

IPL Tableau Visual Assignment

Presented by

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Problem Statement

- The Indian Premier League, or IPL, is a T20 cricket league, which was founded in 2008 and is held every year. It sees participation from both national and international players, and eight teams representing eight Indian cities compete with each other in a double round-robin format in the league stages, which are followed by playoffs. Over the years, IPL has become one of the most-watched and most attended live sporting events all over the world.
- You work as a data analyst at IFP, a nationally recognized news agency, which is based out of New Delhi, and provides news reports and feeds to magazines, newspapers and TV broadcasters all over the country. The Sports Editor of the agency has approached you to build a Tableau dashboard of IPL statistics over the years since its inception in order to create an infographic for a newsletter that their team is working on. For this newsletter, in some cases, they will use the visual representations as you have created in Tableau directly for their infographic, and in a few other cases, they will use important statistics after trying out the different filters and customizations that you have provided for interactivity. Therefore, you are expected to build an interactive dashboard in Tableau for this purpose.

Assignment Goals

1. Match Statistics

Toss outcome vs Match outcome (for each Ground/Venue)

Biggest wins (by runs and by wicket)

Highest totals (across all the seasons)

2. 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)

3. Team Statistics

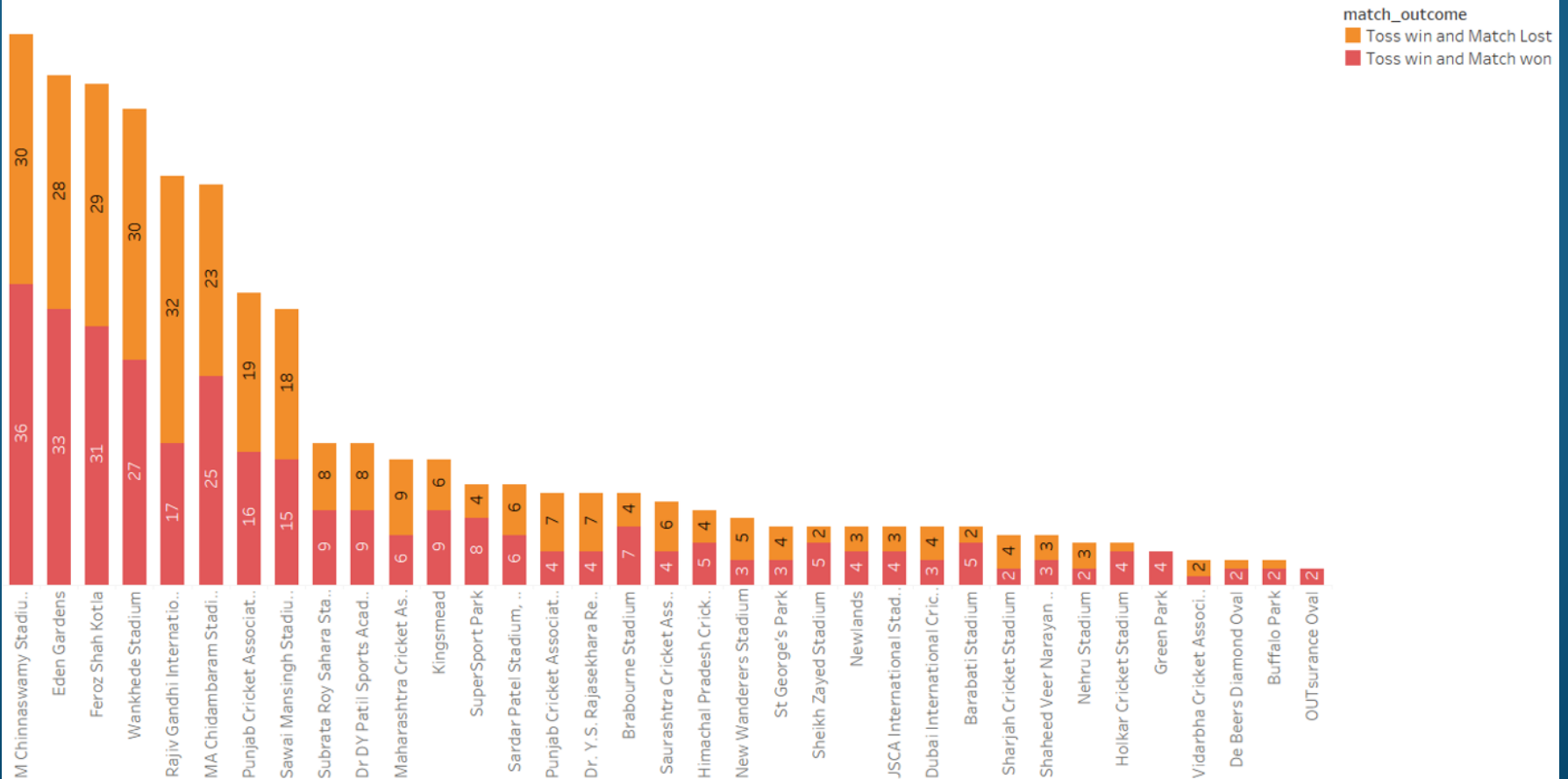
Season-wise team performance (wins vs losses)

Win %age (home vs away)

Toss vs Match outcome

1. From the plot it can be seen that most number of matches in which toss winner is also the match winner has occurred in M Chinnaswamy Stadium.
2. Rajiv Gandhi International Stadium is the stadium where team lost in spite of winning toss.

Toss outcome vs match outcome: by Venue

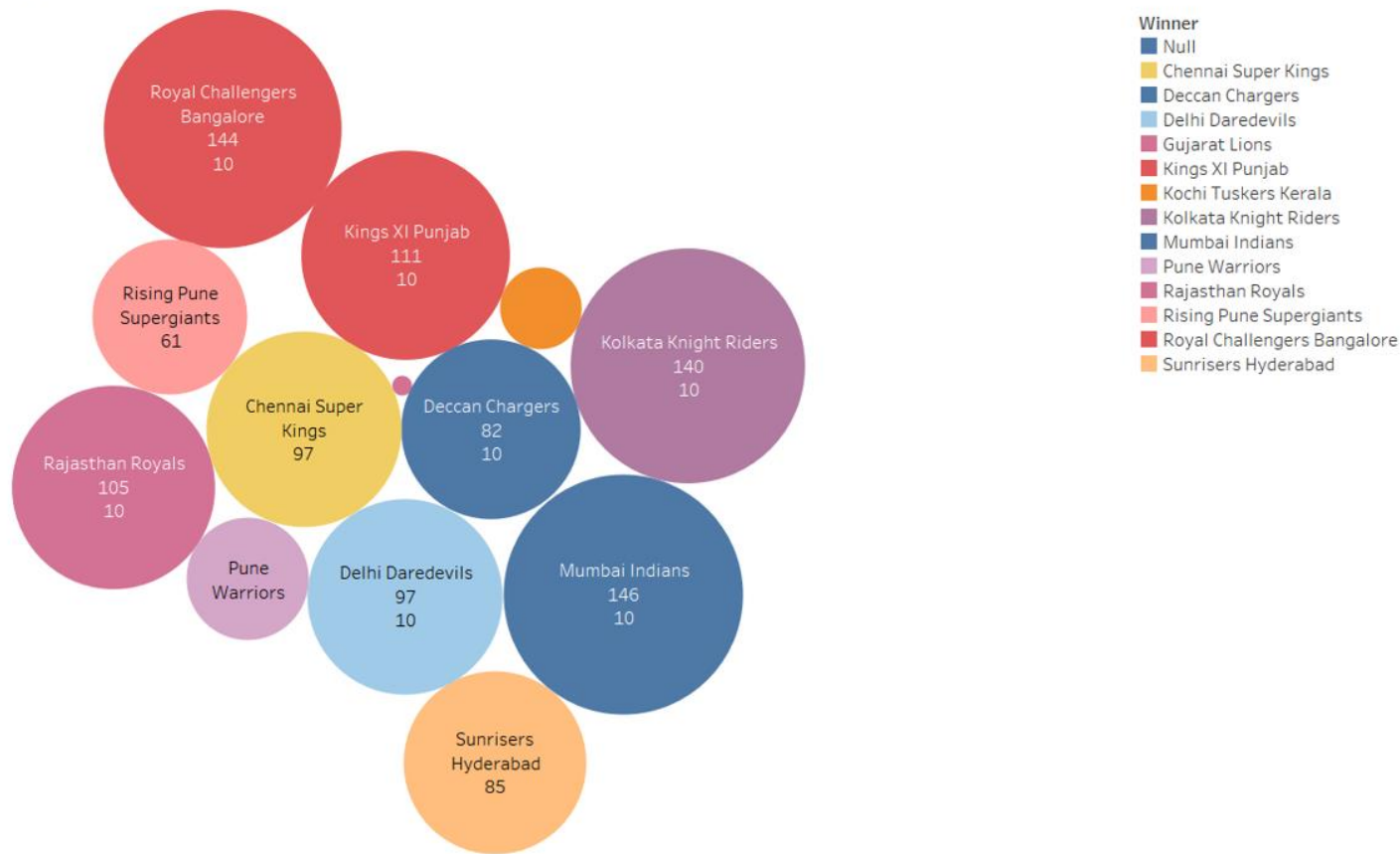


Biggest wins by Runs and wicket.

Points to be concluded from the plot.

1. From the plot it is visible that Mumbai Indians won by 146 runs which is the highest of all seasons.
2. From the plot it is visible that wins by Wickets is reported by 9 teams in all seasons which is by 10 wickets.

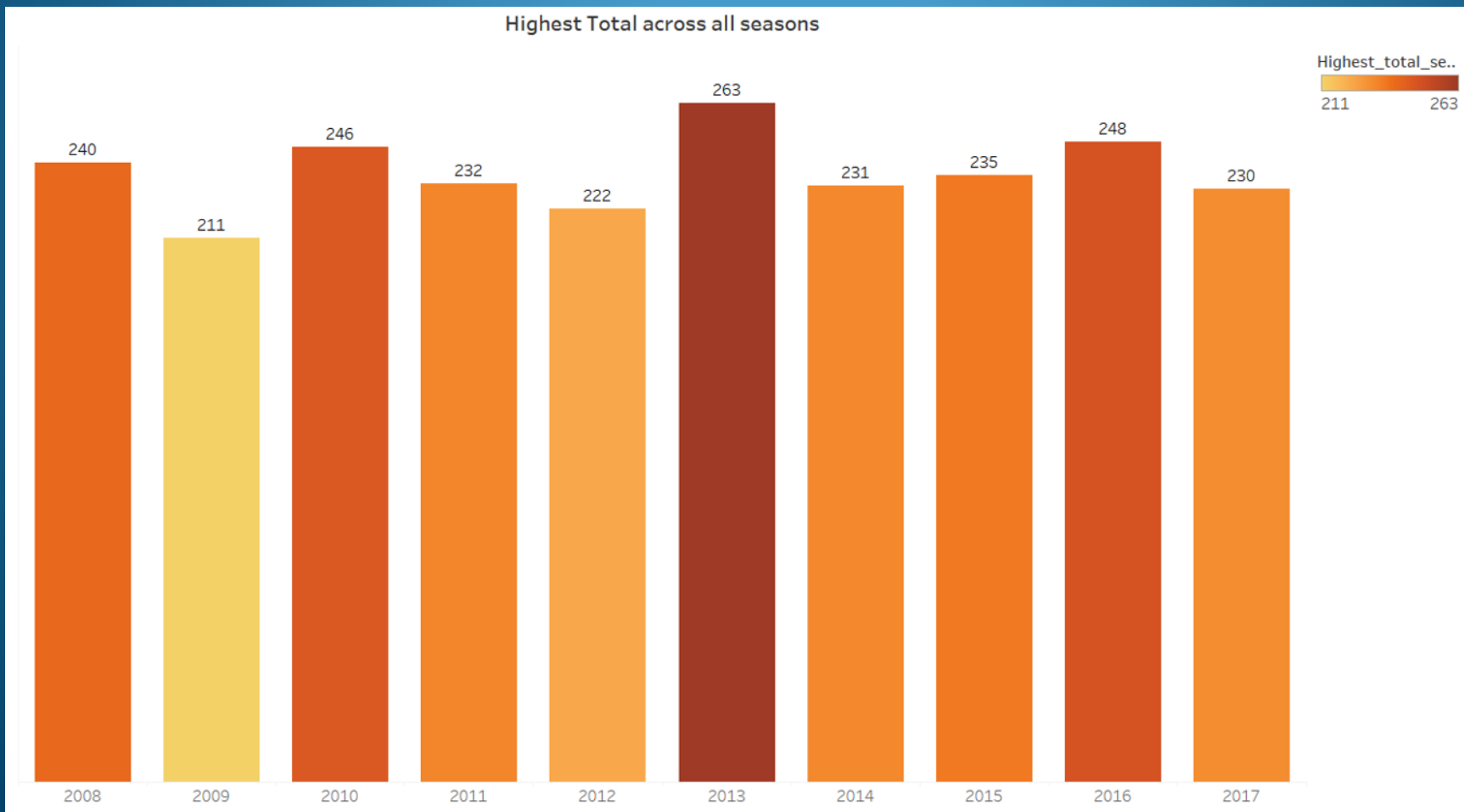
Biggest win by runs and wickets



Highest Totals across all seasons

Points to be concluded from the graph.

1. Highest Total was scored in the season 2013 with a score of 263 across all seasons.
2. The second and third highest being 248 in 2016 and 246 in 2010.

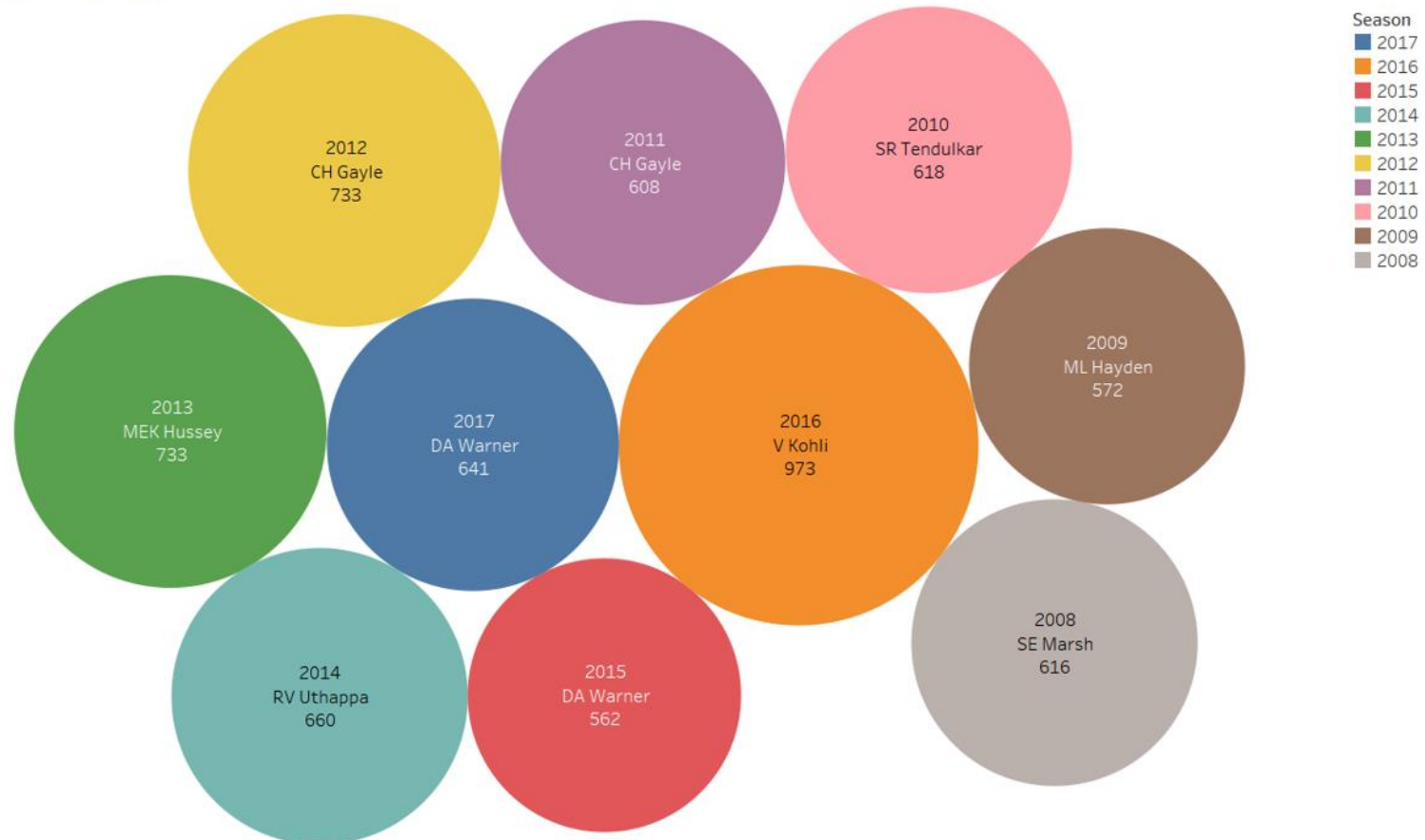


Orange Cap Contenders

Points to be concluded from the graph.

1. Virat Kohli scored the Highest Run in a single season with 973 in 2016.
2. The Plot also shows the orange cap holders for each season since 2008-2017.
3. Season wise stats can be seen inside Tableau workbook.

Orange Cap Contenders

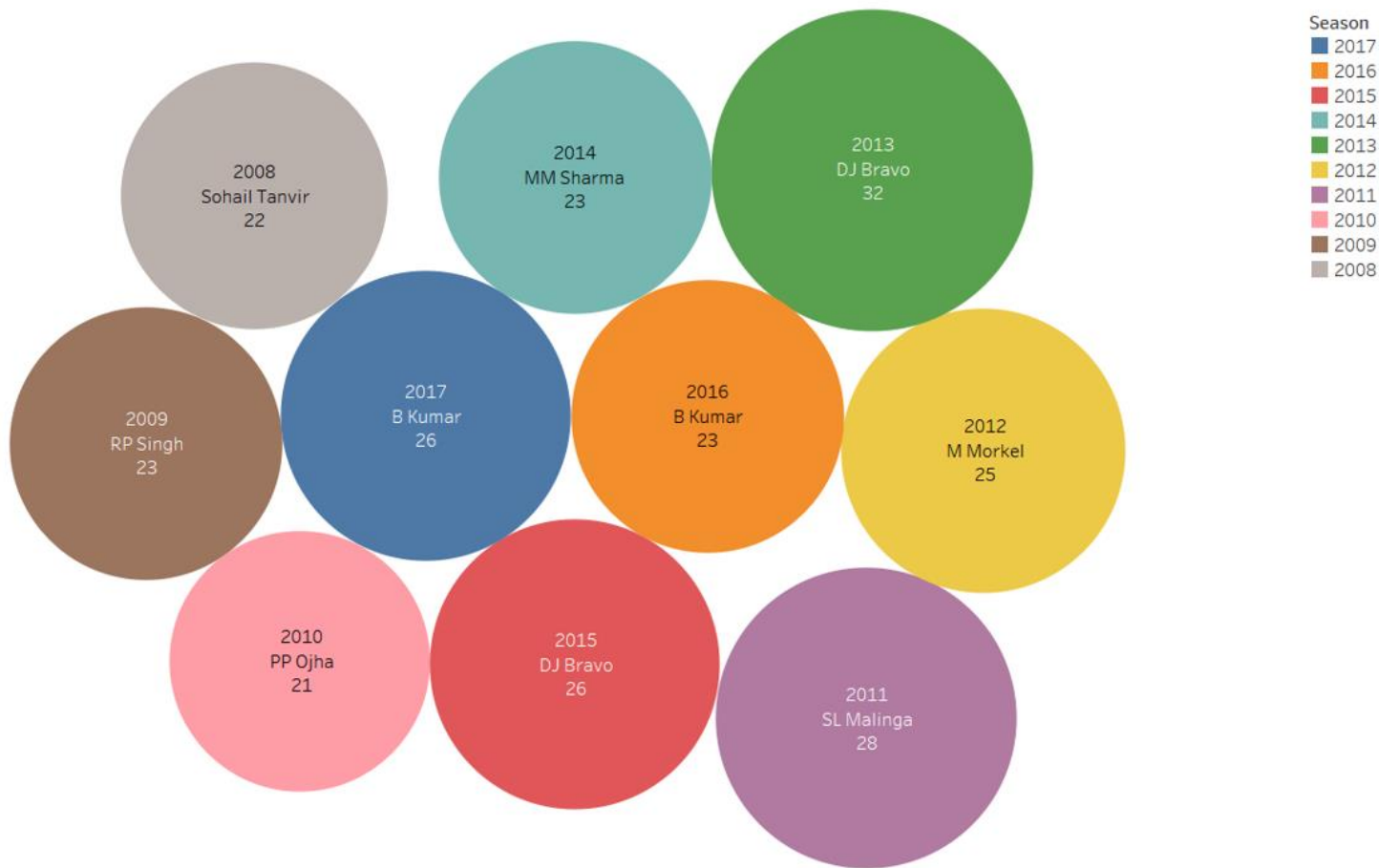


Purple Cap Contenders

Points to be concluded from the graph.

1. DJ Bravo took the most on wickets in a single season with 32 in 2013.
2. The Plot also shows the purple cap holders for each season since 2008-2017.
3. Season wise stats can be seen inside Tableau workbook.

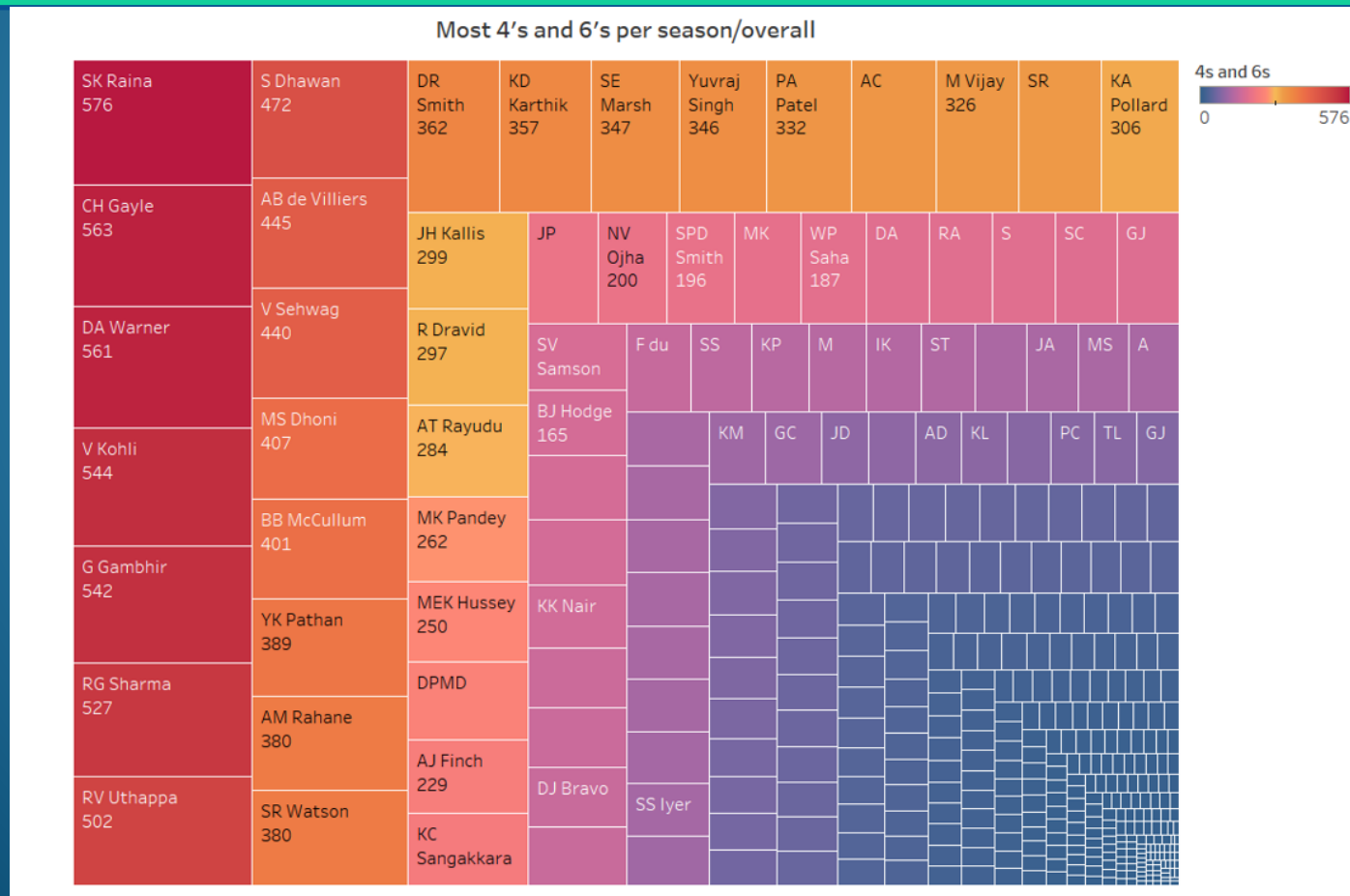
Purple Cap Contenders



Batsmen with most no of 4s and 6s

Points to be concluded from the graph.

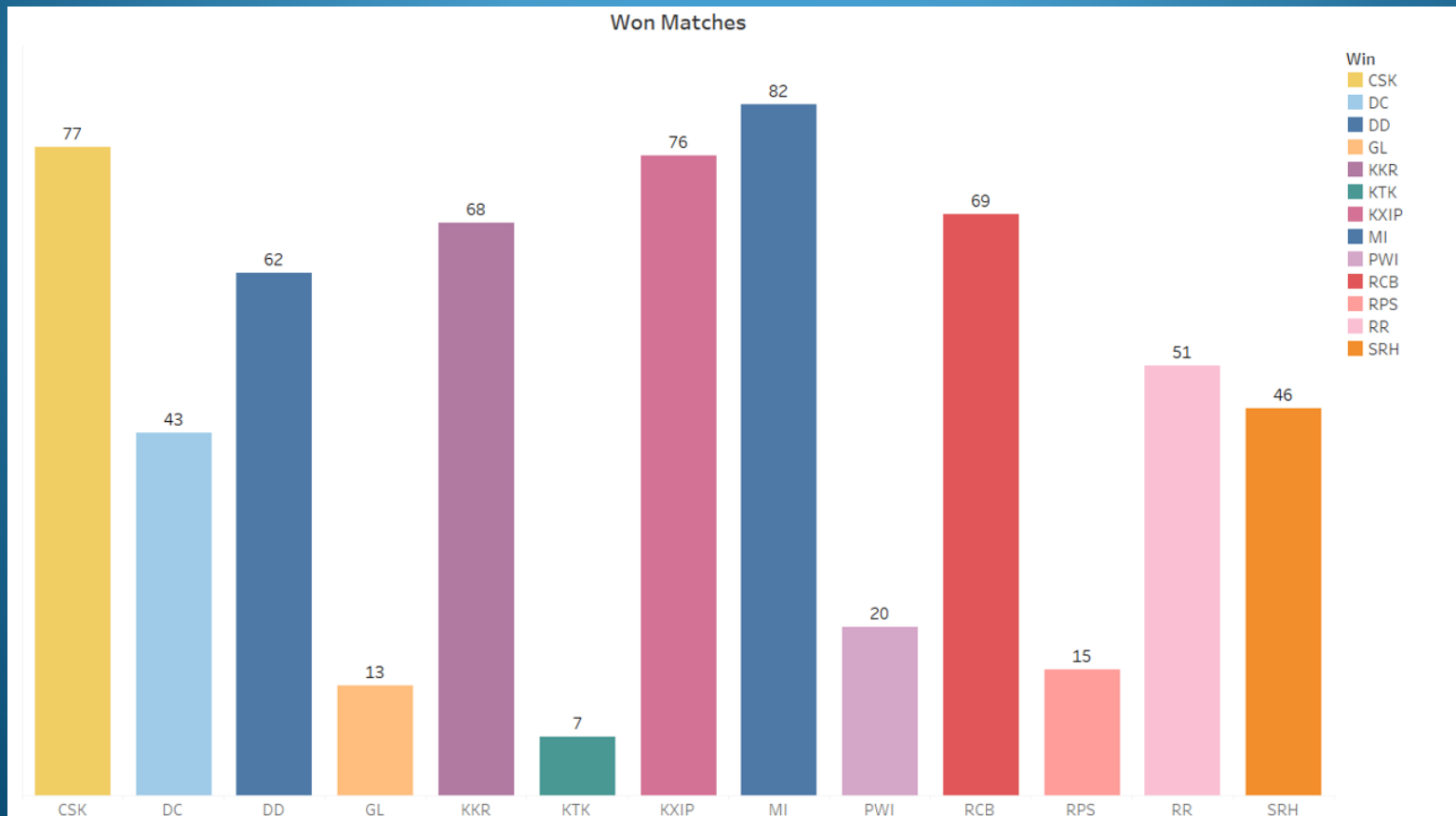
1. Suresh Raina is leading with most number of 4s and 6s combined with a total of 576.
2. Gautam Gambhir hits the maximum 4 's and Chris Gayle hits the maximum 6 's over all the seasons together.
- 3.The graph also shows the leading batsmen who have scored most number of 4s and 6s in overall season.



Teams Won matches across all seasons

Points to be noted.

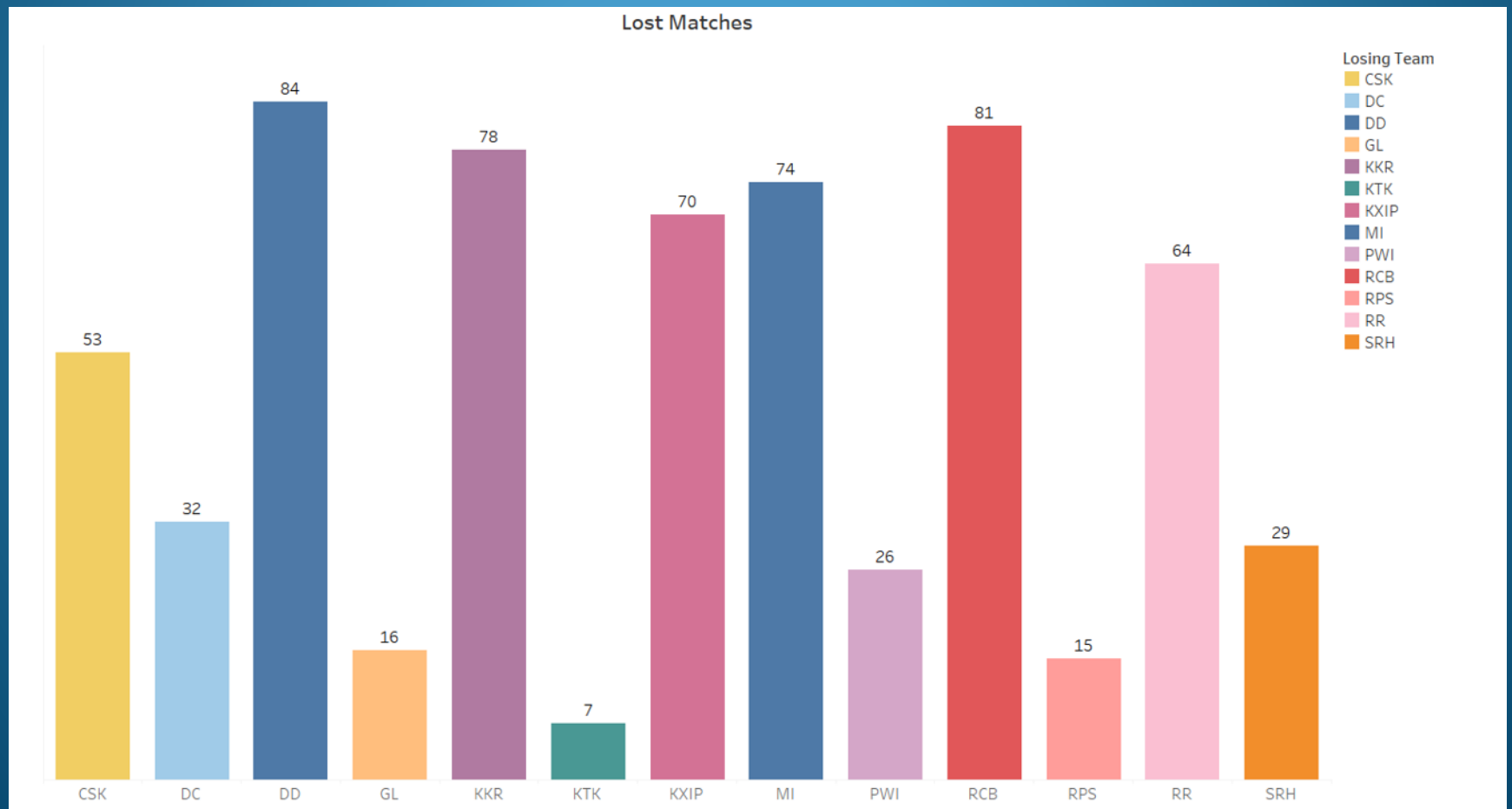
1. Statistics shows Mumbai Indians has won most number of matches in overall IPL season from 2008 to 2017.
2. Season wise Stats can be seen inside Tableau workbook.



Teams Lost matches across all seasons

Points to be noted.

1. Statistics wise Delhi Dare Devils has lost most number of matches in overall IPL season from 2008 to 2017.
2. Season wise Stats can be season inside Tableau workbook.



Season-wise performance (win vs losses)

Points to be concluded from the graph.

The Bar graph besides shows the details of all seasons which gives brief of idea no matches played by a team and out of that how much matches won and lost with player of the match for every match .

The win flag calculates the toss winner is a winner as 1 and Toss winner not a winner with -1.

Green color indicates team won and red color indicates team lost.

Season-wise Team Performance (Wins vs Losses)



Win Percentage Home vs Away


Points to be concluded from the graph.

The Above graph gives the clear idea of comparison between Win %age of Home vs Away matches.

- The best record at Home is Win percentage of 71.47% in the year 2013.

- The best record at Away Win percentage of 49.45% in the year 2012.

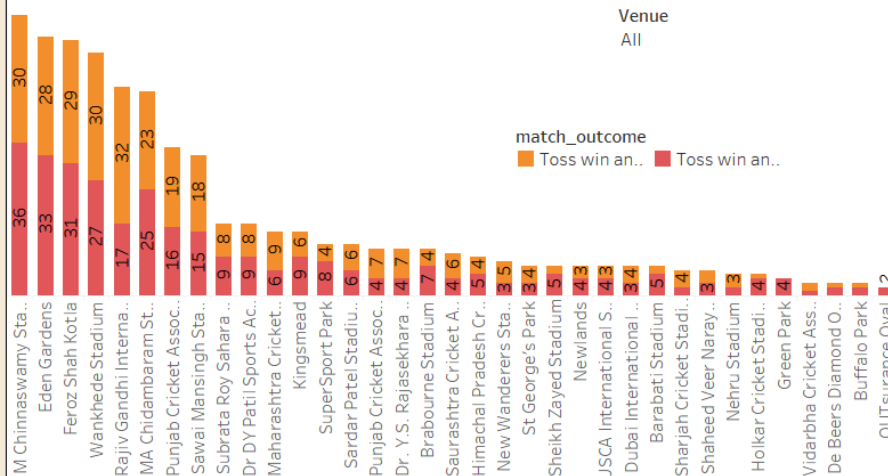
Win percentage Home vs Away

| Year of Date | Away | Home | Win% |
|--------------|-------|-------|--|
| 2008 | 35.16 | 43.84 |  30.25 71.47 |
| 2010 | 45.57 | 56.19 | |
| 2011 | 42.59 | 57.28 | |
| 2012 | 49.45 | 41.35 | |
| 2013 | 30.25 | 71.47 | |
| 2014 | 31.97 | 39.46 | |
| 2015 | 43.81 | 59.55 | |
| 2016 | 33.62 | 31.29 | |
| 2017 | 46.26 | 55.34 | |

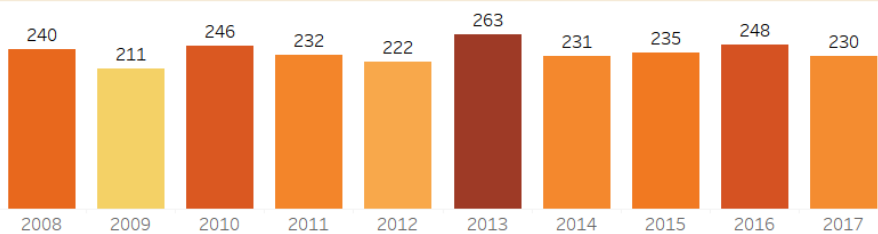
Overall Match Statistics

Match Statistics

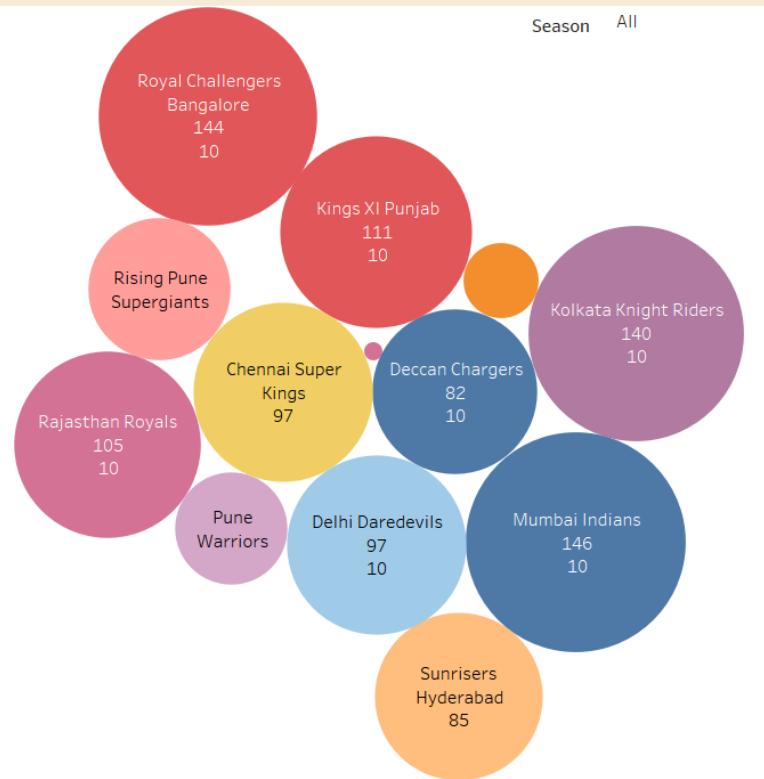
Toss outcome vs match outcome: by Venue



Highest Total across all seasons



Biggest win by runs and wickets

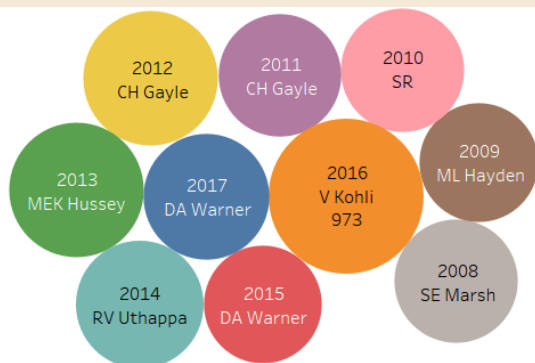


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Orange Cap Contenders

Season All

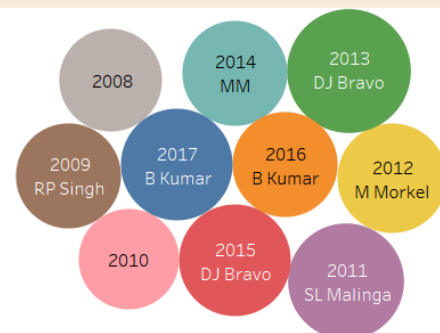
All



Season All

Season

All



Season All

Season

All

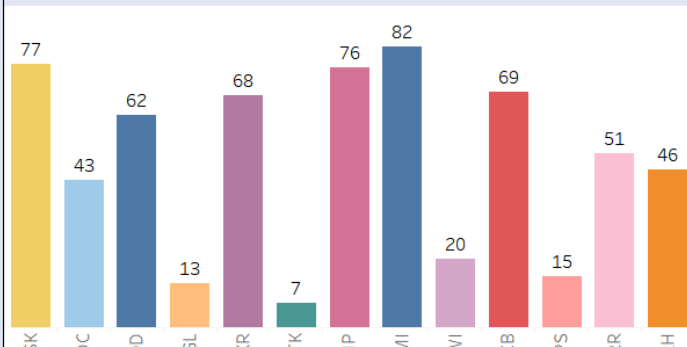
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Overall Team Statistics

Team Statistics

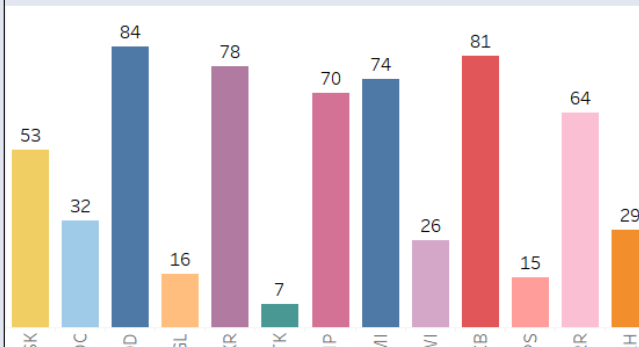
Won Matches

Season All



Lost Matches

Season All

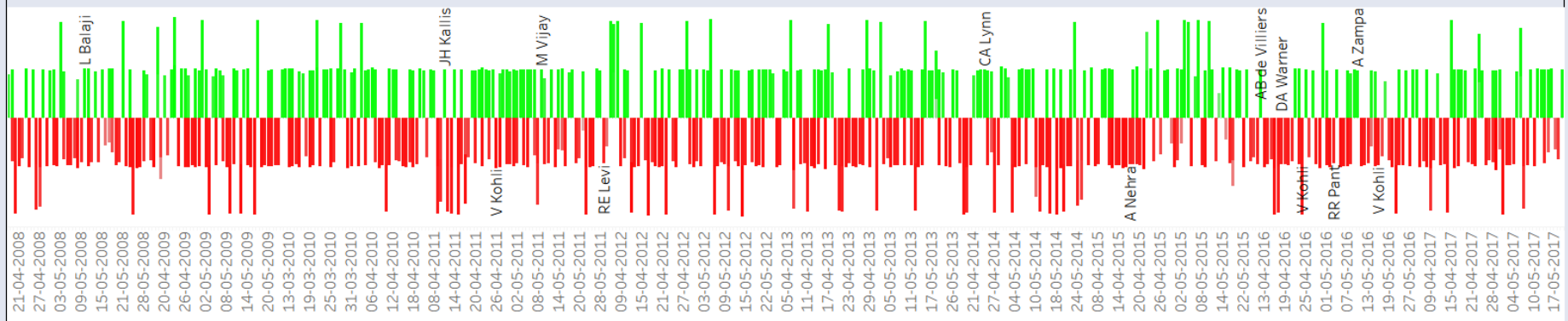


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Season-wise Team Performance (Wins vs Losses)

Year of .. All





Thank YOU