IPL DATA ANALYSIS ON TABLEAU

BY
MONISH PATIL

ABOUT INDIAN PREMIER LEAGUE:

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.

PROBLEM STATEMENT

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)

IPL DATASET CLEANING:

1.) I have grouped all 3 different Pune teams into a single group and named it as Pune Warriors.

Pune Warriors -> Rising Pune Supergiants -> Rising Pune Supergiant

2.) I have also taken Tie as NULL value.

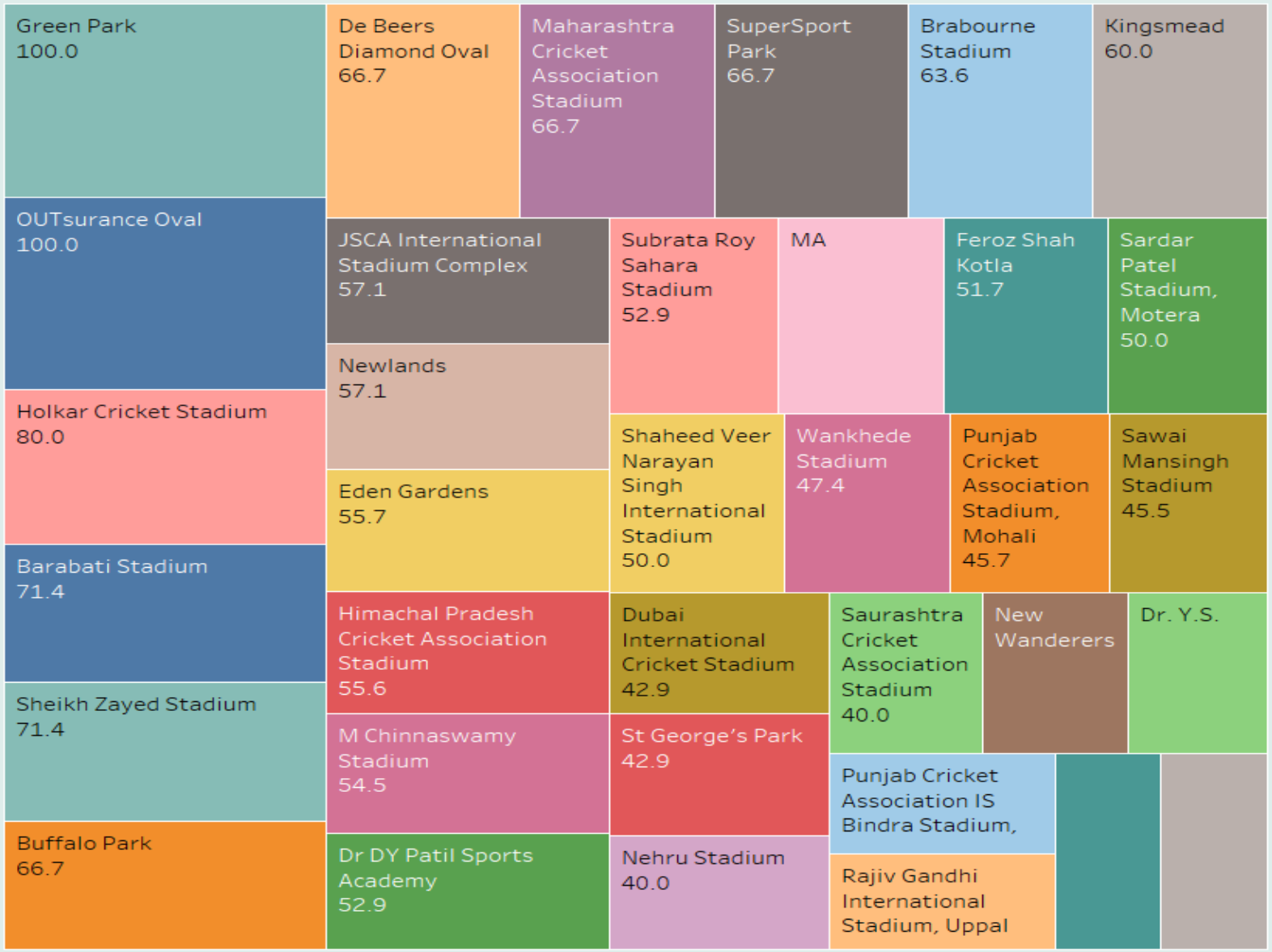
3.) I have renamed all Team Names with the below aliases :

- Mumbai Indians -> MI
- Sunrisers Hyderabad -> SRH
- Gujarat Lions -> GL
- Royal Challengers Bangalore -> RCB
- Kolkata Knight Riders -> KKR
- Delhi Daredevils -> DD
- Kings XI Punjab -> KXIP
- Chennai Super Kings -> CSK
- Rajasthan Royals -> RR
- Kochi Tuskers Kerala -> KTK
- Pune Warriors -> PW

IPL Data Analysis using Tableau

Q.) How important is winning the Toss at a particular Venue or Ground?

Green Park and OUTsurance Oval are two of the grounds where it can be seen that winning the toss is very important as the percentage chances of winning the toss and winning the match is 100%.

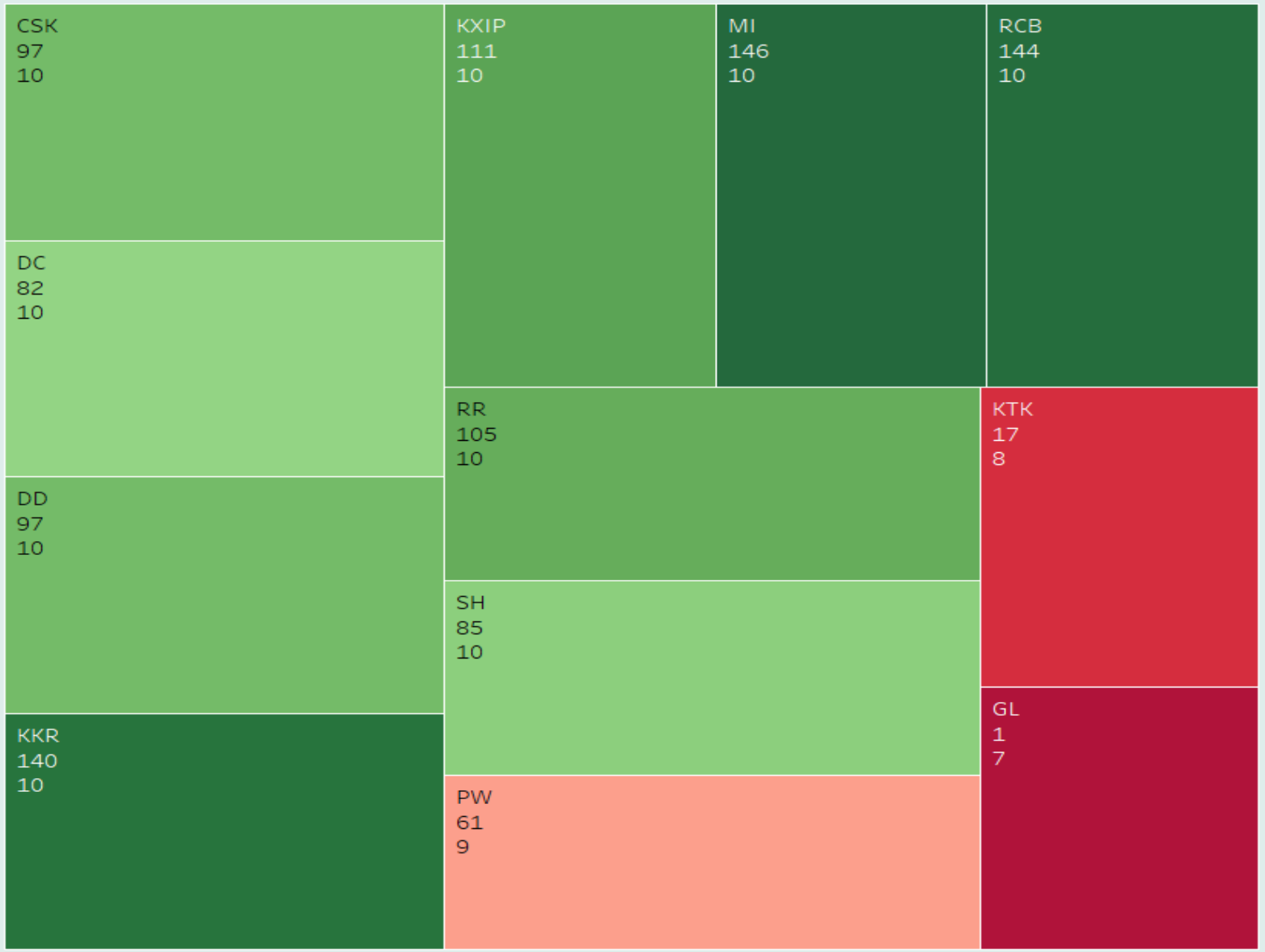


IPL Data Analysis using Tableau

Q. What are the Biggest wins (by runs and by wicket) ?

For most of the teams the biggest win by wickets is 10 wickets so the sizes of plot are almost identical whereas for biggest win by runs is given by the color chart where Mumbai Indians have had the biggest win by 146 runs.

How Important is winning the Toss? | Top Most Wins by Runs & Wickets | Highest totals made evry season | Orange Cap Holder for each s.. | Purple Cap Holder for each season | Moat 4's & 6's for each season | Matches won by e..

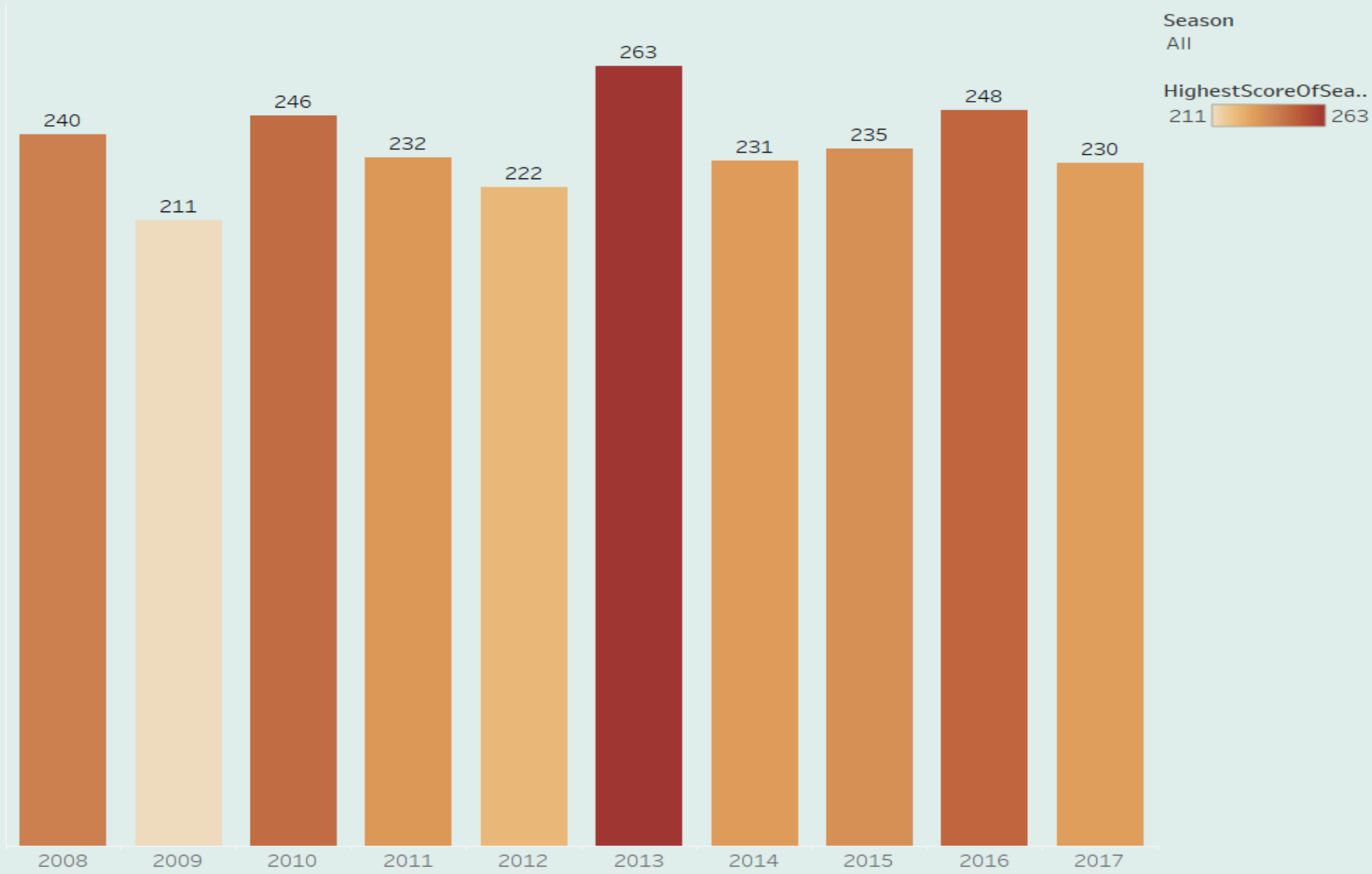


IPL Data Analysis using Tableau

Q.) What is the Highest totals (across all the seasons) ?

As you can see for every season the highest score has been always above 200runs where as in 2013 RCB bashed the highest ever score of 263 runs across all seasons.

How Important is winning the Toss? | Top Most Wins by Runs & Wickets | **Highest totals made evry season** | Orange Cap Holder for each s.. | Purple Cap Holder for each season | Moat 4's & 6's for each season | Matches won by e..

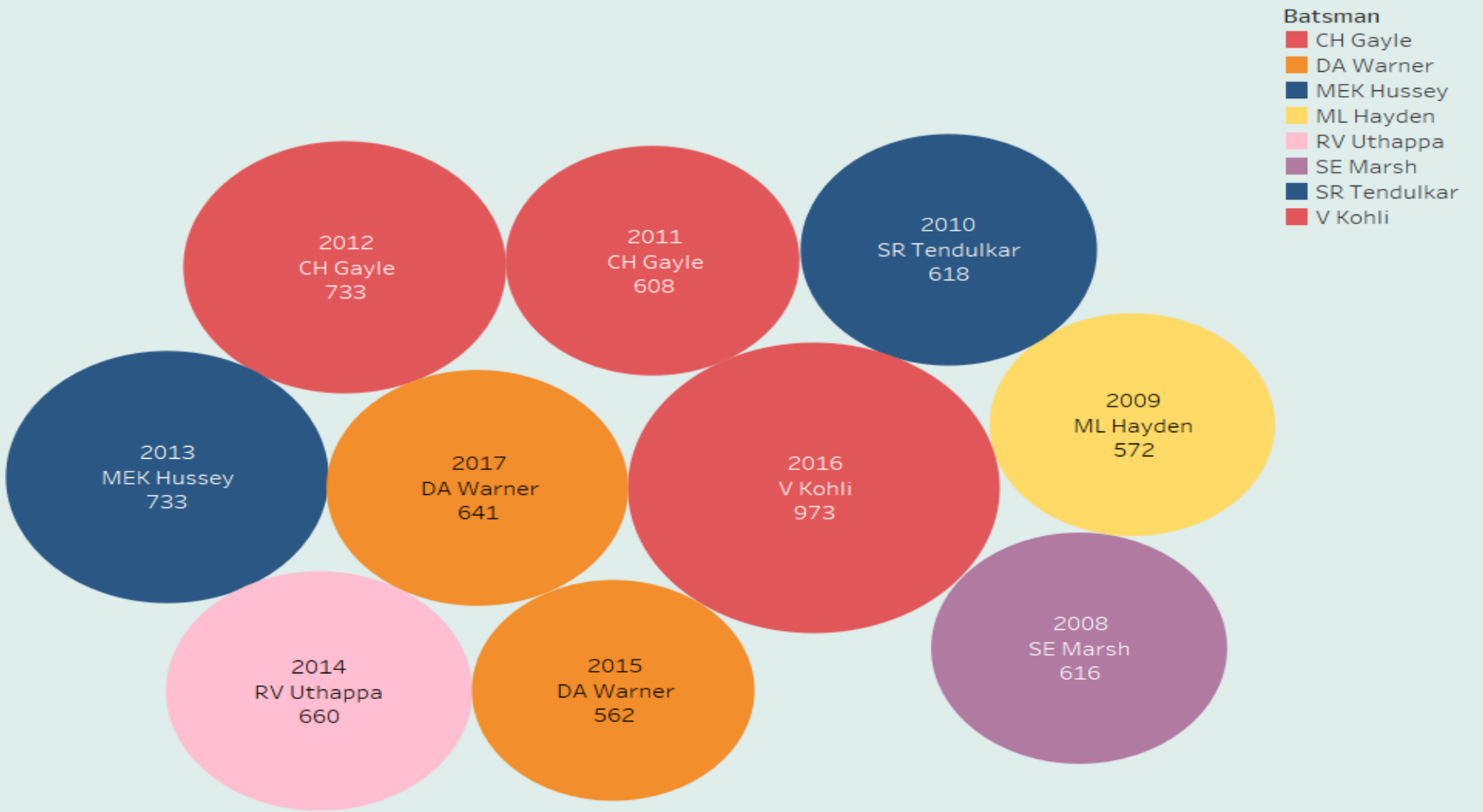


IPL Data Analysis using Tableau

Q. Who are the Orange Cap contenders (The batsmen who have scored the maximum number of runs in a particular season) ?

From the Bubble chart you can see for every season the Orange Cap Holder. Also Chris Gayle and David Warner have won this Orange Cap twice overall.

How Important is .. | Top Most Wins by Runs & Wickets | Highest totals made evry season | Orange Cap Holder for each s.. | Purple Cap Holder for each season | Moat 4's & 6's for each season | Matches won by each team over..

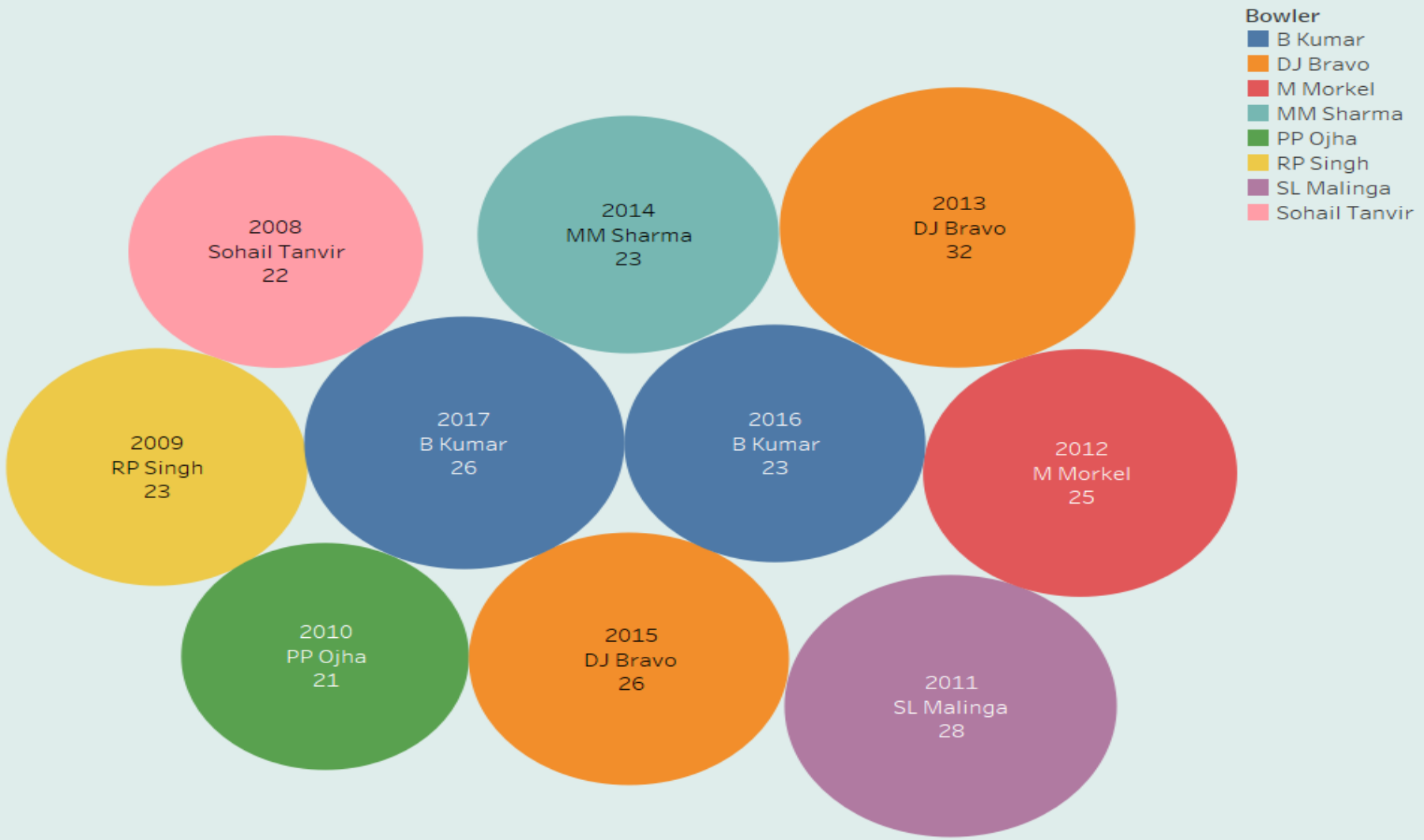


IPL Data Analysis using Tableau

Q. Who are the Purple Cap contenders (The bowlers who have taken the maximum number of wickets in a particular season) ?

From the bubble chart you can see for every season the Purple Cap holder. Also DJ Bravo and B Kumar have won this Cap twice overall.

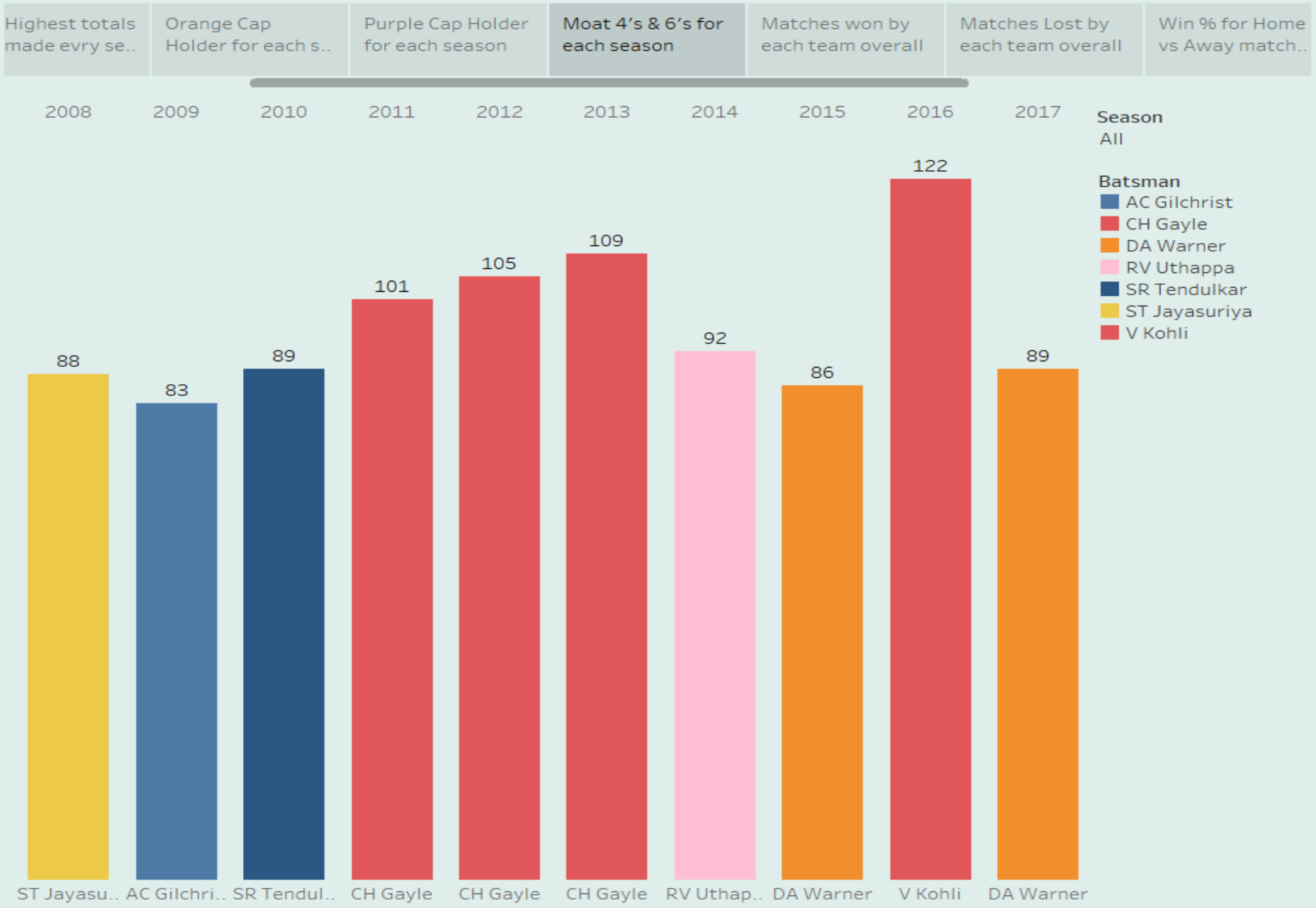
Top Most Wins by Run.. | Highest totals made evry season | Orange Cap Holder for each s.. | **Purple Cap Holder for each season** | Moat 4's & 6's for each season | Matches won by each team overall | Matches Lost by each team over..



IPL Data Analysis using Tableau

Q.) Who are the Batsmen who have hit the most number of fours and sixes (per season and overall)?

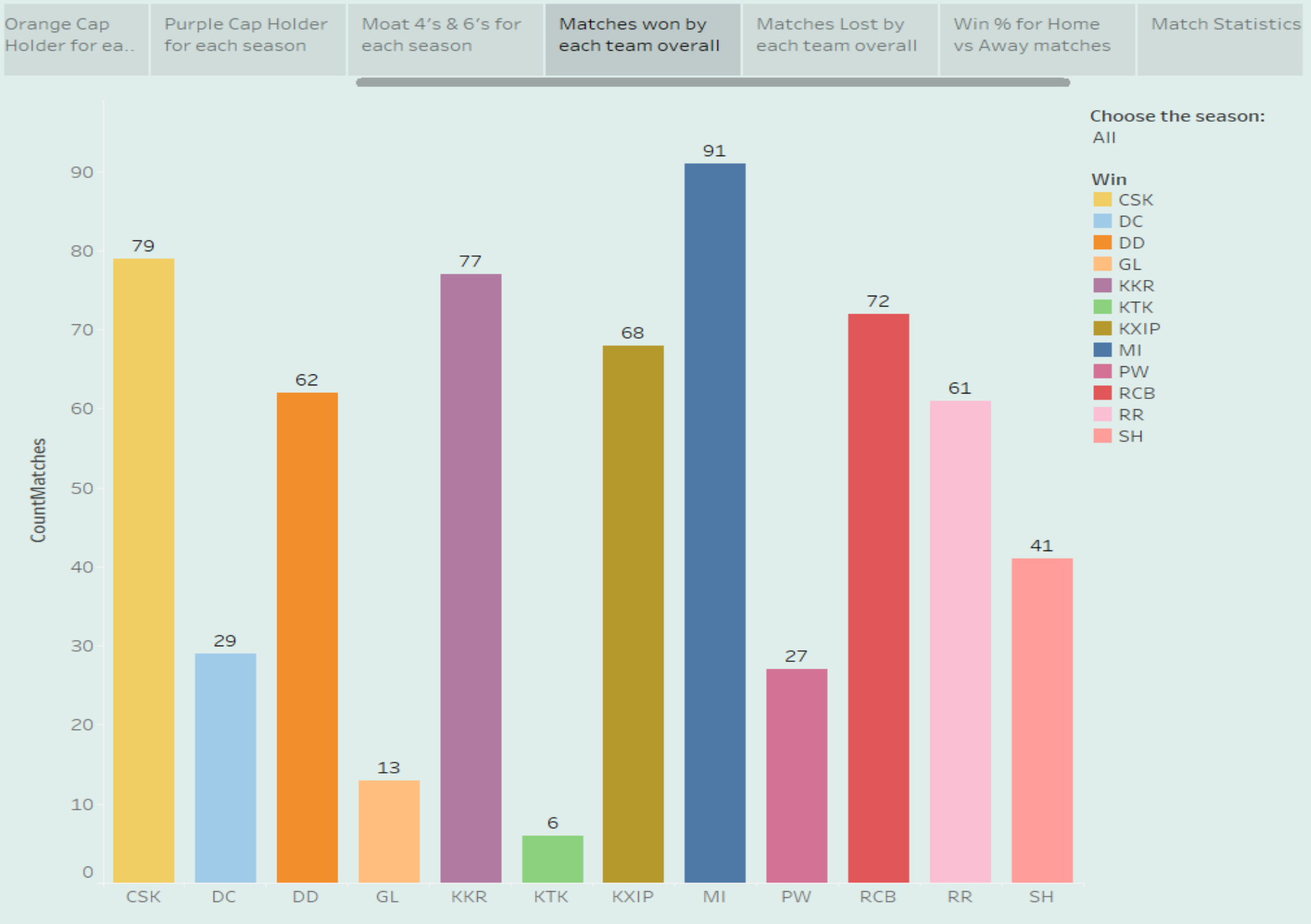
The bar chart clearly states which batsman has hit most number of 4's and 6's in every season. Chris Gayle has been one of the most consistent batsman to be the top List of Hitters which gave him the title "UNIVERSAL BOSS".



IPL Data Analysis using Tableau

Q. What are the statistics of Wins of every team season wise?

Statistics wise Mumbai Indians has won most number of matches in overall IPL season from 2008 to 2017. Also for season wise Stats please check the tableau worksheet.

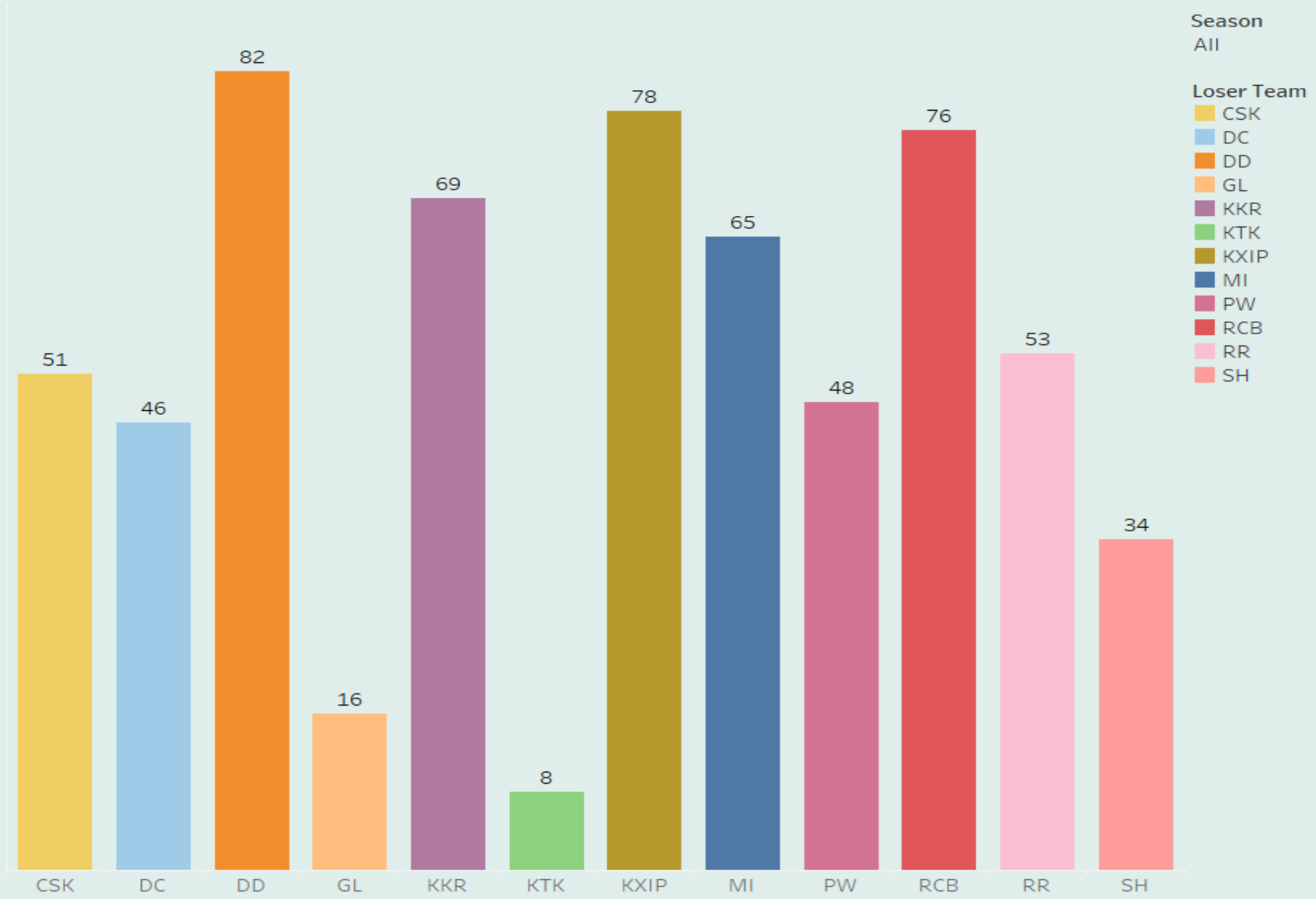


IPL Data Analysis using Tableau

Q. What are the statistics of loses of every team season wise and Overall?

Statistics wise Delhi Dare Devils has lost most number of matches in overall IPL season from 2008 to 2017. Also for season wise Stats please check the tableau worksheet.

Purple Cap Holder for ea.. | Moat 4's & 6's for each season | Matches won by each team overall | **Matches Lost by each team overall** | Win % for Home vs Away matches | Match Statistics | Player Statistics

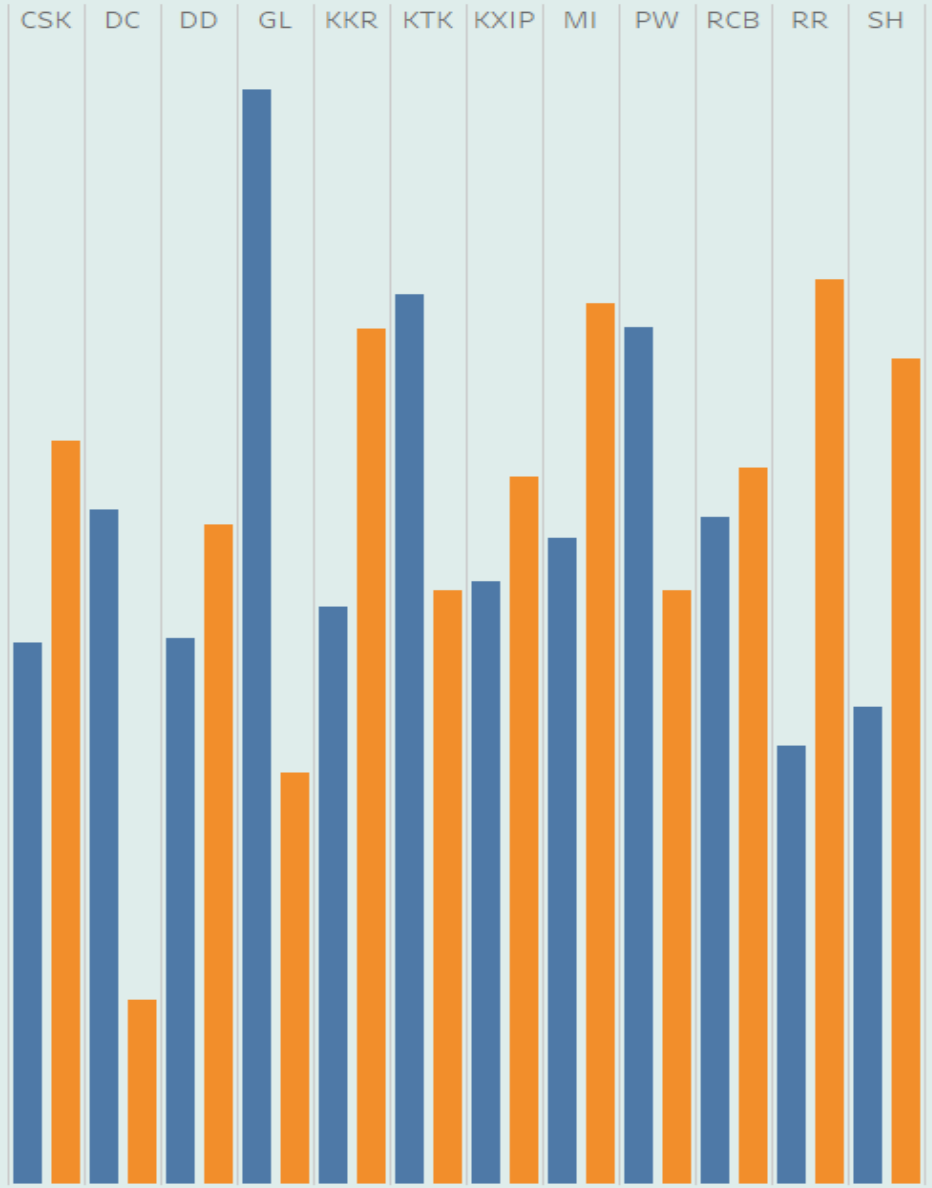


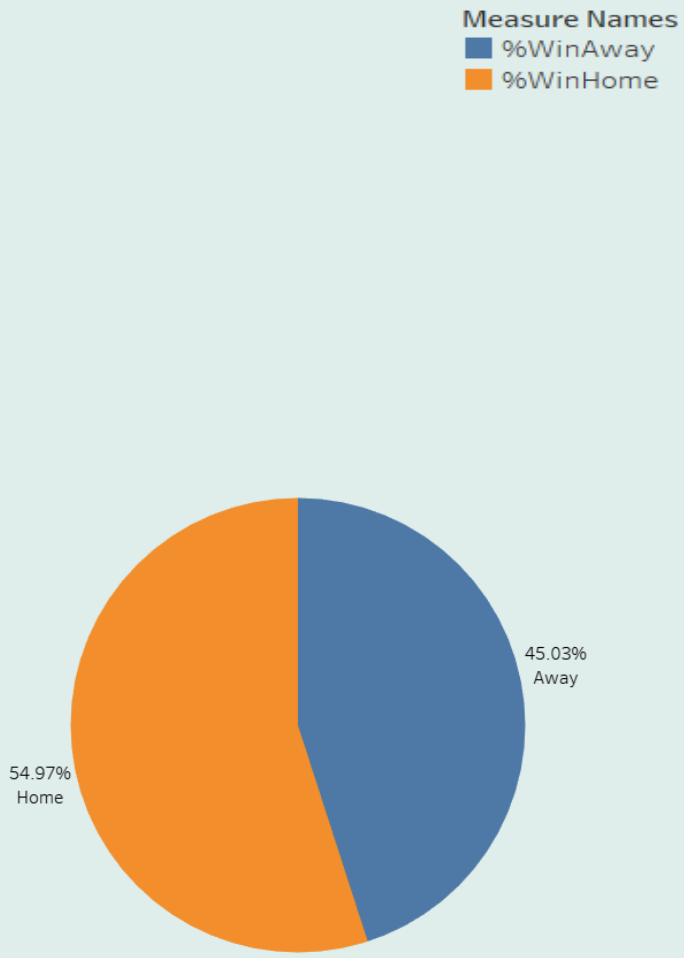
IPL Data Analysis using Tableau

Q. What are the Win percentage (home vs away) ?

As you can see the win chances of Home games is more than away games overall.

Moat 4's & 6's for each seas.. | Matches won by each team overall | Matches Lost by each team overall | **Win % for Home vs Away matches** | Match Statistics | Player Statistics | Team Statistics





IPL Data Analysis using Tableau

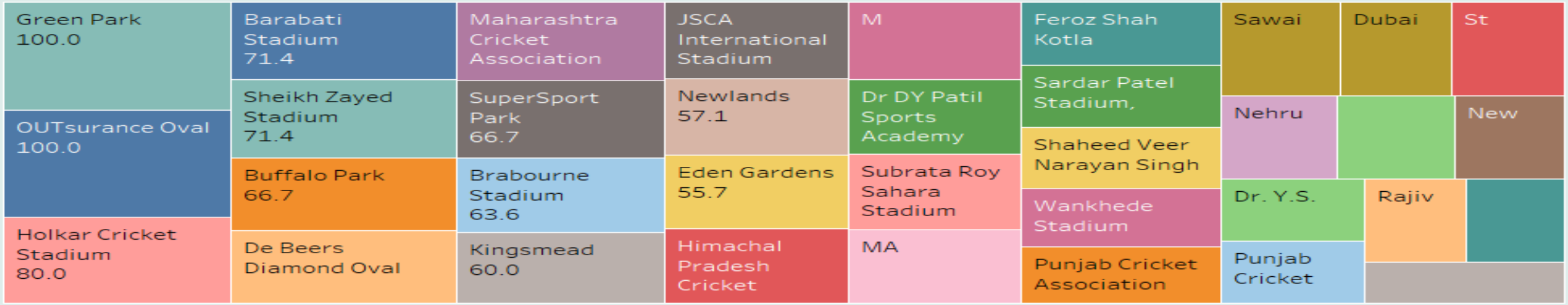
Moat 4's & 6's for ea.. | Matches won by each team overall | Matches Lost by each team overall | Win % for Home vs Away matches | **Match Statistics** | Player Statistics | Team Statistics

MATCH STATISTICS

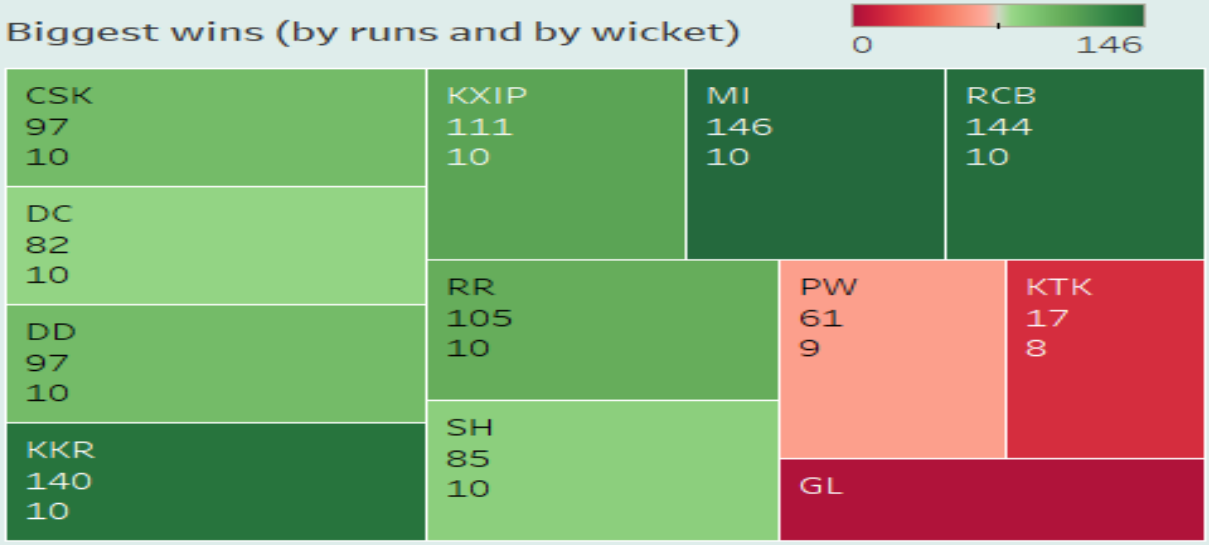
Venue
All

Season
All

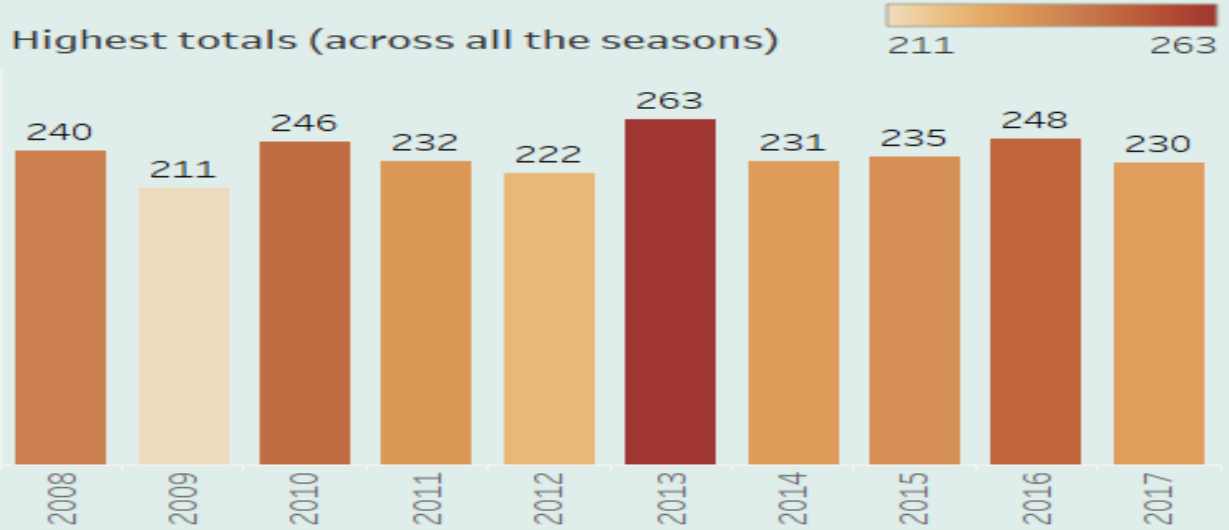
Toss outcome vs Match outcome for Venue



Biggest wins (by runs and by wicket)



Highest totals (across all the seasons)

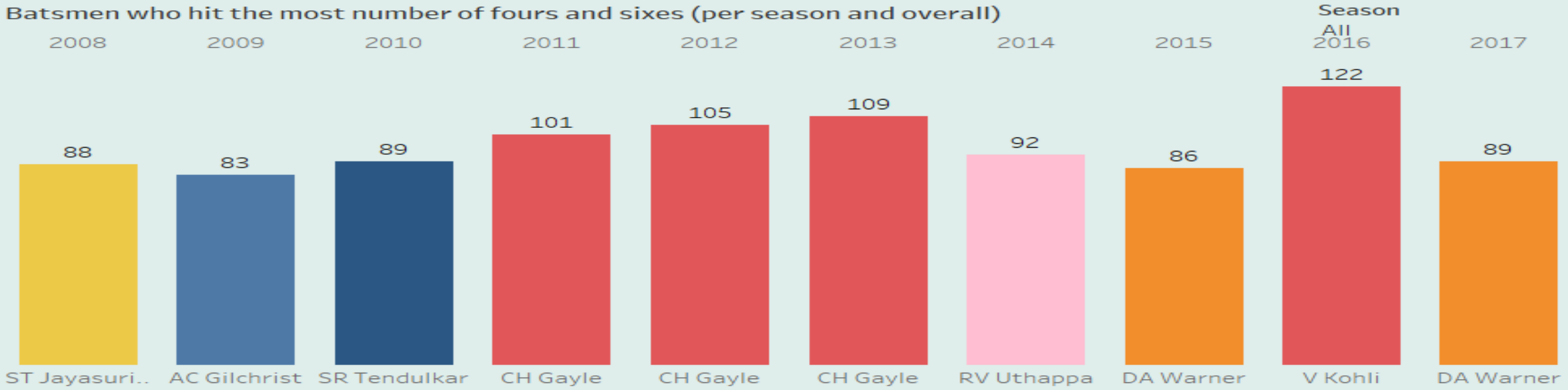


IPL Data Analysis using Tableau

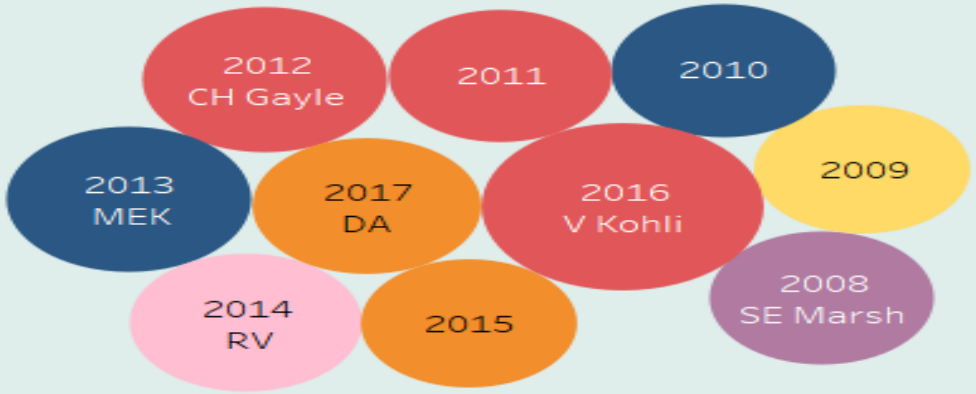
Moat 4's & 6's for ea.. | Matches won by each team overall | Matches Lost by each team overall | Win % for Home vs Away matches | Match Statistics | **Player Statistics** | Team Statistics

PLAYER STATISTICS

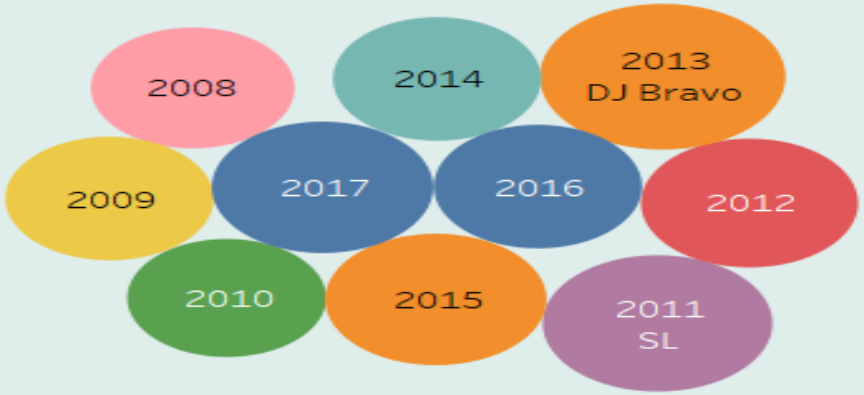
Batsmen who hit the most number of fours and sixes (per season and overall)



Orange Cap Holders



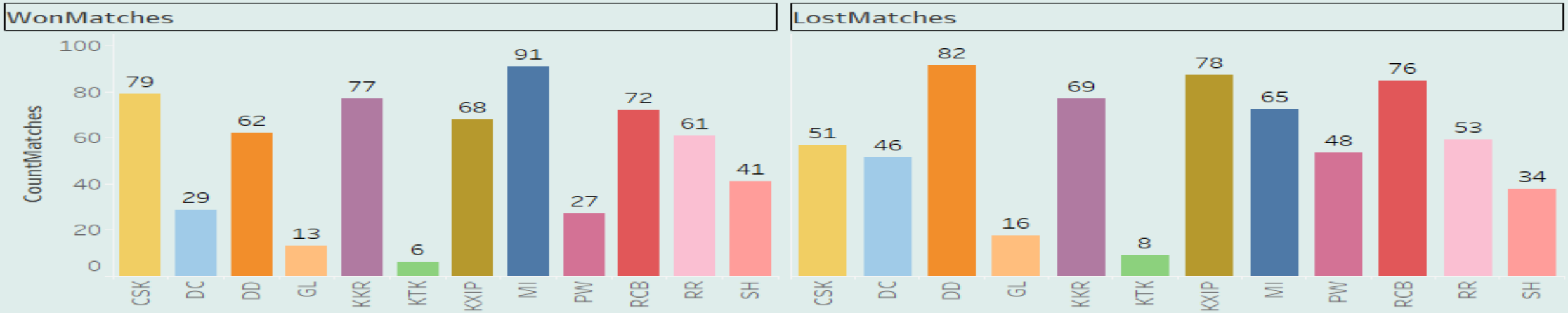
Purple Cap Holders

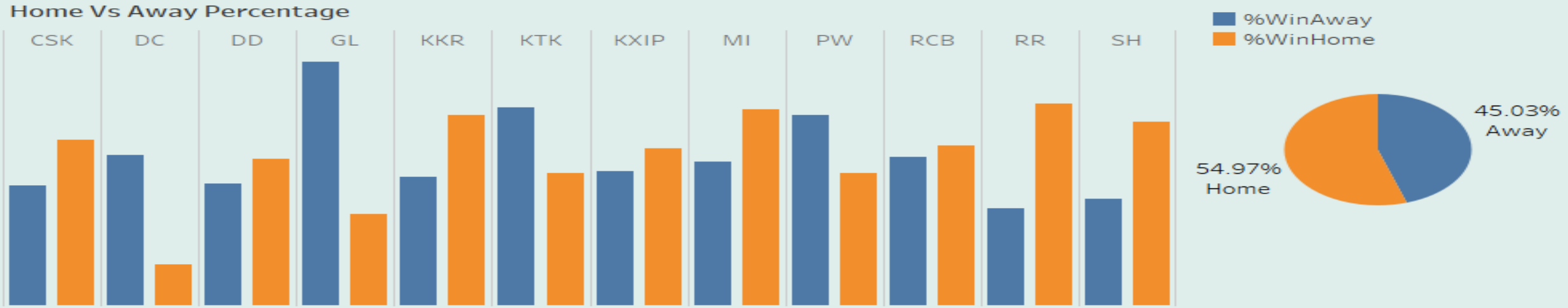


IPL Data Analysis using Tableau

TEAM STATISTICS

Choose the season:
All





THANK YOU