



IPL ASSIGNMENT

**SUBMITTED BY,
KRITHIGA K**

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.

You need to use the following two data set files:

- matches.csv - It contains match-level information for each and every match held in IPL from 2008 to 2017.
- deliveries.csv - It contains ball-by-ball information for each of the matches.

QUESTIONS ASKED

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)

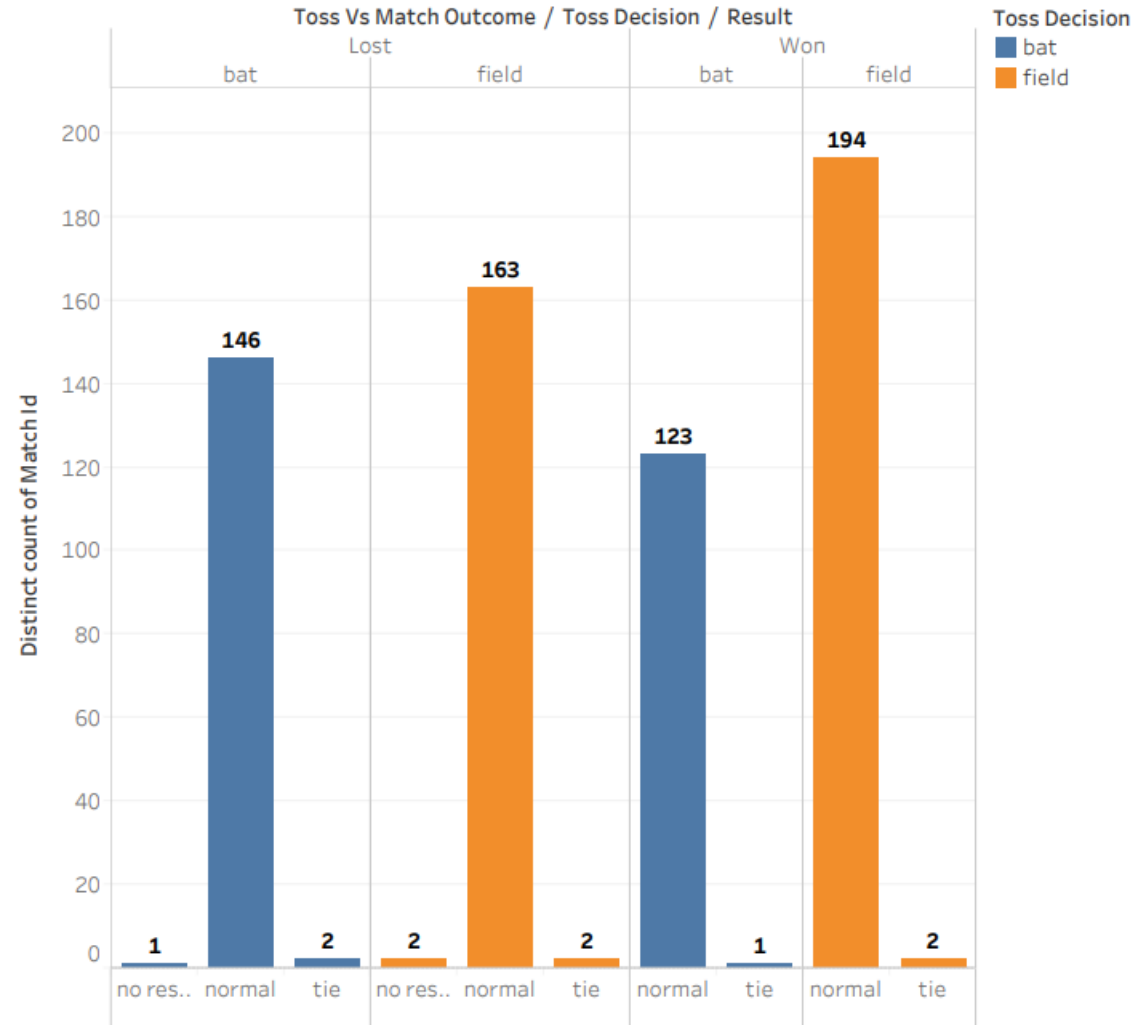
2. Player Statistics

- 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

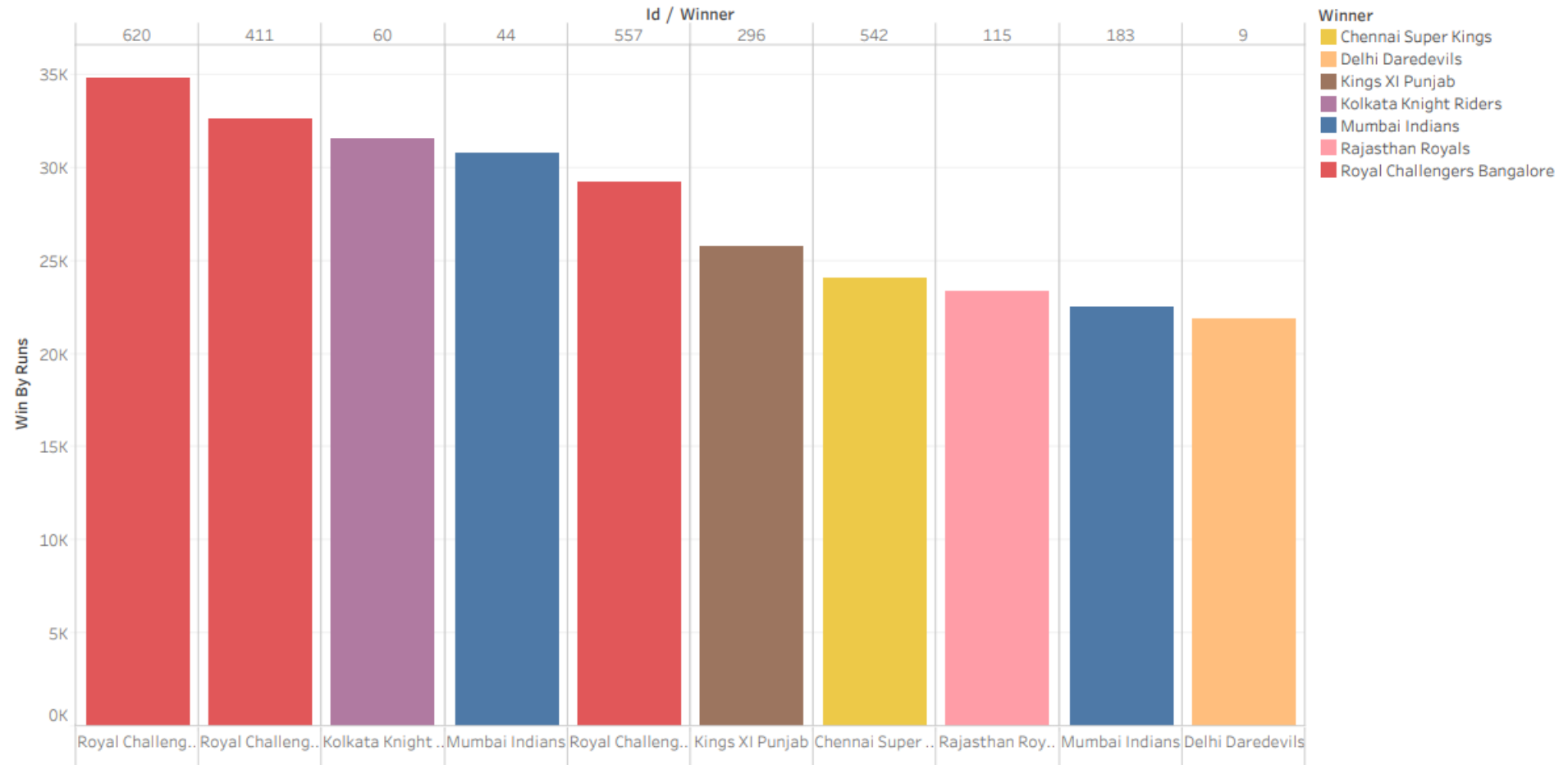
- Season-wise team performance (wins vs losses)
- Win %age (home vs away)

Toss Outcome Vs Match Outcome



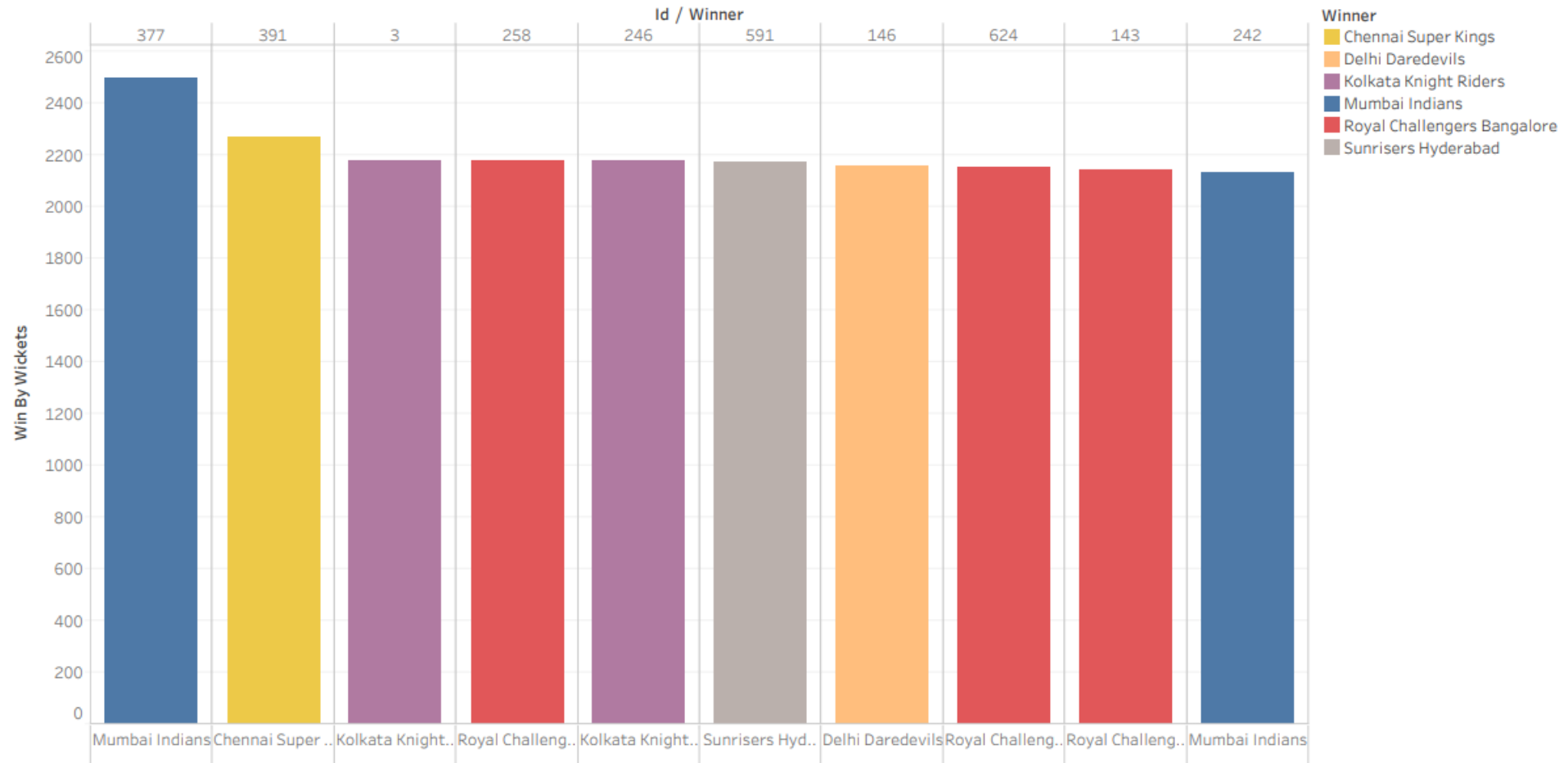
Distinct count of Match Id for each Result broken down by Toss Vs Match Outcome and Toss Decision. Color shows details about Toss Decision. Details are shown for Toss Decision. The data is filtered on venue , which keeps True.

Biggest Wins By Runs



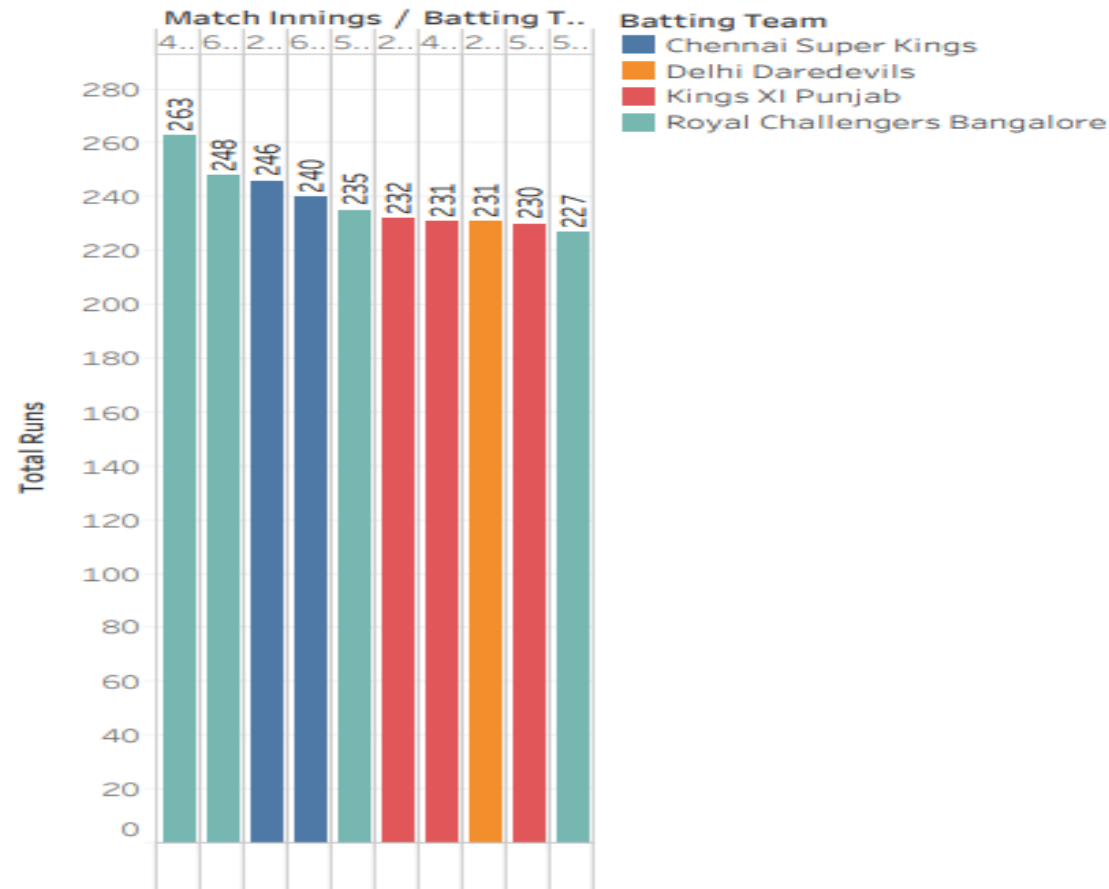
Sum of Win By Runs for each Winner broken down by Id. Color shows details about Winner. The view is filtered on Id, which keeps 10 of 636 members.

Biggest Wins By Wickets



Sum of Win By Wickets for each Winner broken down by Id. Color shows details about Winner. The view is filtered on Id, which keeps 10 of 636 members.

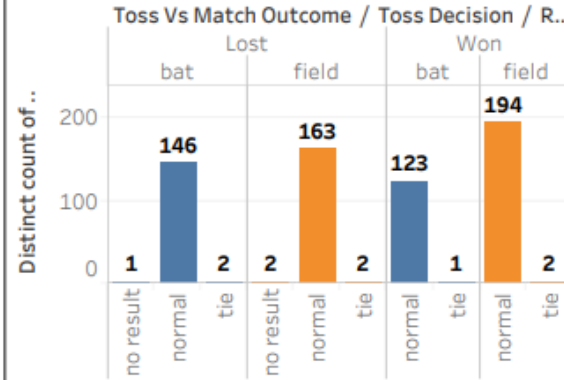
Highest Total Across All Seasons



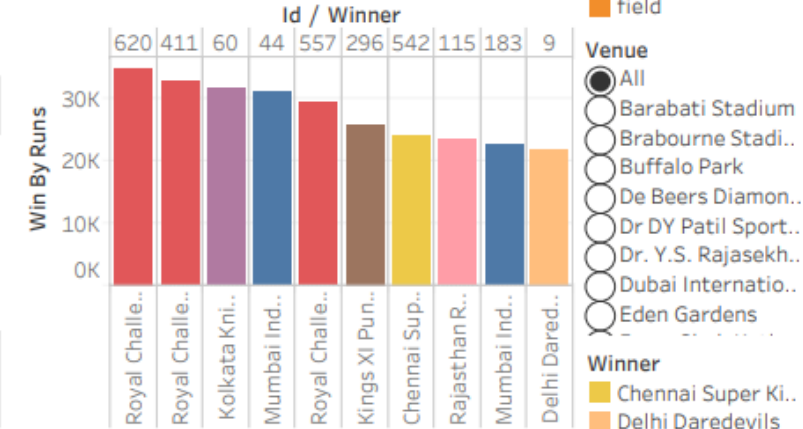
Sum of Total Runs for each Batting Team broken down by Match Innings. Color shows details about Batting Team. The data is filtered on YEAR, which keeps True. The view is filtered on Match Innings, which has multiple members selected.

Match Statistics

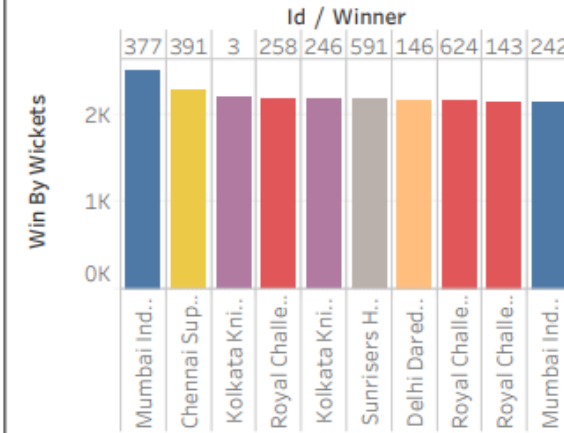
Toss Outcome Vs Match Outcome



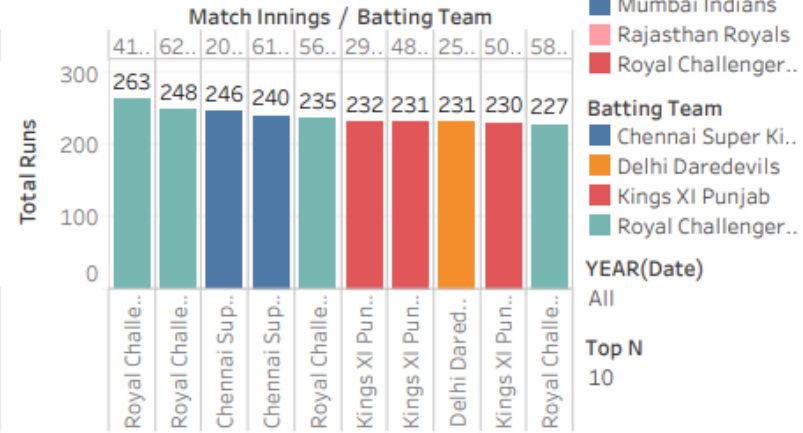
Biggest Wins By Runs



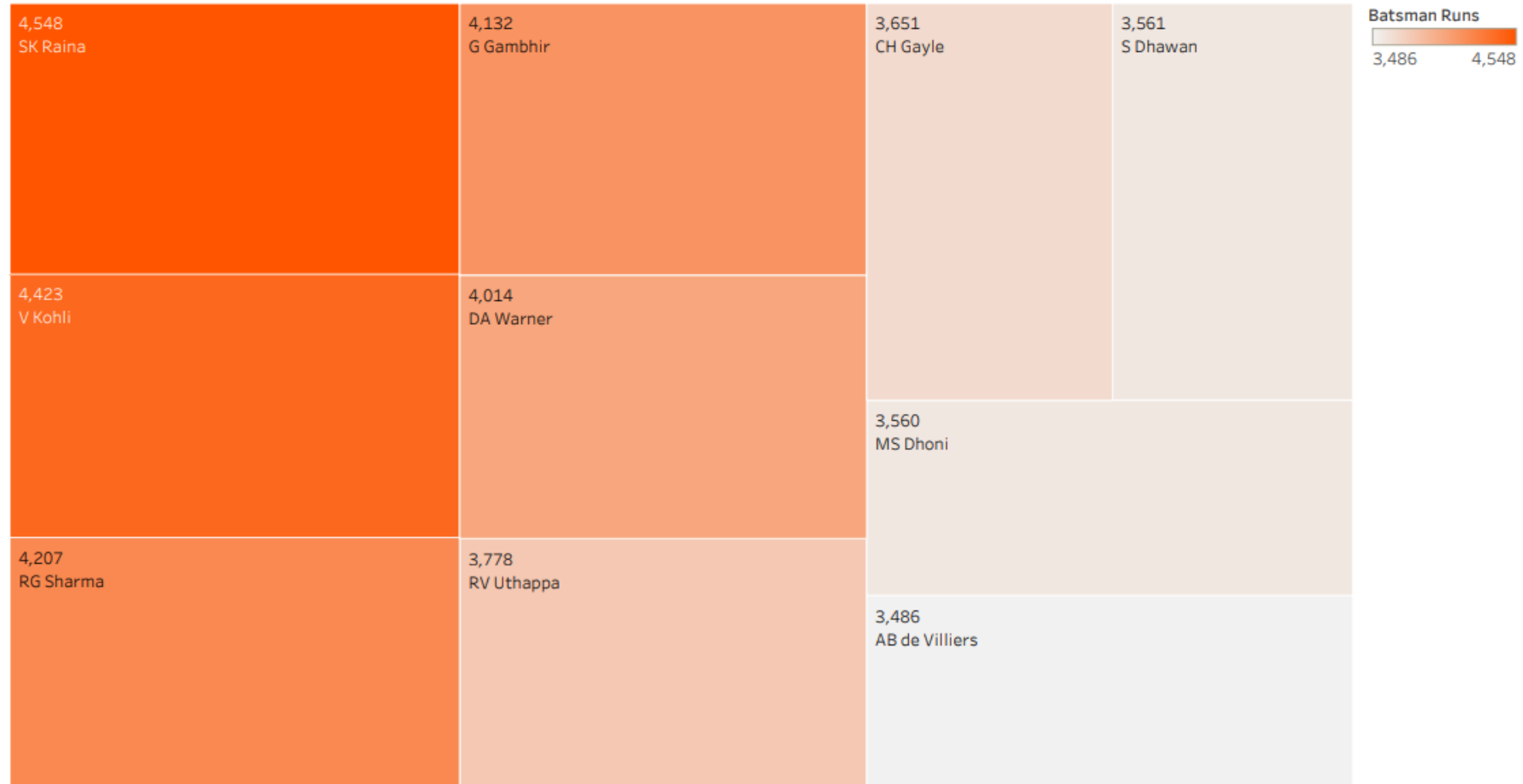
Biggest Wins By Wickets



Highest Total Across All Seasons

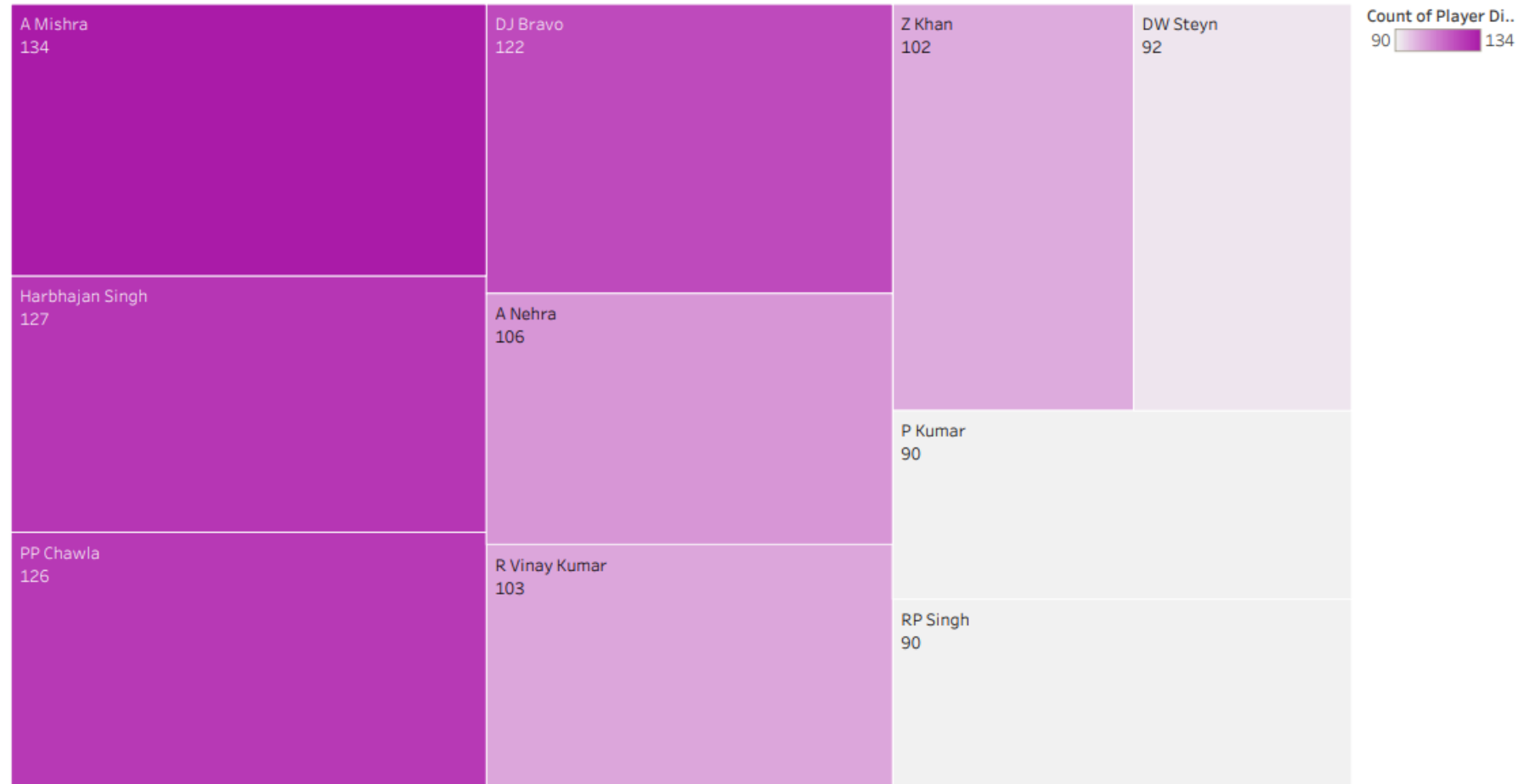


Orange Cap Contenders



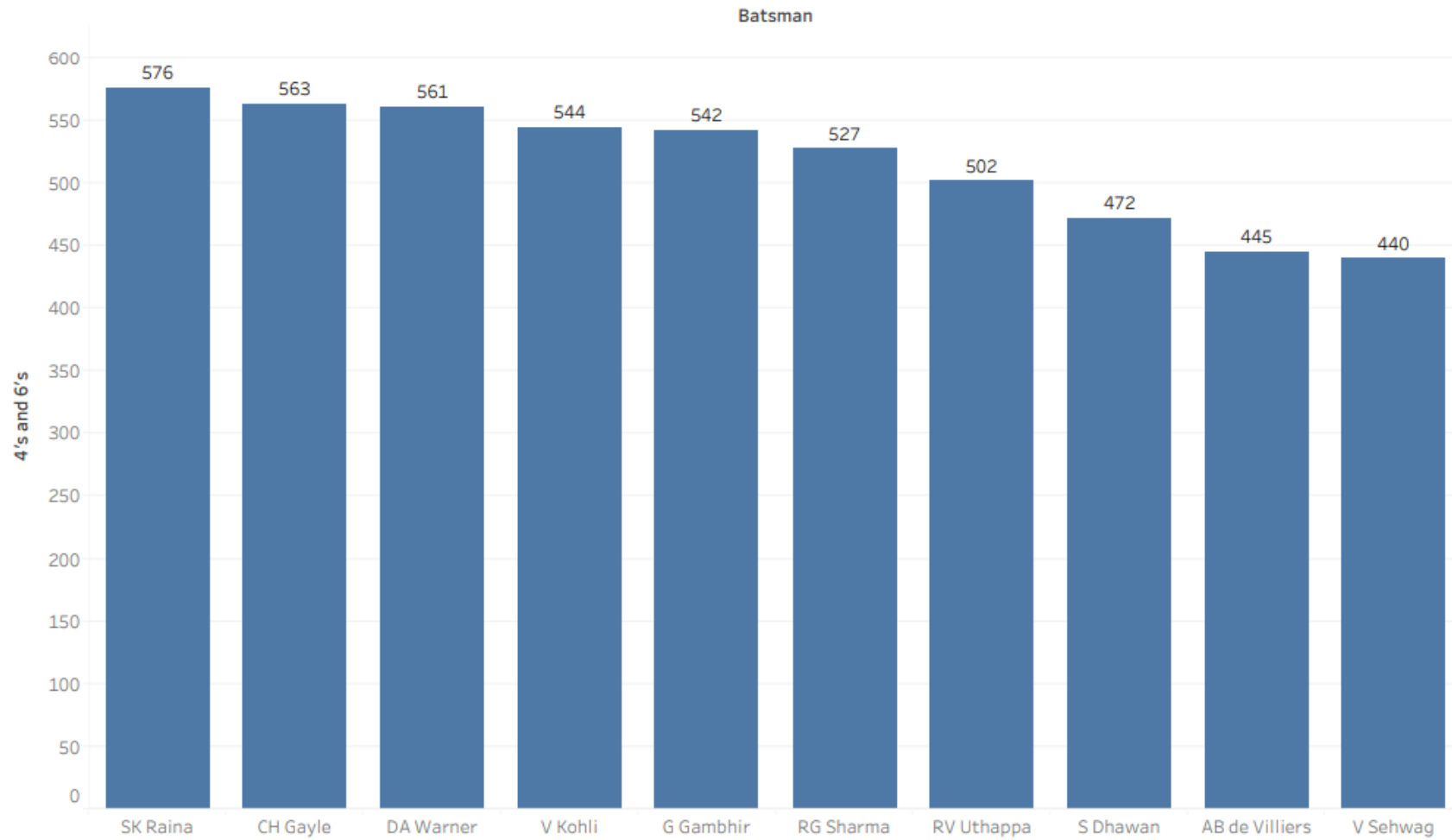
Sum of Batsman Runs and Batsman. Color shows sum of Batsman Runs. Size shows sum of Batsman Runs. The marks are labeled by sum of Batsman Runs and Batsman. The data is filtered on Batting Team and YEAR. The Batting Team filter keeps 13 of 13 members. The YEAR filter keeps True. The view is filtered on Batsman, which keeps 10 of 461 members.

Purple Cap Contenders




Bowler and count of Player Dismissed. Color shows count of Player Dismissed. Size shows count of Player Dismissed. The marks are labeled by Bowler and count of Player Dismissed. The data is filtered on YEAR and Dismissal Kind. The YEAR filter keeps True. The Dismissal Kind filter excludes Null, obstructing the field, retired hurt and run out. The view is filtered on Bowler, which keeps 10 of 356 members.

Most 4's and 6's




4's and 6's for each Batsman. The data is filtered on YEAR, which keeps True. The view is filtered on Batsman, which keeps 10 of 461 members.

Most 4's

Batsman		Fours
G Gambhir	484	
SK Raina	402	
DA Warner	401	
S Dhawan	401	
V Kohli	384	
RV Uthappa	377	
RG Sharma	354	
V Sehwag	334	
CH Gayle	297	
AB de Villiers	287	

Fours broken down by Batsman. Color shows Fours. The marks are labeled by Fours. The data is filtered on YEAR, which keeps True. The view is filtered on Batsman, which keeps 10 of 461 members.

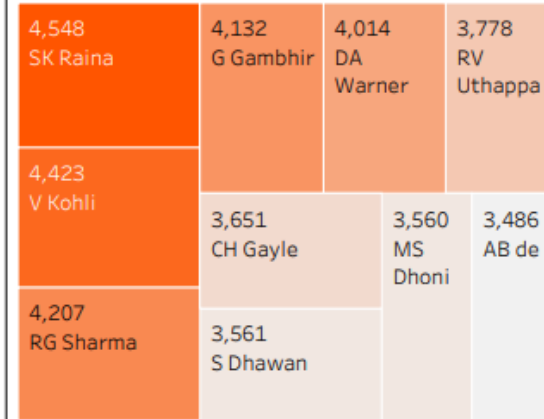
Most 6's

Batsman		Sixes
CH Gayle	266	
SK Raina	174	
RG Sharma	173	
DA Warner	160	
V Kohli	160	
AB de Villiers	158	
RV Uthappa	125	
V Sehwag	106	
S Dhawan	71	
G Gambhir	58	

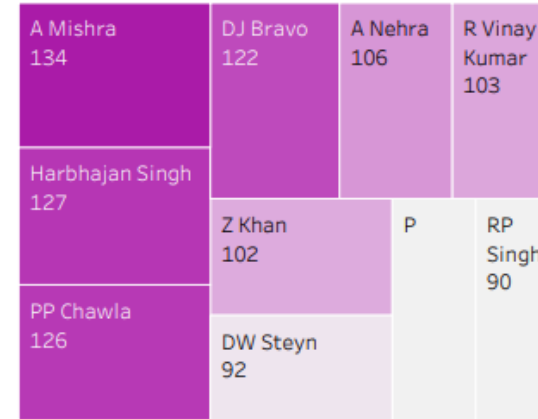
Sixes broken down by Batsman. Color shows Sixes. The marks are labeled by Sixes. The data is filtered on YEAR, which keeps True. The view is filtered on Batsman, which keeps 10 of 461 members.

Player Statistics

Orange Cap Contenders



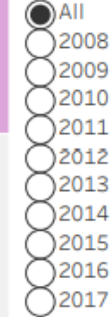
Purple Cap Contenders



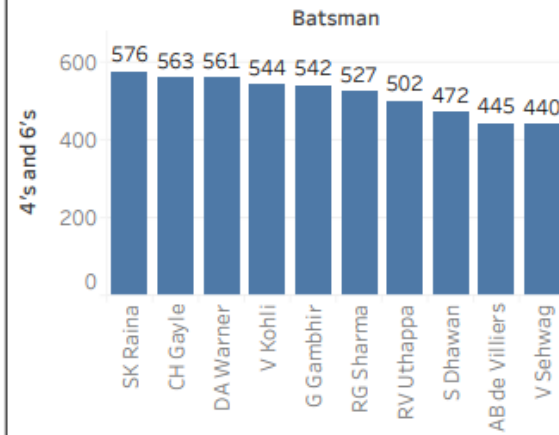
Batsman Runs



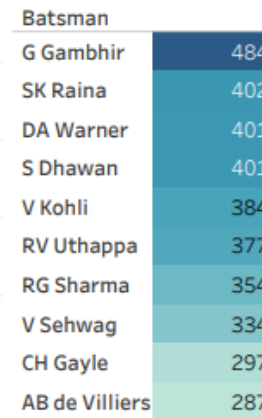
YEAR(Date)



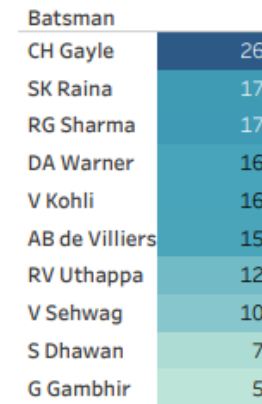
Most 4's and 6's



Most 4's



Most 6's



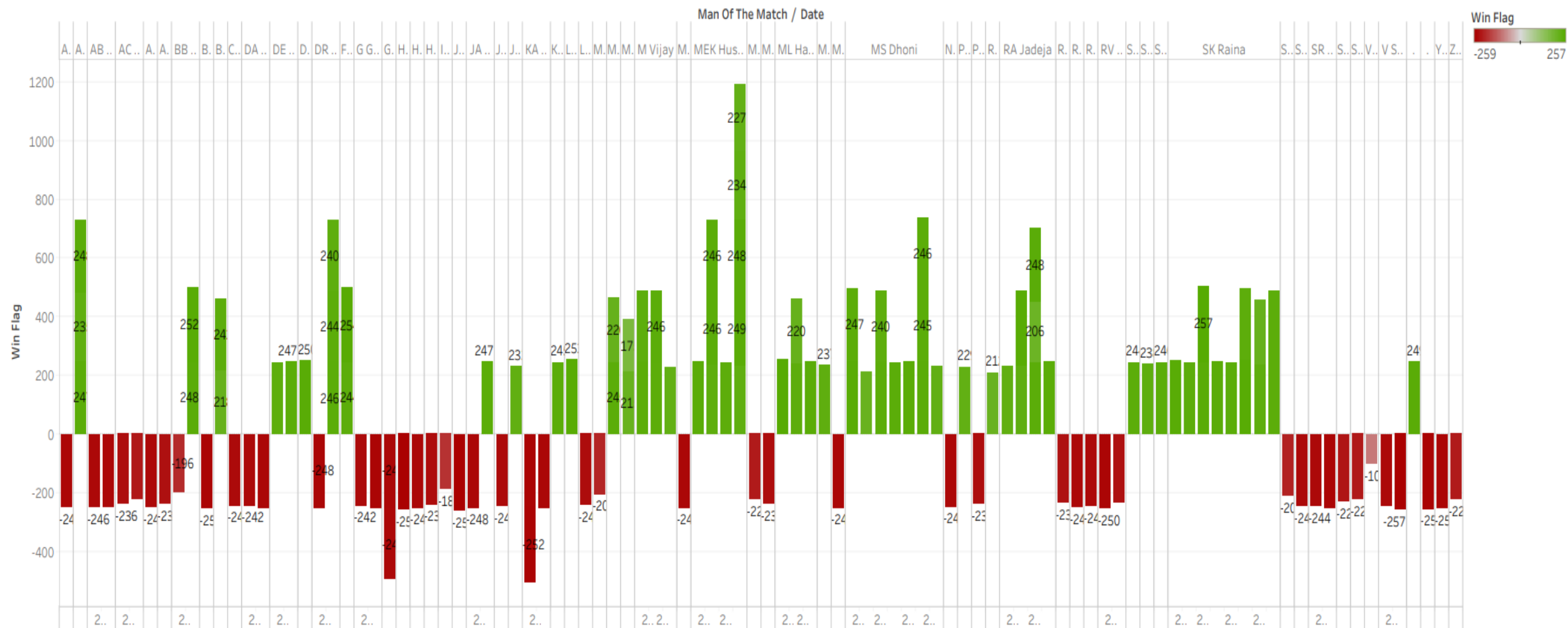
Top N
10

Count of Player Dismi..
90 134

Fours
287 484

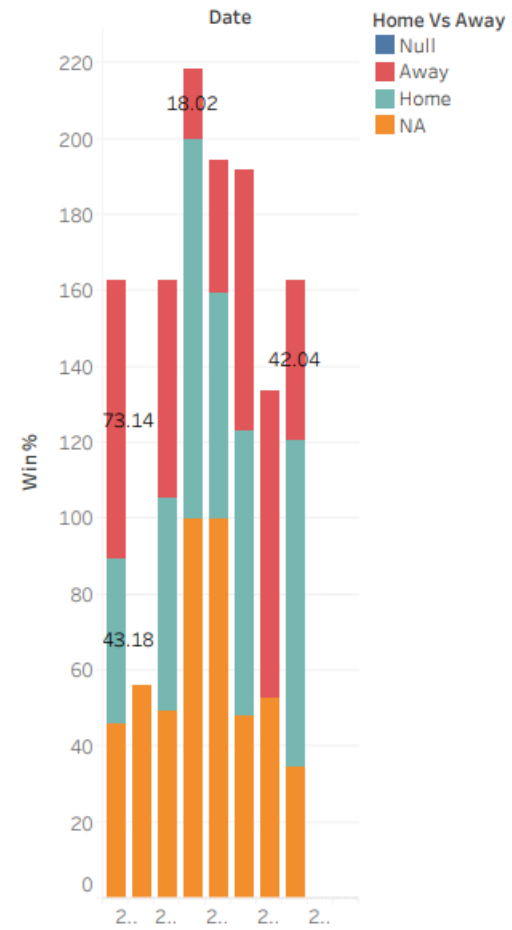
Sixes
58 266

Team Performance Season-Wise



Sum of Win Flag for each Date Year broken down by Man Of The Match. Color shows sum of Win Flag. Details are shown for Id. The data is filtered on YEAR, which keeps True. The view is filtered on Man Of The Match, which excludes Null.

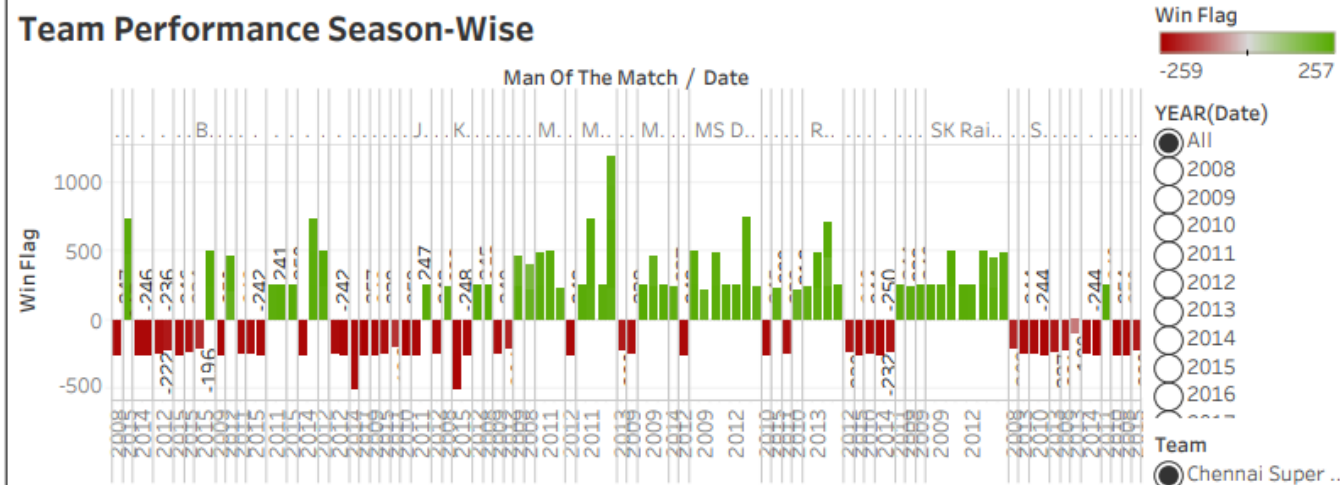
Win %Age



Win % for each Date Year. Color shows details about Home Vs Away. The marks are labeled by Win %. The data is filtered on Home_Vs_Away, which keeps True.

Team Statistics

Team Performance Season-Wise



Win %Age

