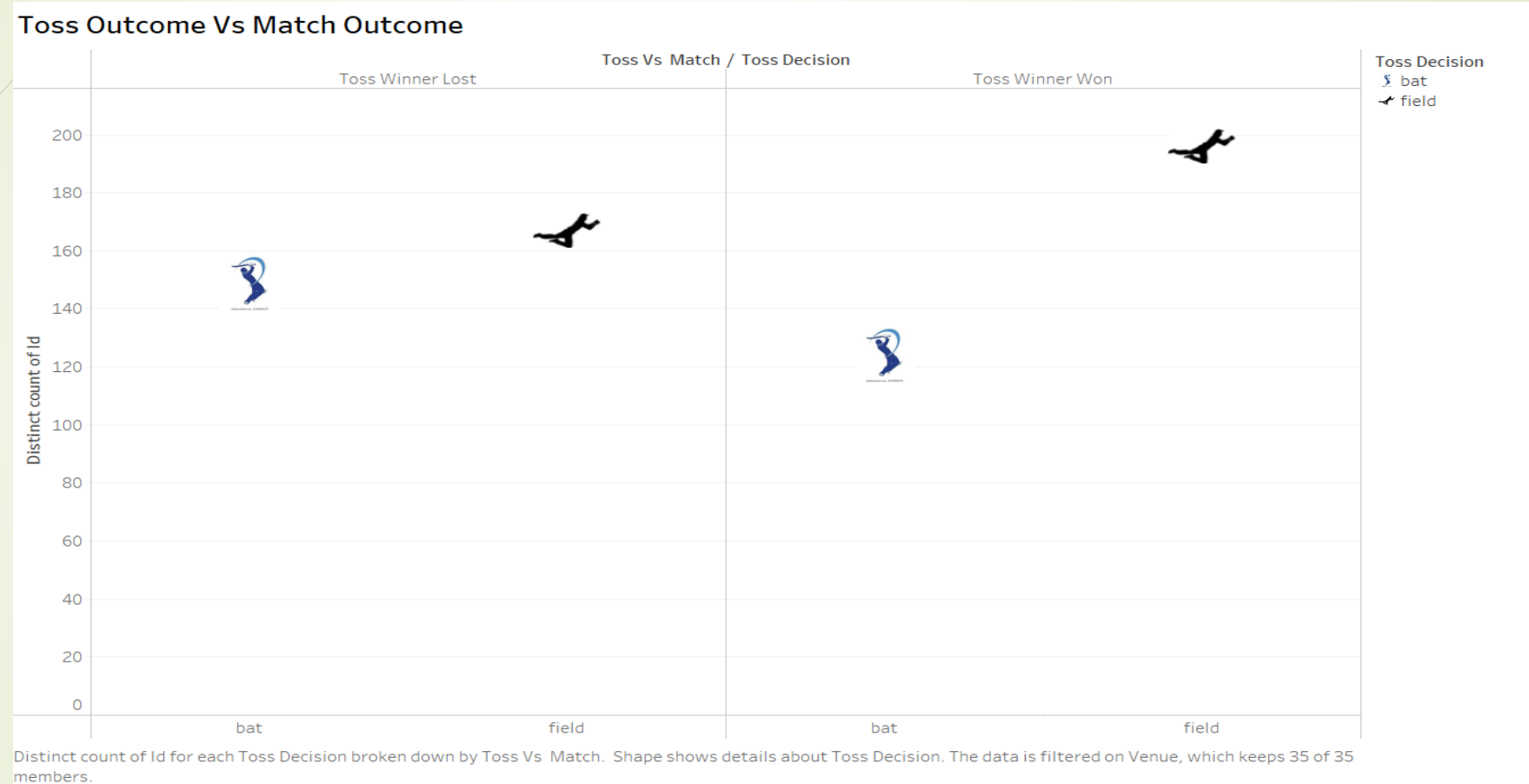# IPL VISUALISATION ASSIGNMENT

# MATCH STATISTICS

## Toss outcome Vs Match outcome



The graph illustrates the choices made by toss winners at M Chinnaswamy Stadium regarding batting or fielding, along with the corresponding outcomes of matches in terms of wins and losses. The toss winners at this venue predominantly opt to field first, as indicated by the color-coded data in the graph.

# Highest totals (across all the seasons)
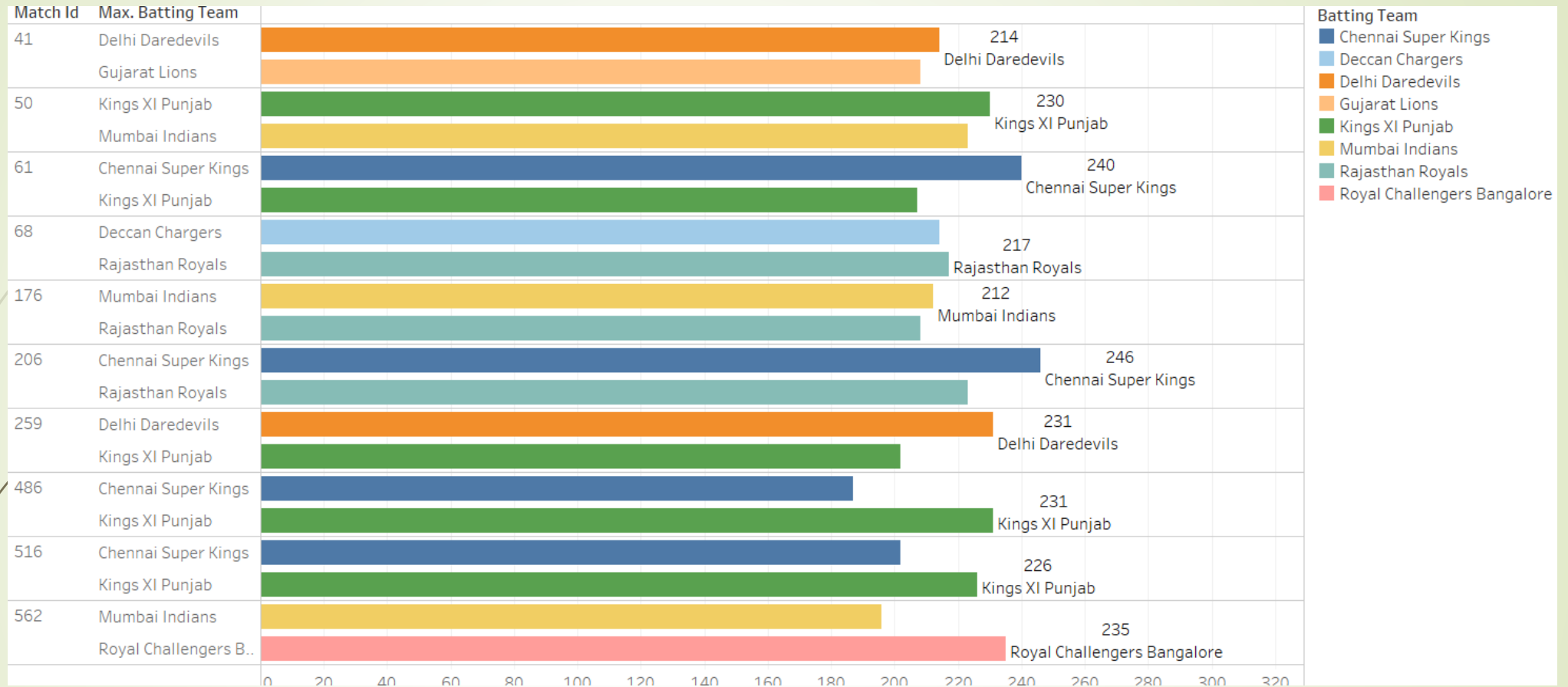


The total runs score in each match is calculated and the highest runs are filtered based on ranges of total. Color indicates the different batting teams. For every season there is a highest total runs and among those season, the season played on 2014 in which Chennai Super Kings have scored the highest total of all the seasons.

# Biggest wins (by runs)
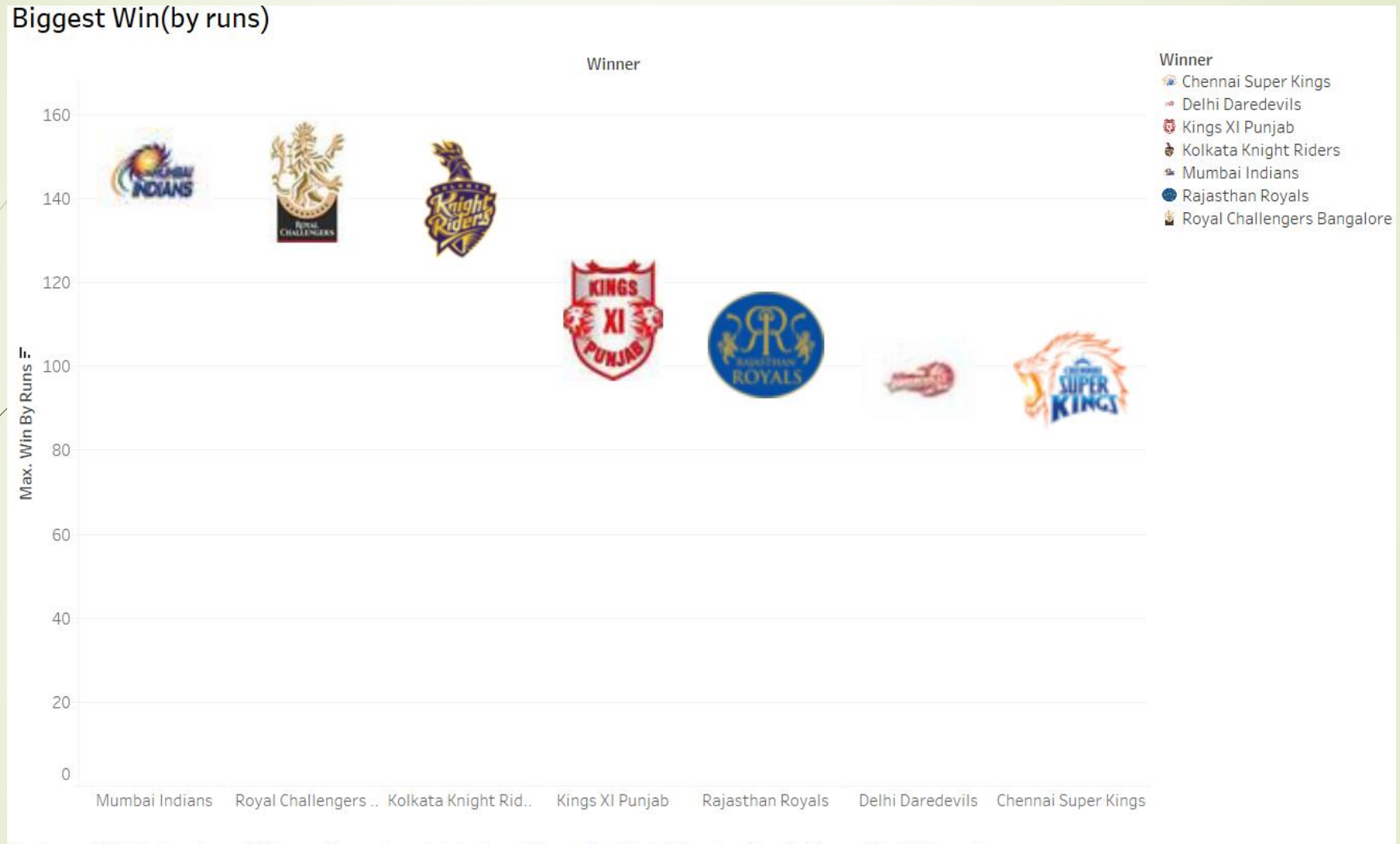


In the above graph, biggest wins by runs indicated by the logo of the each team. In which we could see Mumbai Indians have got the maximum wins by runs.
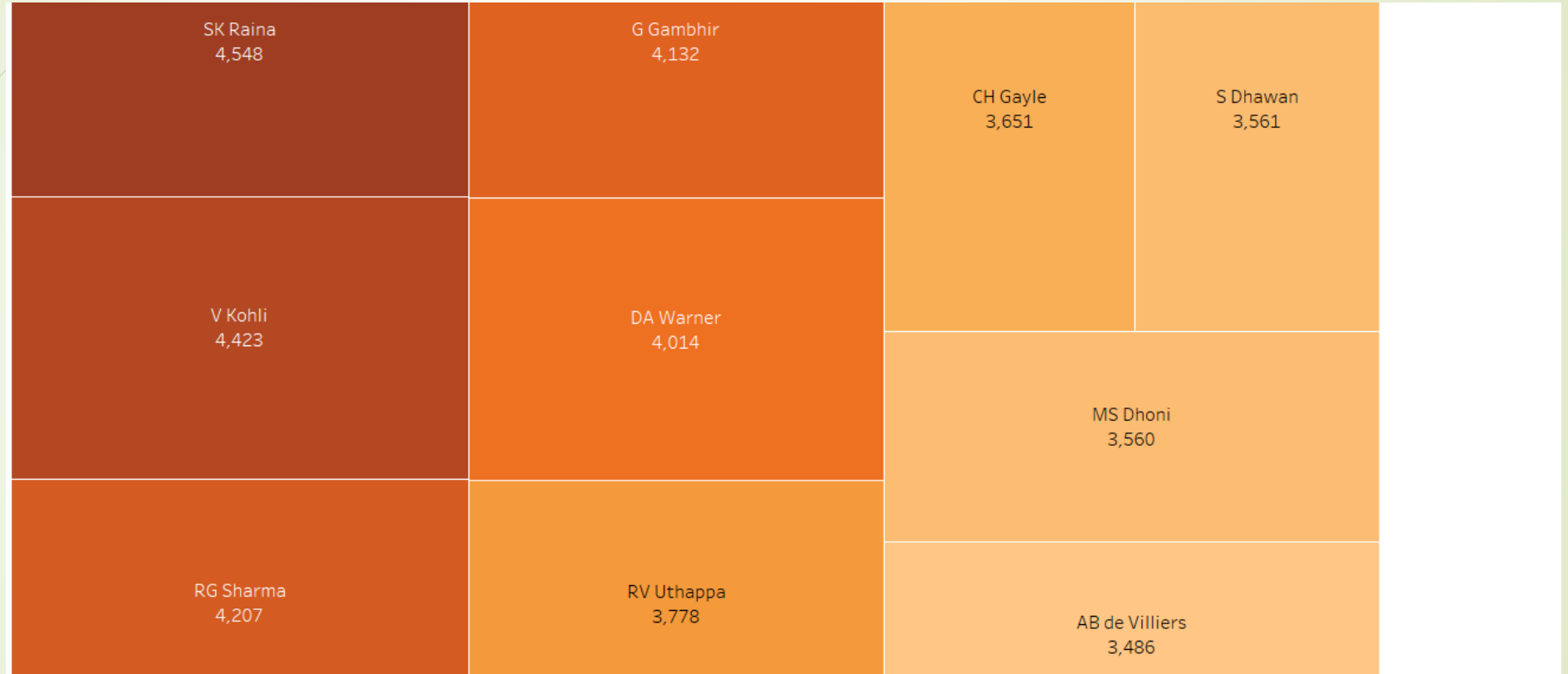
# Biggest Win(by wickets)
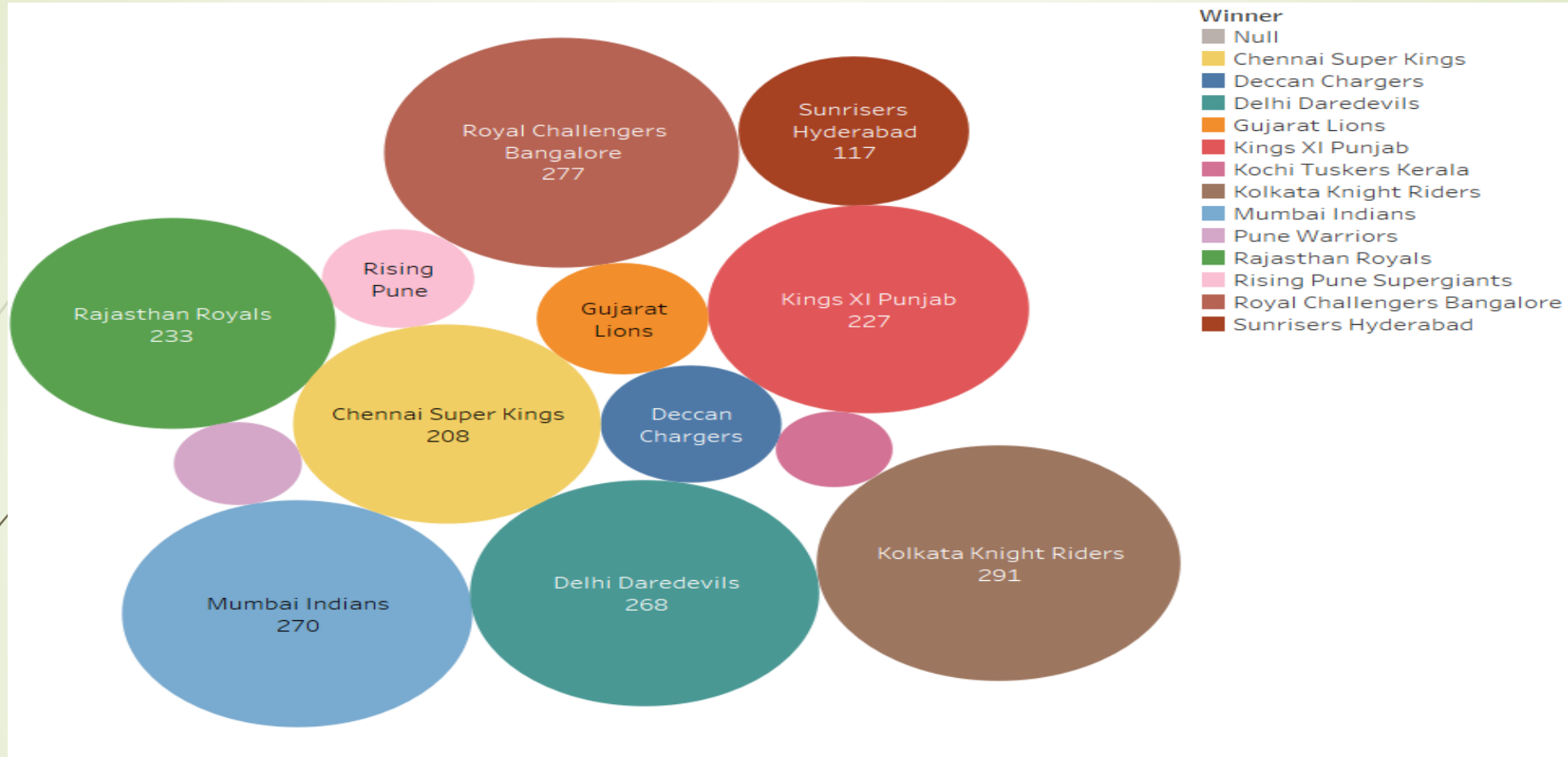


In the above graph, biggest wins by wickets indicated in circle with there indicated colors. In which we could see maximum win by wickets is of Kolkata Knight Riders with 291 wickets.
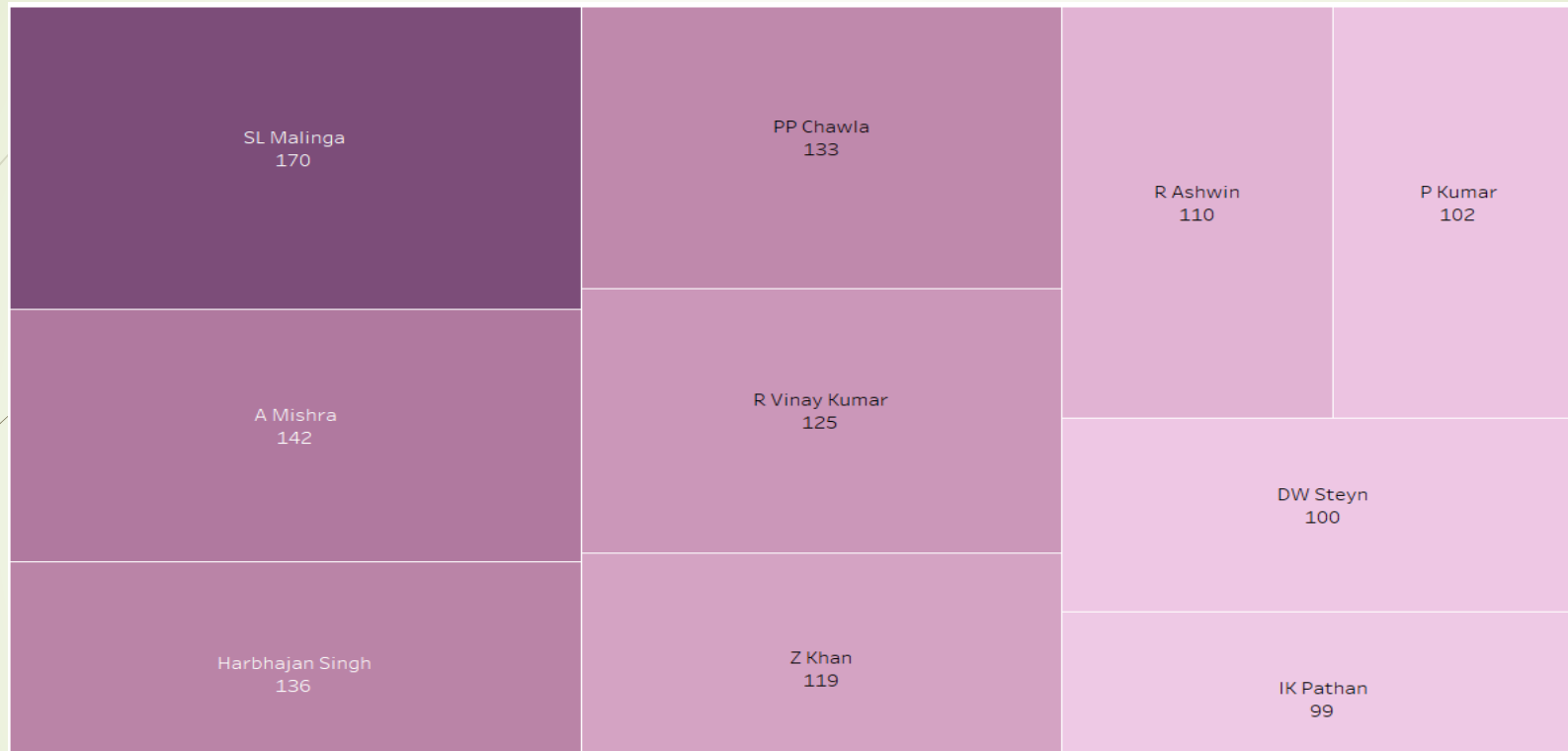
# PLAYER STATISTICS

## Orange Cap Contenders



Color and intensity of the graph indicates the total runs scored by a batsman for a corresponding year. The context is filtered using Year and "top N" orange cap contenders are displayed. Although treemaps is not the best fit for the above visualization, it is visually appealing for purple cap and orange cap contenders

# Purple Cap Contenders



Color and intensity of the graph indicates the total numbers of players dismissed (wickets taken) for a corresponding year. The context is filtered using Year and "top N" purple cap contenders are displayed. Most wickets have been taken by SL Malinga.

# Fours and Sixes
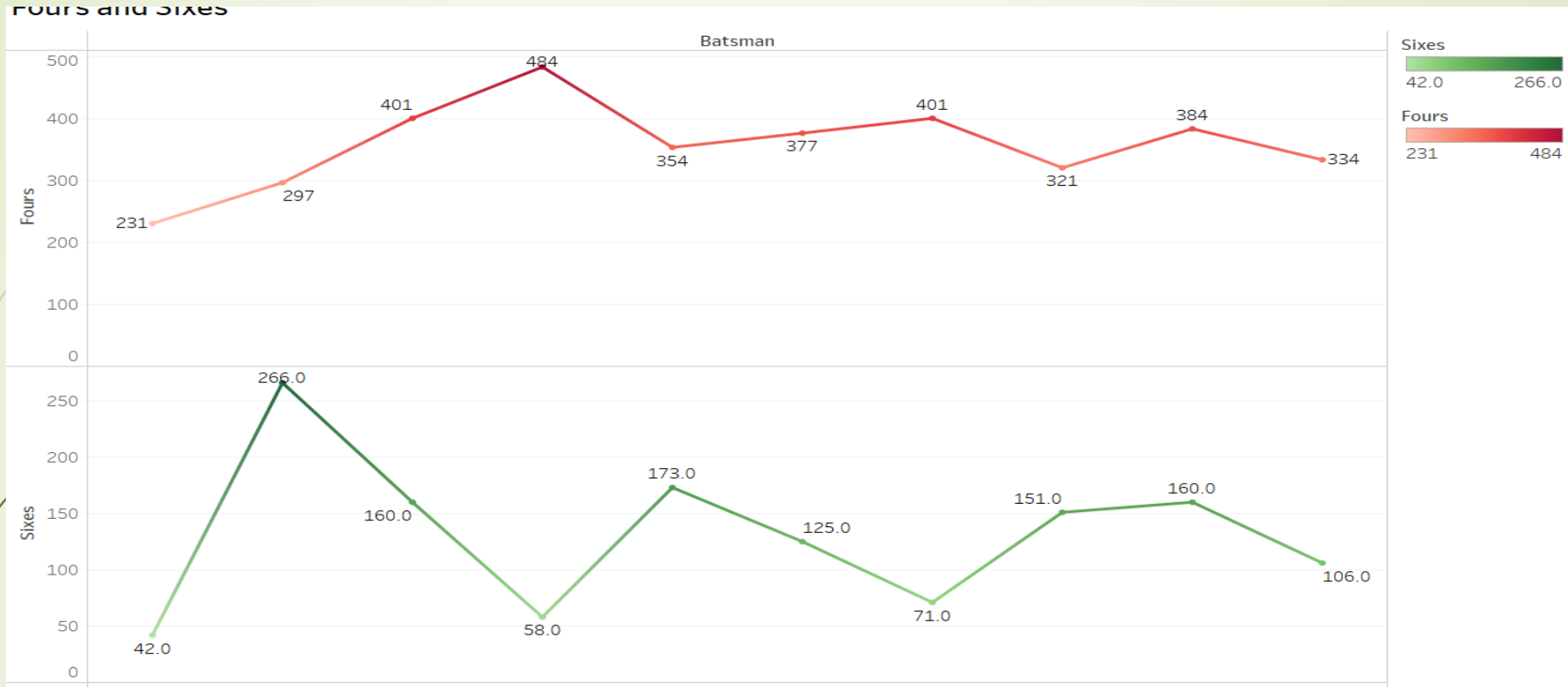


The trends of Fours and Sixes for Batsman. For pane Fours: Color shows Four. The marks are labeled by Fours. For pane Sixes: Color shows Sixes. The marks are labeled by Sixes.The Data is filtered on Season Year and Batting Team. The Season Year filter keeps 10 of 10 members. The Batting Team filter excludes Gujarat Lions, Kochi Tuskers kerala and Rising Pune Supergiants. The view is filtered on Batsman, which keeps 10 to 461 members

# TEAM STATISTICS

Season-Wise team Performance
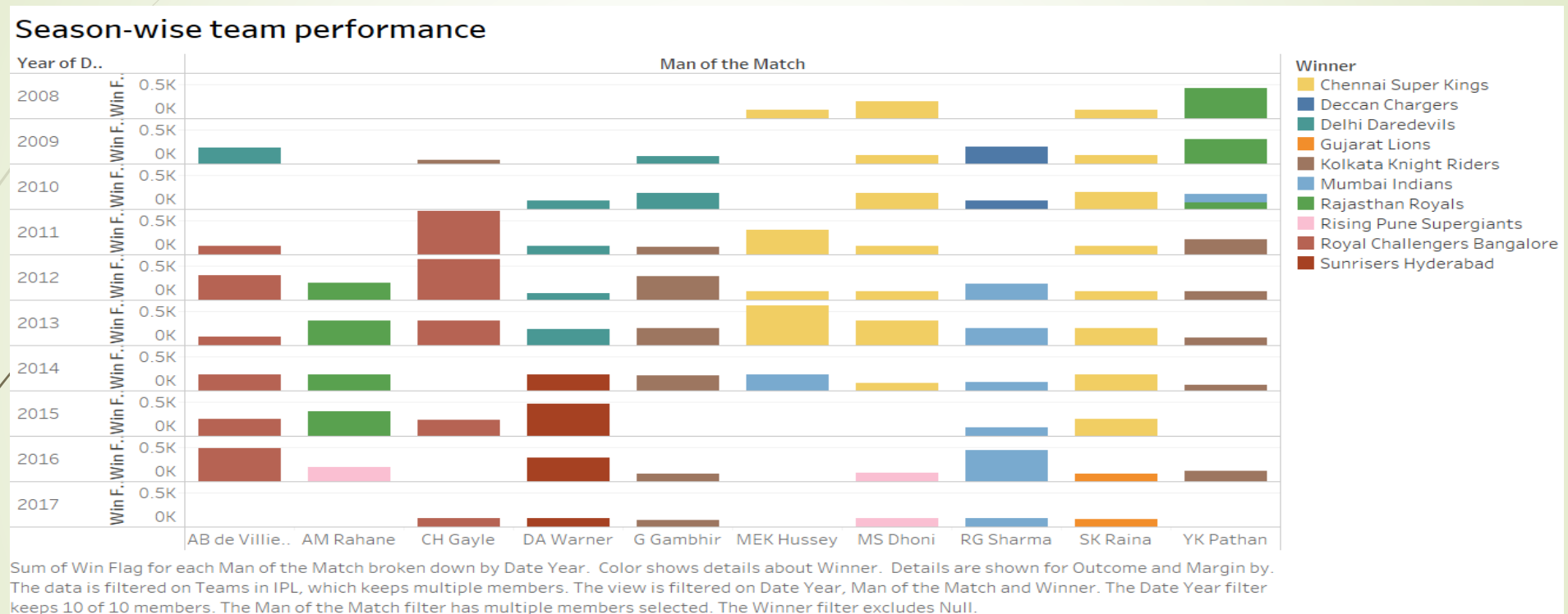


Sum of Win Flag for each Man of the Match broken down by Date Year. Color shows details about Winner. Details are shown for outcome and margin by. The data is filtered on Teams IPL, which keeps multiple members. The view is filtered on Data Year, Man of the Match and winner. The Date Year filter keeps 10 to 10 members. The Man of the Match filter has multiple members selected. The winner filter excludes Null.

# Win %age ( home vs away)

## Win %age ( home vs away)

| Year of D.. | Away | Home Vs Away Home | NA |
|---|---|---|---|
| 2008 | 45.1% | 51.2% | 49.7% |
| 2009 | | | 49.1% |
| 2010 | 43.6% | 54.3% | 49.2% |
| 2011 | 41.4% | 56.1% | 47.0% |
| 2012 | 53.1% | 44.8% | 50.3% |
| 2013 | 28.8% | 69.8% | 49.5% |
| 2014 | 49.5% | 46.7% | 49.4% |
| 2015 | 39.0% | 55.9% | 50.2% |
| 2016 | 53.1% | 43.1% | 48.2% |
| 2017 | 44.8% | 53.7% | 44.7% |

**Win Percent**

28.8%          69.8%
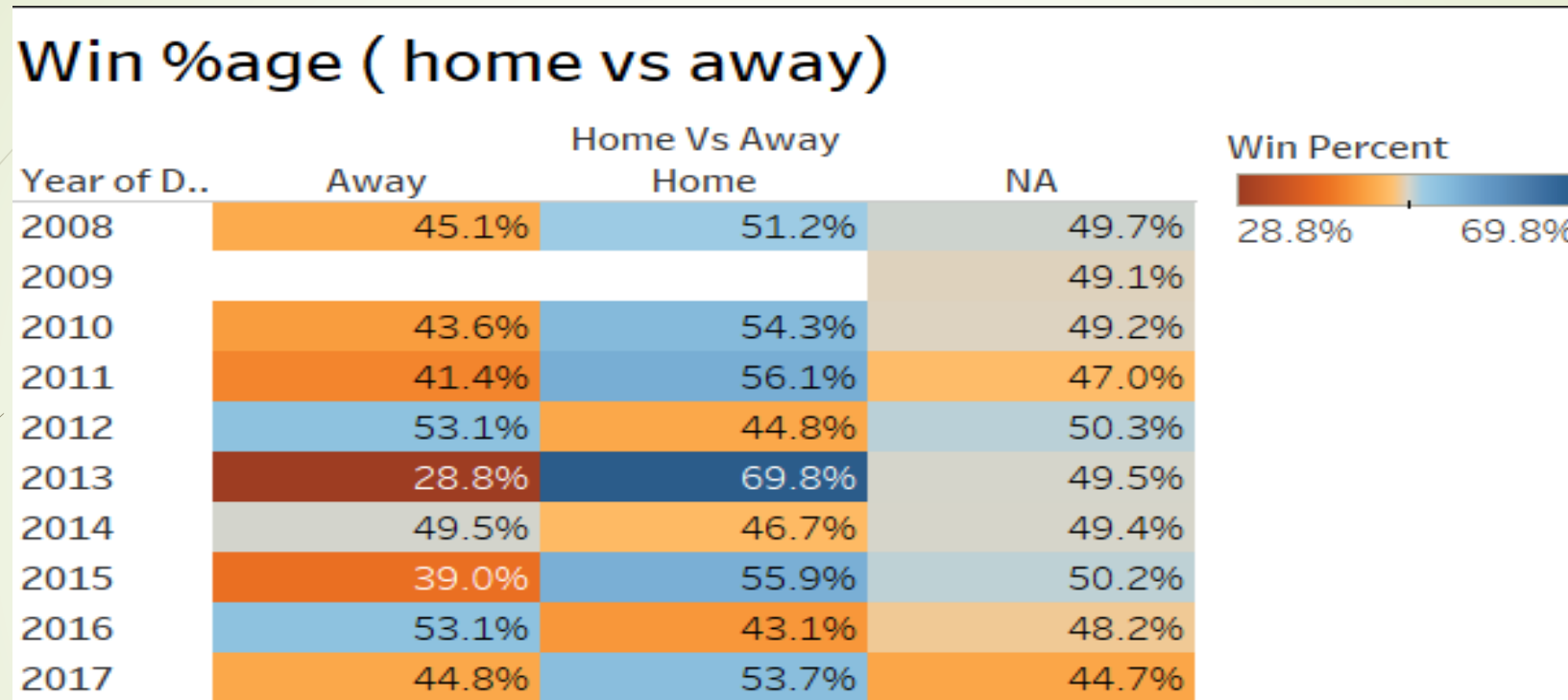
Win Percent broken down by Home Vs Away Vs Date Year. Color shows Win percent. The above graph displays the percentage of matches that CSK has won and lost in Home and Away games. In 2011, CSK won all the games played at Chennai.

# Summary

• The highest number of matches were played in Mumbai, Kolkata, Bangalore, and Delhi.

• Maximum number of matches were played at M Chinnaswamy stadium. Toss winners who chose to field have won the matches the most.

• Maximum number of matches were won at M Chinnaswamy stadium and maximum matches were lost at Rajiv Gandhi International stadium.

• Mumbai Indians and Chennai Super Kings are the most successful teams in the IPL history followed by Kolkata Night Riders.

• CSK is the most successful team in IPL history. Despite a two-year suspension, they are among the top 2 teams who have won the maximum number of matches