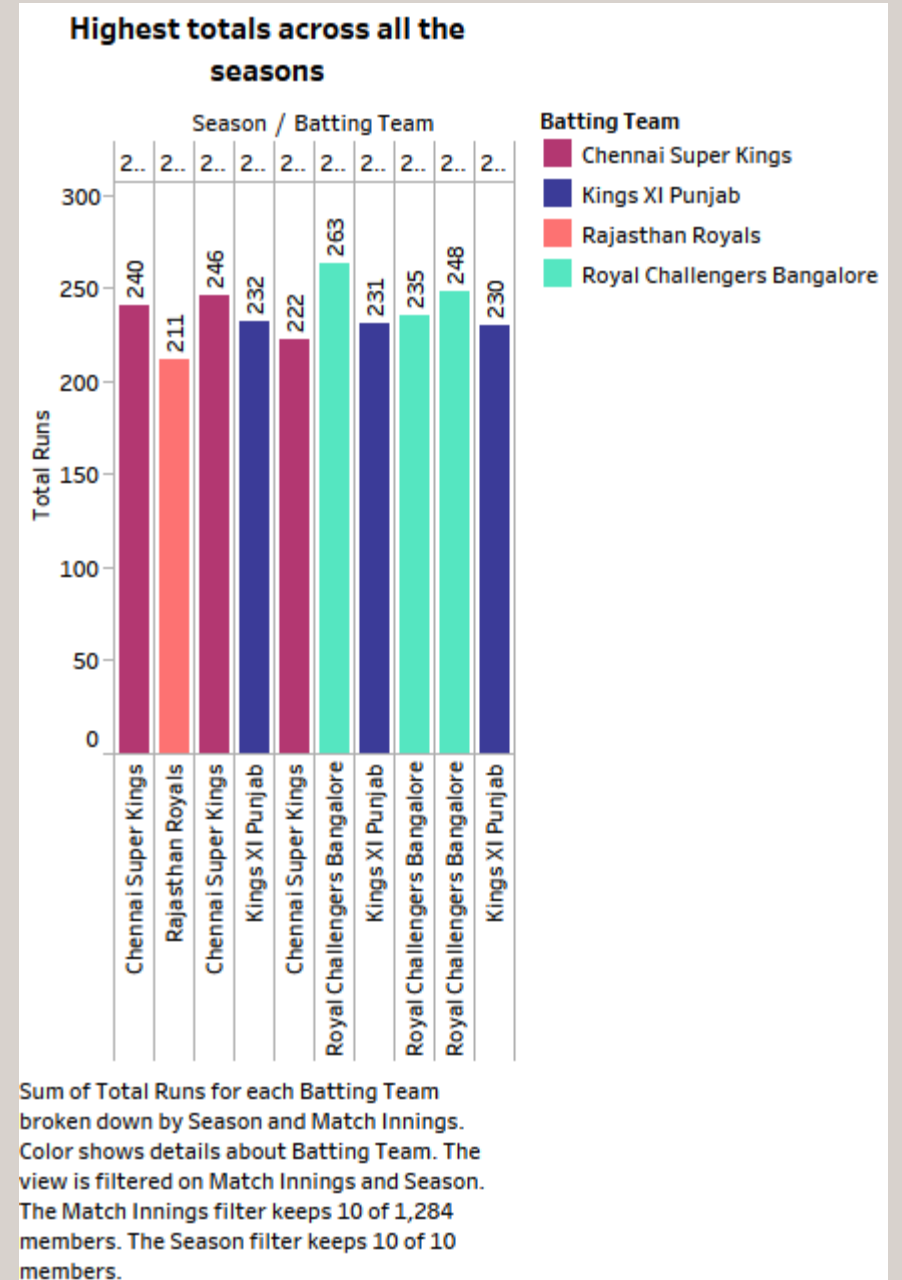


Maximum of Win By Wickets for each Winner. Color shows details about Winner. The marks are labeled by maximum of Win By Wickets.

# 02.4 Highest totals

## Insights

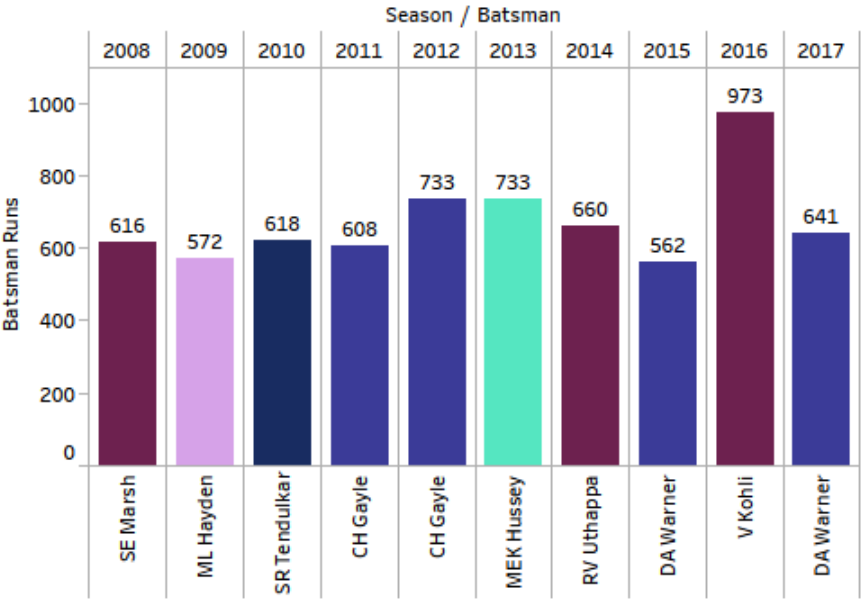
- Mostly all team were able to score more than 200 runs as their highest total



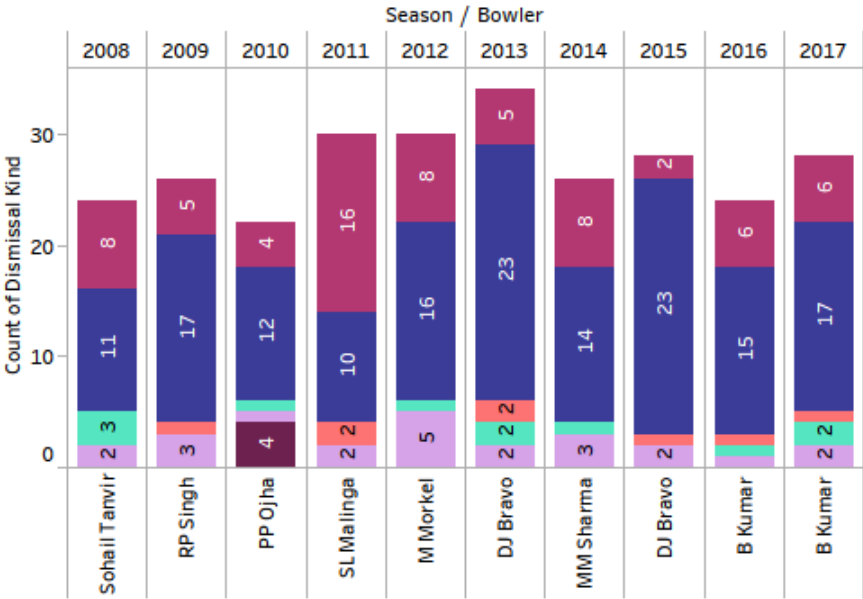
# 03 Player Statistics - Dashboard

# Player Statistics Dashboard

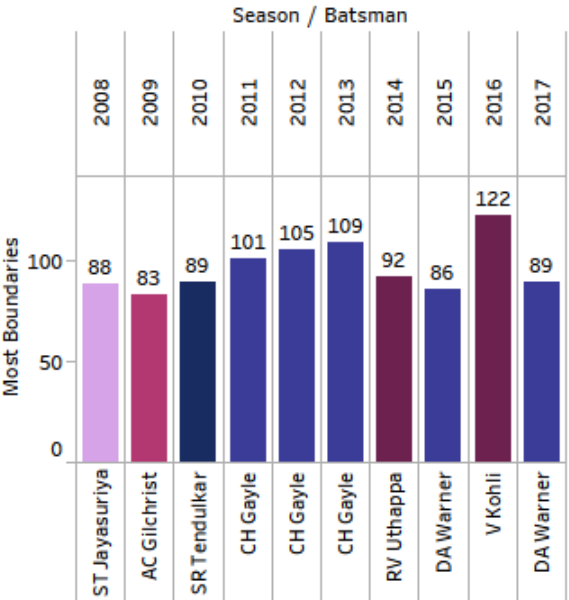
Orange Cap contenders



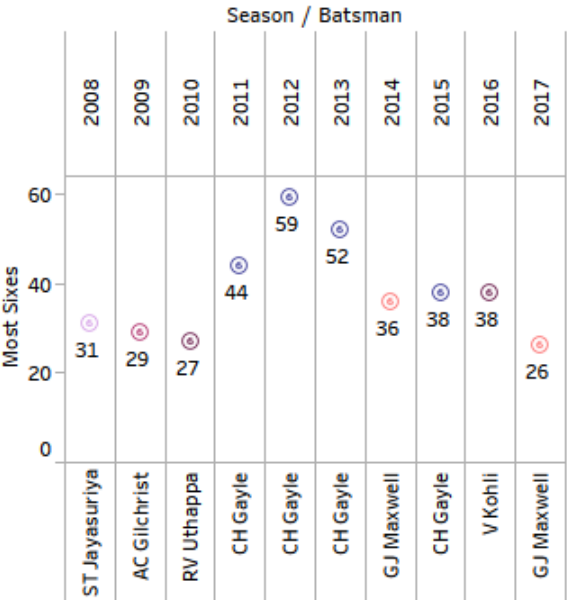
Purple Cap contenders



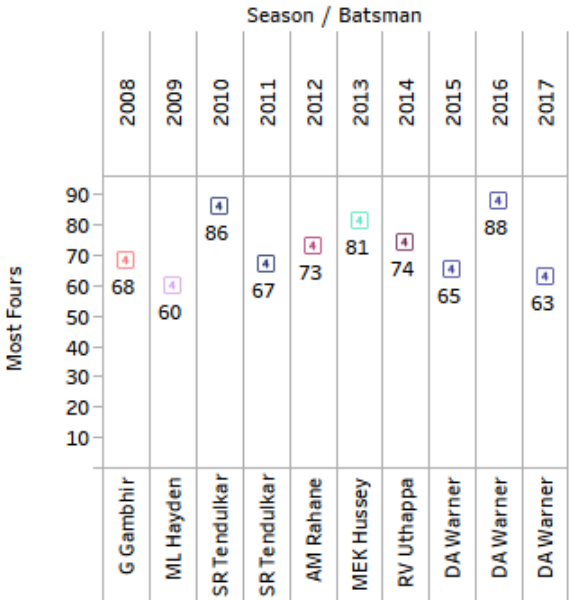
Most Boundaries by Batsman



Most Sixes by Batsman



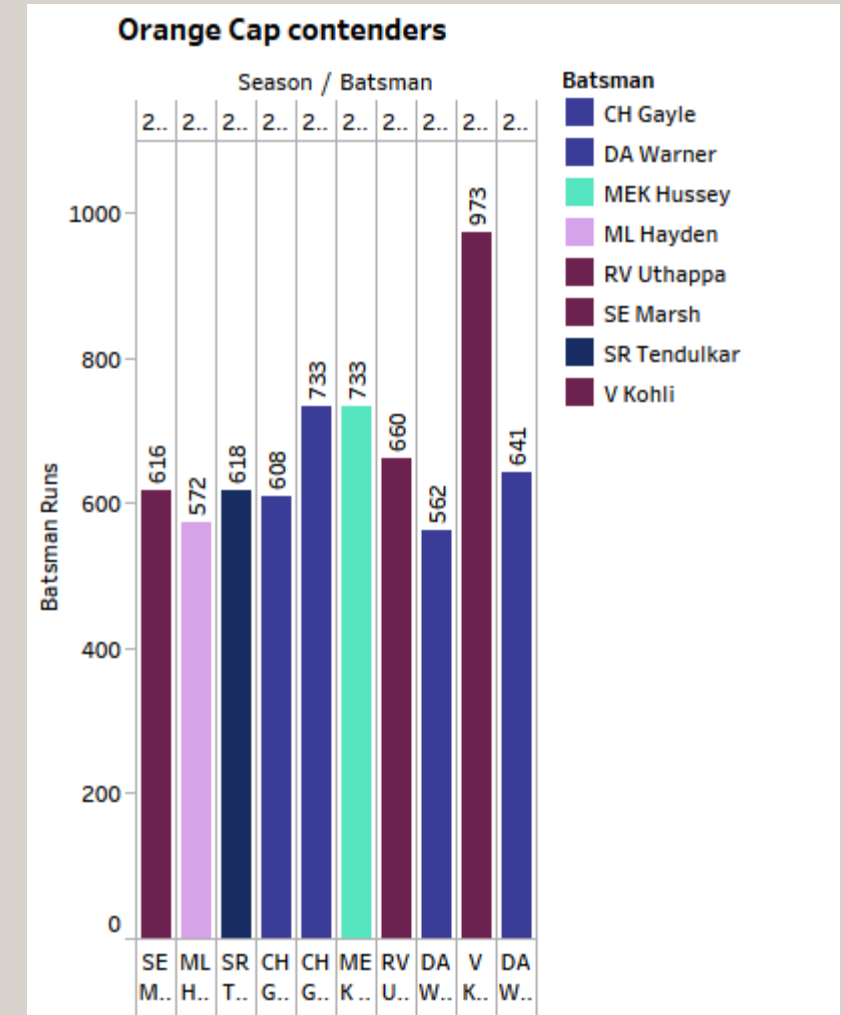
Most Fours by Batsman



# 03.1 Orange Cap contenders

## Insights

- "C H Gayle" and "D A Warner" have hit most number of fours and sixes
- "V Kohli" has hit the highest 973 runs in a single season

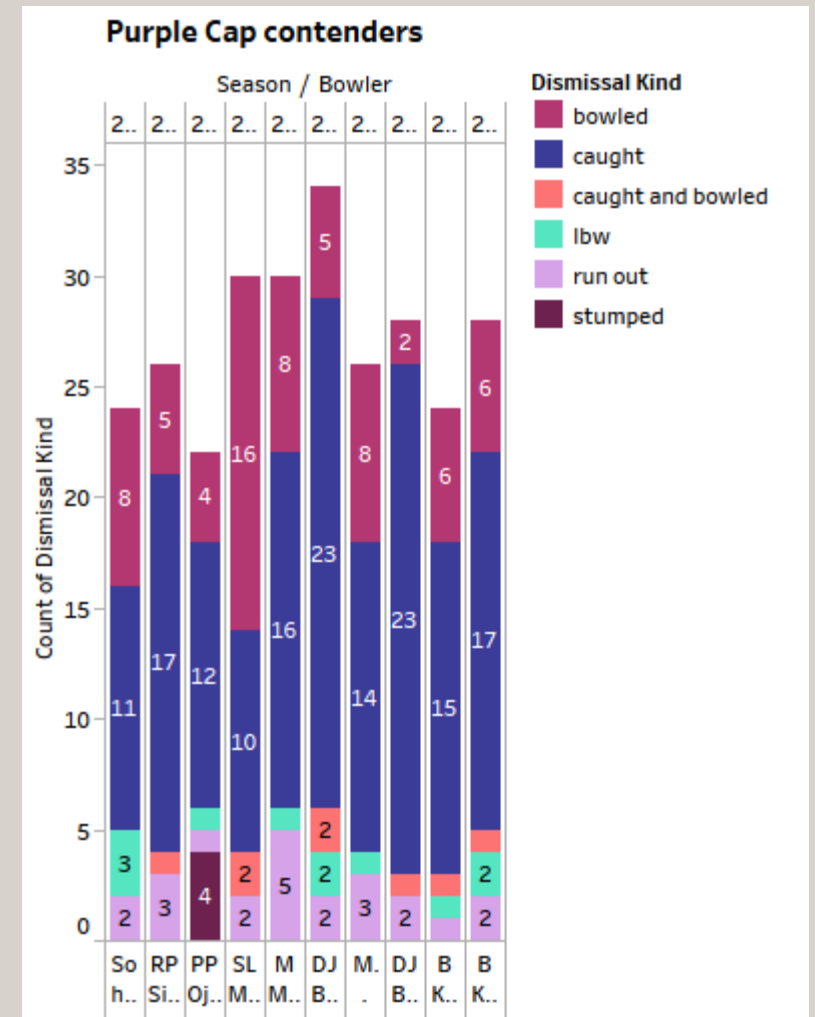


Sum of Batsman Runs for each Batsman broken down by Season. Color shows details about Batsman. The marks are labeled by sum of Batsman Runs. The view is filtered on Season, Batsman and Exclusions (Batsman,Season). The Season filter keeps 10 of 10 members. The Batsman filter keeps 8 of 461 members. The Exclusions (Batsman,Season) filter keeps 1,478 members.

# 03.2 Purple Cap contenders

## Insights

- "D J Bravo" and "B Kumar" have taken the maximum number of wickets in multiple seasons
- "D J Bravo" has taken the highest 34 wickets in a single season

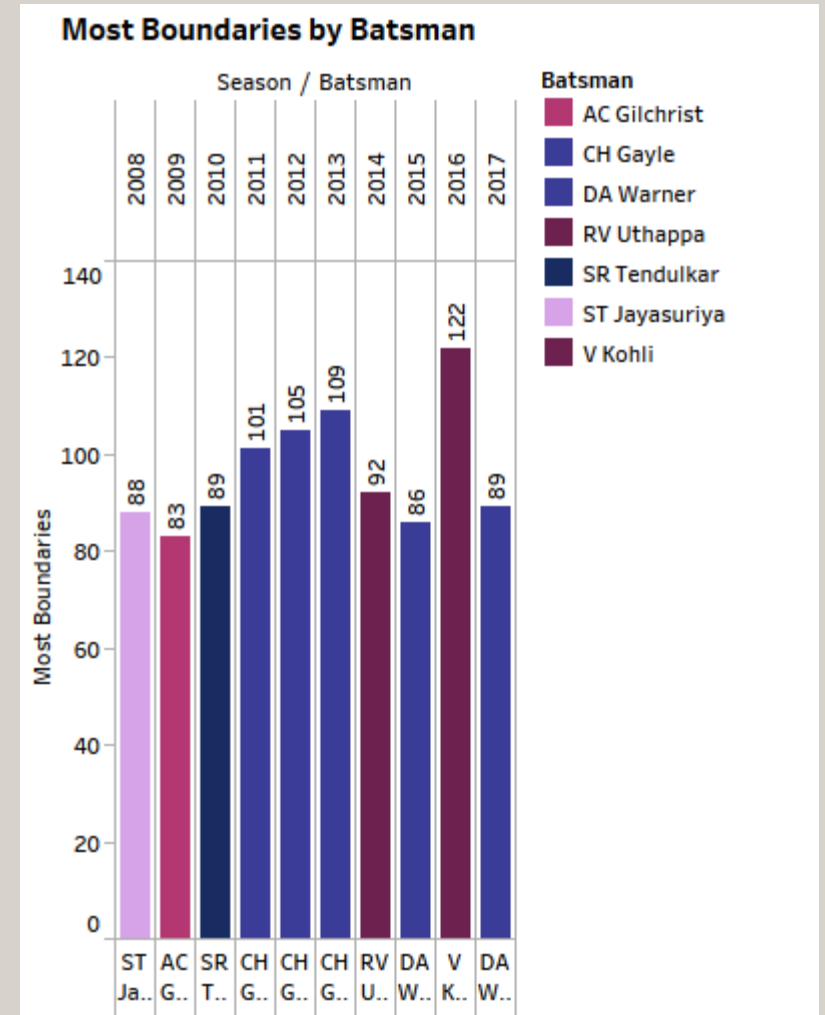


Count of Dismissal Kind for each Bowler broken down by Season. Color shows details about Dismissal Kind. The marks are labeled by count of Dismissal Kind. The view is filtered on Season, Bowler, Exclusions (Bowler,Season) and Dismissal Kind. The Season filter keeps 10 of 10 members. The Bowler filter keeps 8 members. The Exclusions (Bowler,Season) filter keeps 1,100 members. The Dismissal Kind filter excludes Null.

# 033 Most Boundaries by Batsman

## Insights

- "C H Gayle" and "D A Warner" have hit most number of boundaries in multiple seasons
- "V Kohli" has hit the highest 122 boundaries in a single season

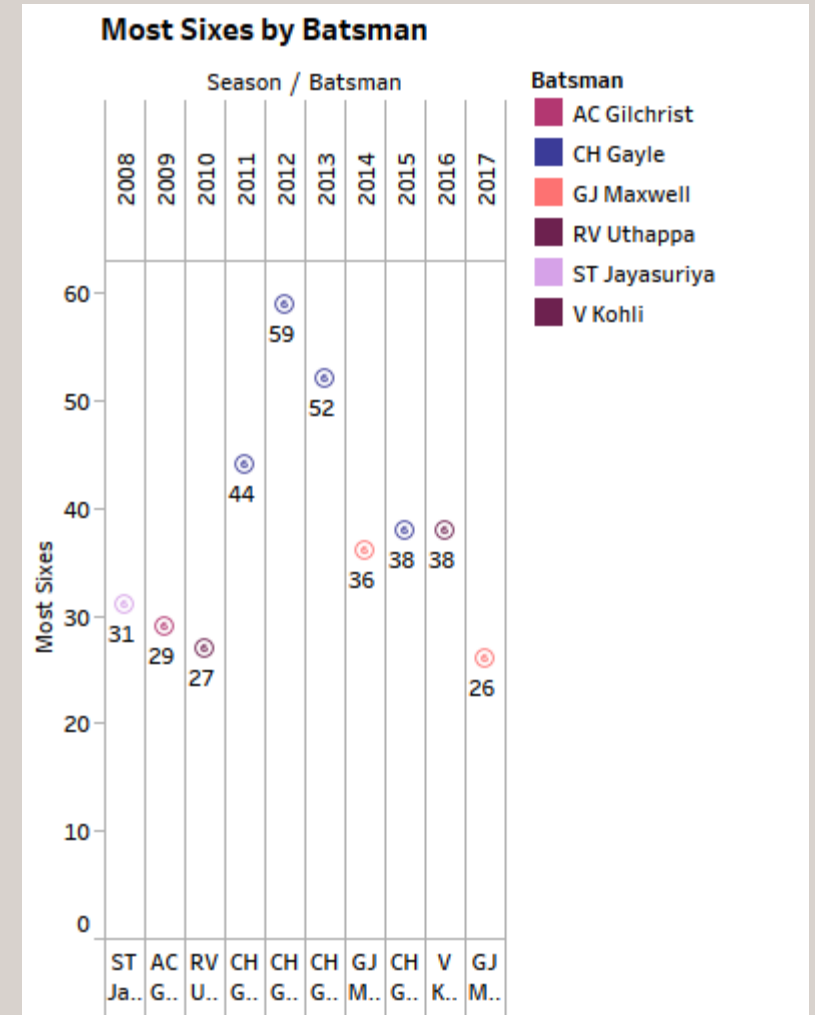


Sum of Most Boundaries for each Batsman broken down by Season. Color shows details about Batsman. The marks are labeled by sum of Most Boundaries. The view is filtered on Season, Batsman and Exclusions (Batsman,Season). The Season filter keeps 10 of 10 members. The Batsman filter keeps 7 of 461 members. The Exclusions (Batsman,Season) filter keeps 1,488 members.

# 03.4 Most Sixes by Batsman

## Insights

- "C H Gayle" is the King of Sixes. For Four seasons he is the table topper for most sixes hit by batsman



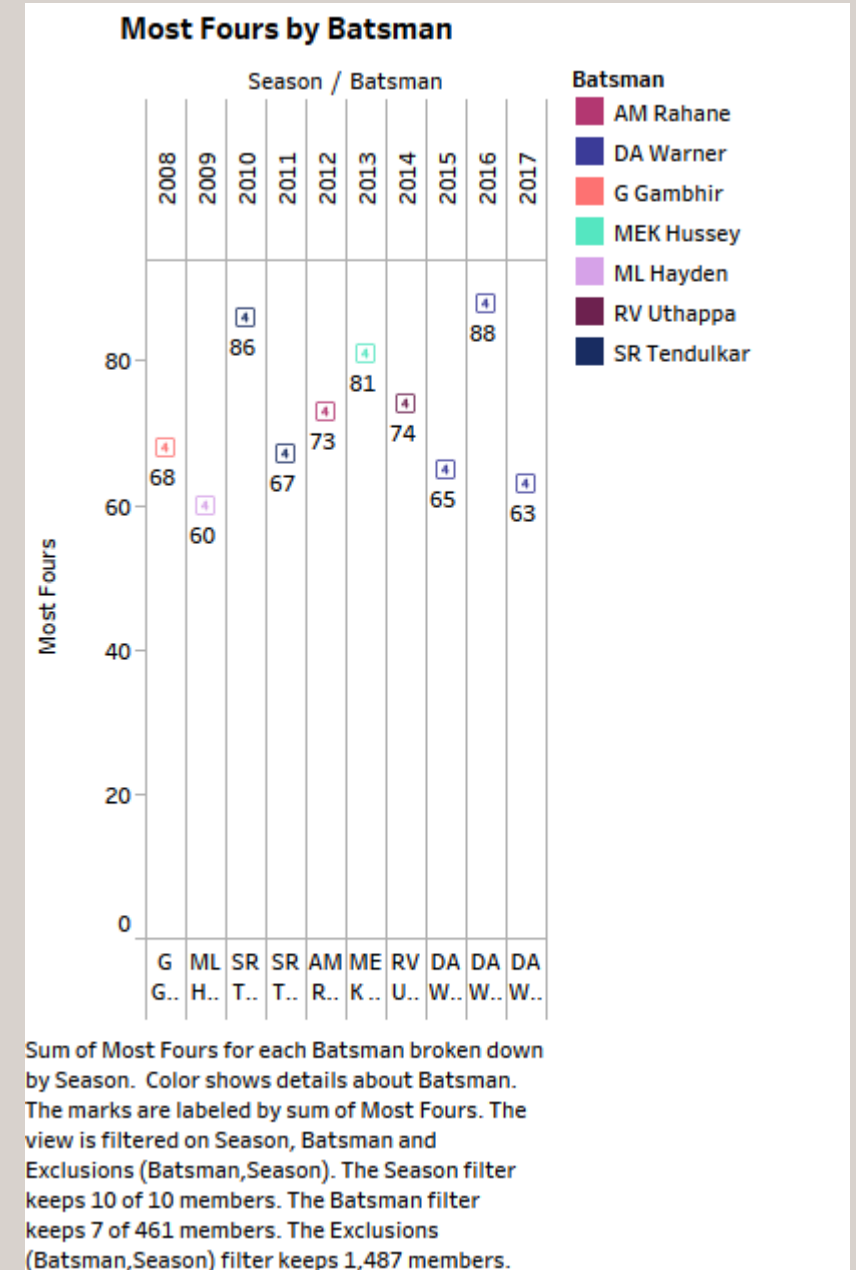
Sum of Most Sixes for each Batsman broken down by Season. Color shows details about Batsman. The marks are labeled by sum of Most Sixes. The view is filtered on Season, Batsman and Exclusions (Batsman,Season). The Season filter keeps 10 of 10 members. The Batsman filter keeps 6 of 461 members. The Exclusions (Batsman,Season) filter keeps 1,497 members.



# 03.5 Most Fours by Batsman

## Insights

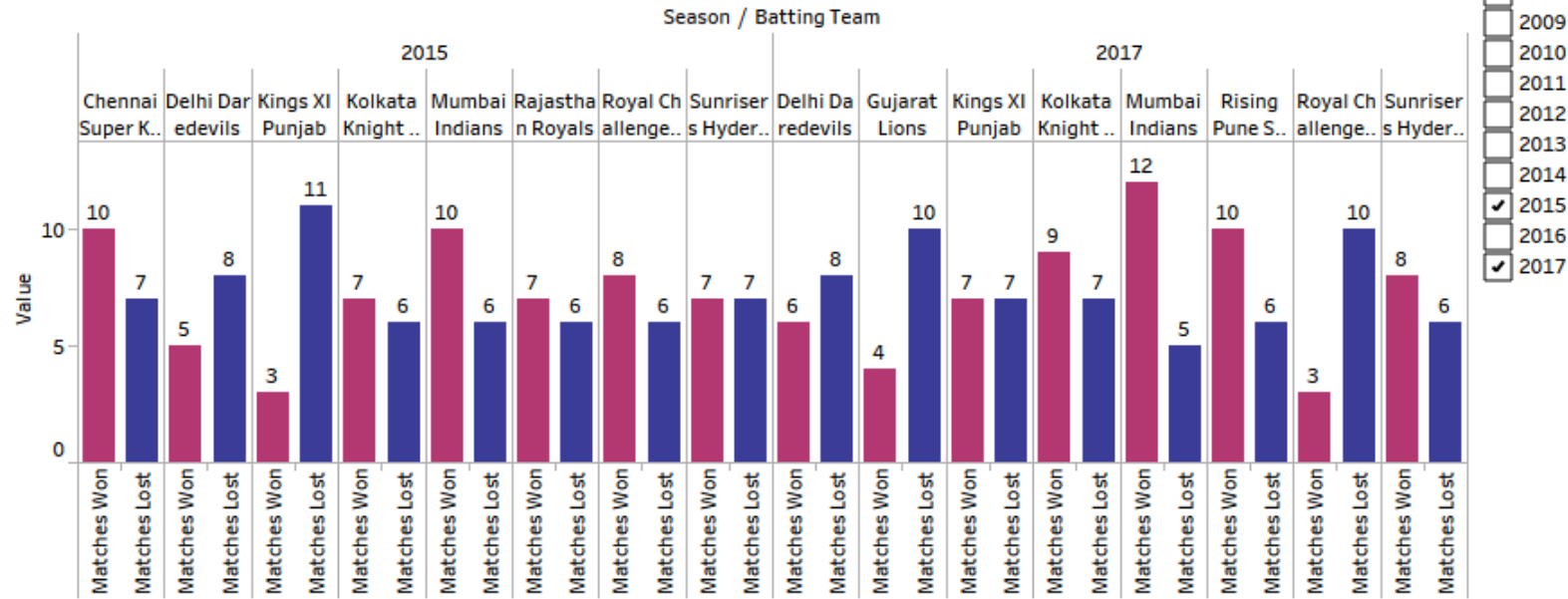
- "D A Warner" and "S R Tendulkar" has hit most fours in multiple seasons.



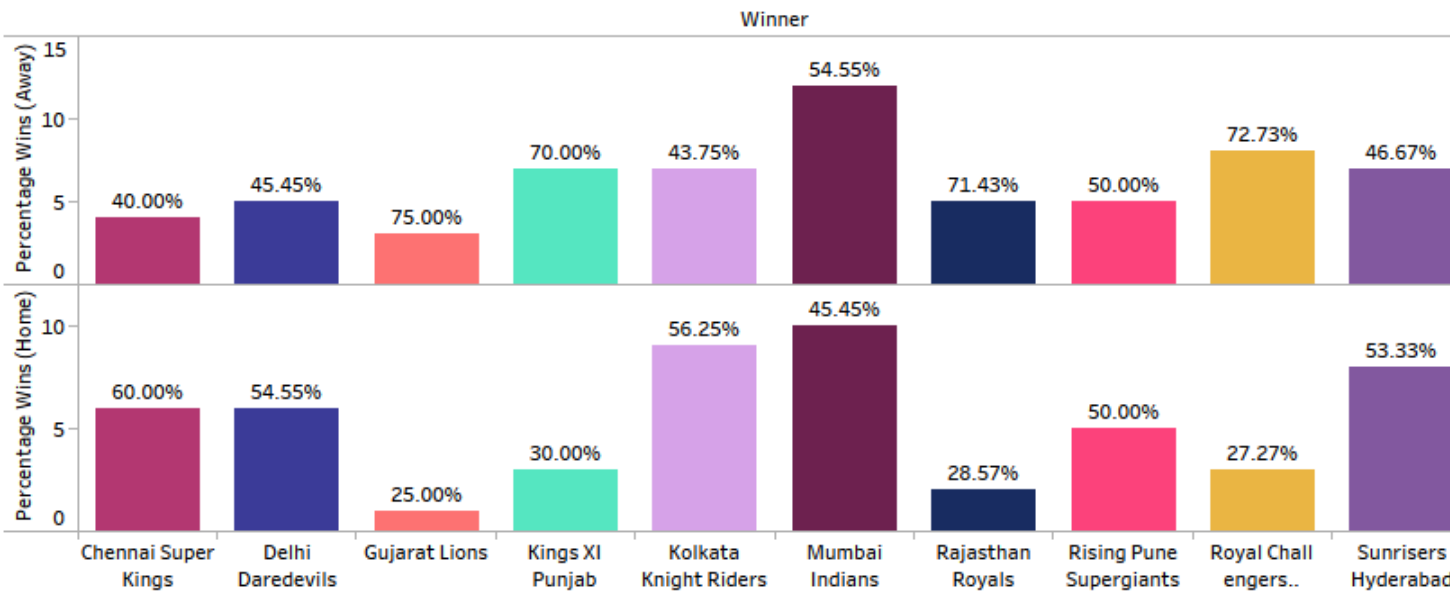
# 04 Team Statistics - Dashboard

# Team Statistics Dashboard

Season-wise team performance (wins vs losses)



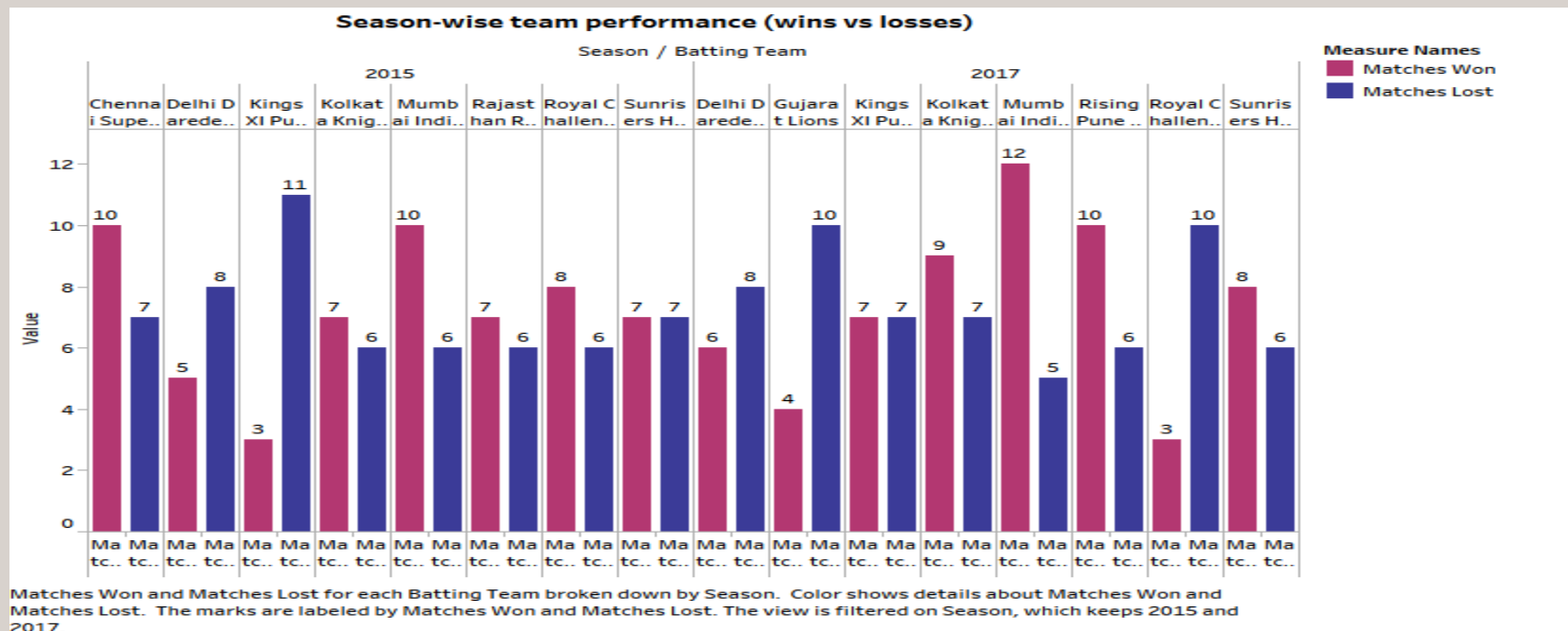
Win %age ( home vs away)



# 04.1 Season-wise team performance

## Insights

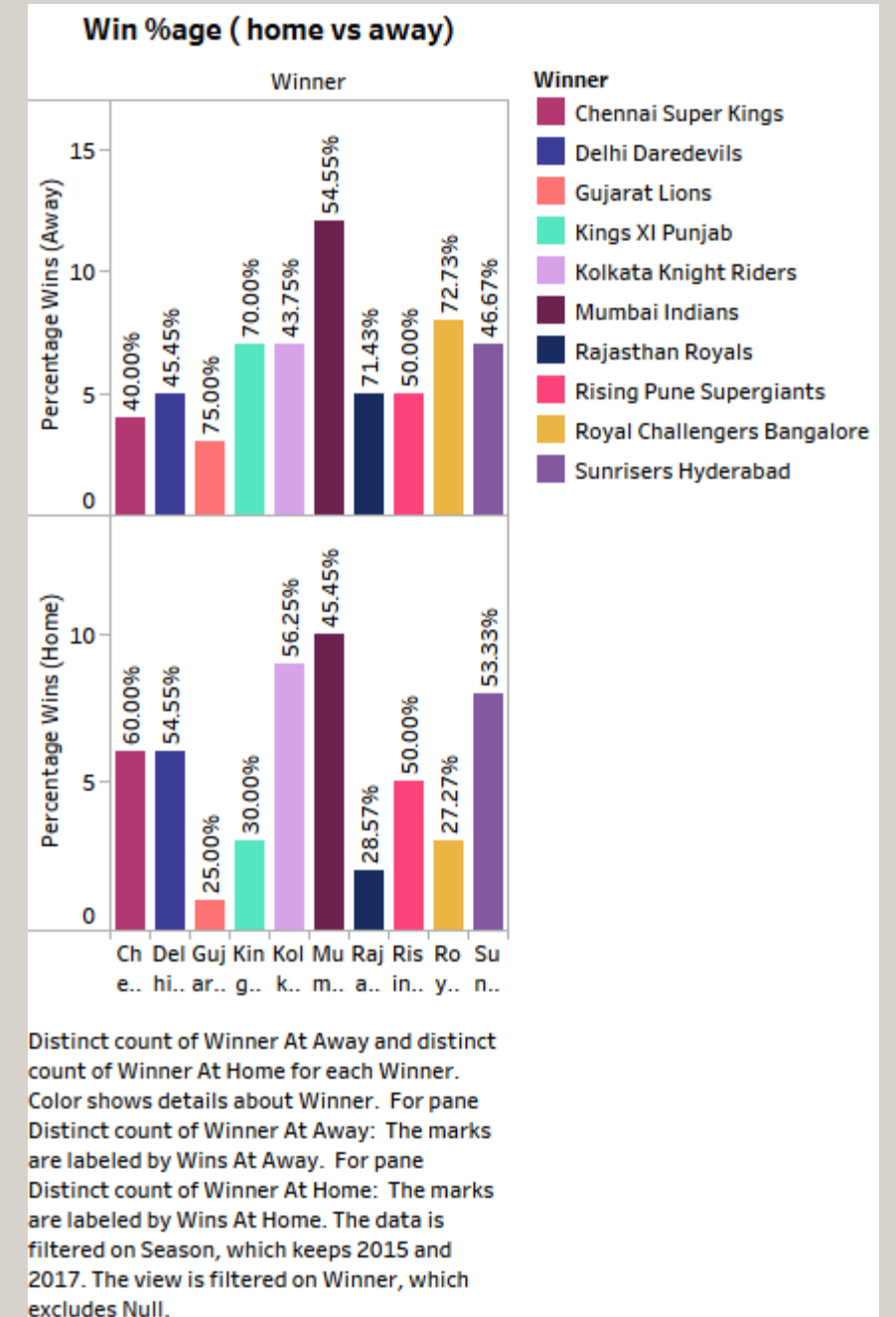
- “Mumbai Indians” and “Chennai Super Kings” has won most number of matches over the seasons.



# 042 Win Percentage (home vs away)

## Insights

- "Kings XI Punjab", "Mumbai Indians" and "Chennai Super Kings" has played and won highest number of games at away
- "Mumbai Indians", "Kolkata Knight Riders" and "Rajasthan Royals" has played and won highest number of games at home



# 05 Summary

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# Summary

## Successful Teams

"Mumbai Indians", "Chennai Super Kings" and "Kolkata Knight Riders" are the most successful teams in the IPL

## IPL Champions

"Mumbai Indians" and "Chennai Super Kings" have won the IPL Championship multiple times.

## Most Matches

"Kolkata", "Delhi", "Mumbai" and "Chennai" has hosted most number of matches

## Run Machines

"C H Gayle" and "D A Warner" are run machines and have consistently scored boundaries in multiple seasons.

## Wicket Takers

"D J Bravo" and "B Kumar" are the most successful bowlers in IPL.