
IPL VISUALISATION ASSIGNMENT

By BHAVENDRA SAHU



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.

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 demands 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 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 are provided for interactivity.

Subtasks:

We have created 3 dashboards having 3 categories as follows:

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

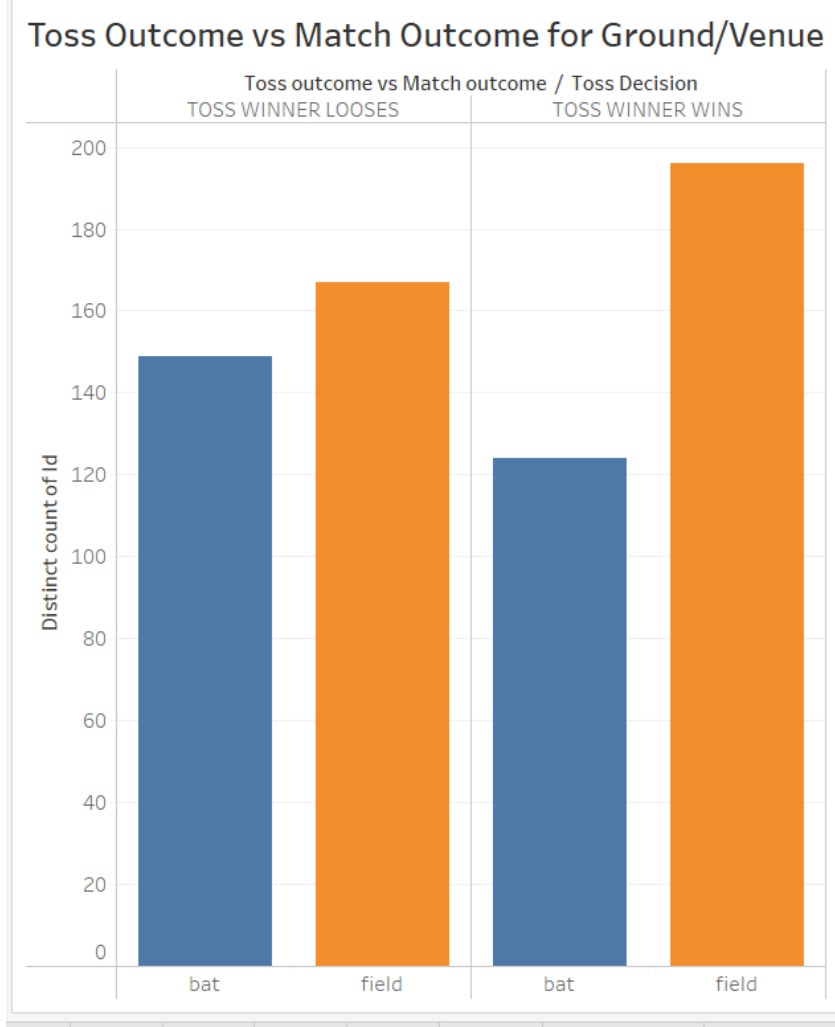
- Orange Cap contenders (The batsmen who have scored the maximum number of runs in a particular season)
- Purple Cap contenders (The bowlers who have taken the maximum number of wickets in a particular season)
- Batsmen who have hit the most number of fours and sixes (per season and overall)

3. Team Statistics

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

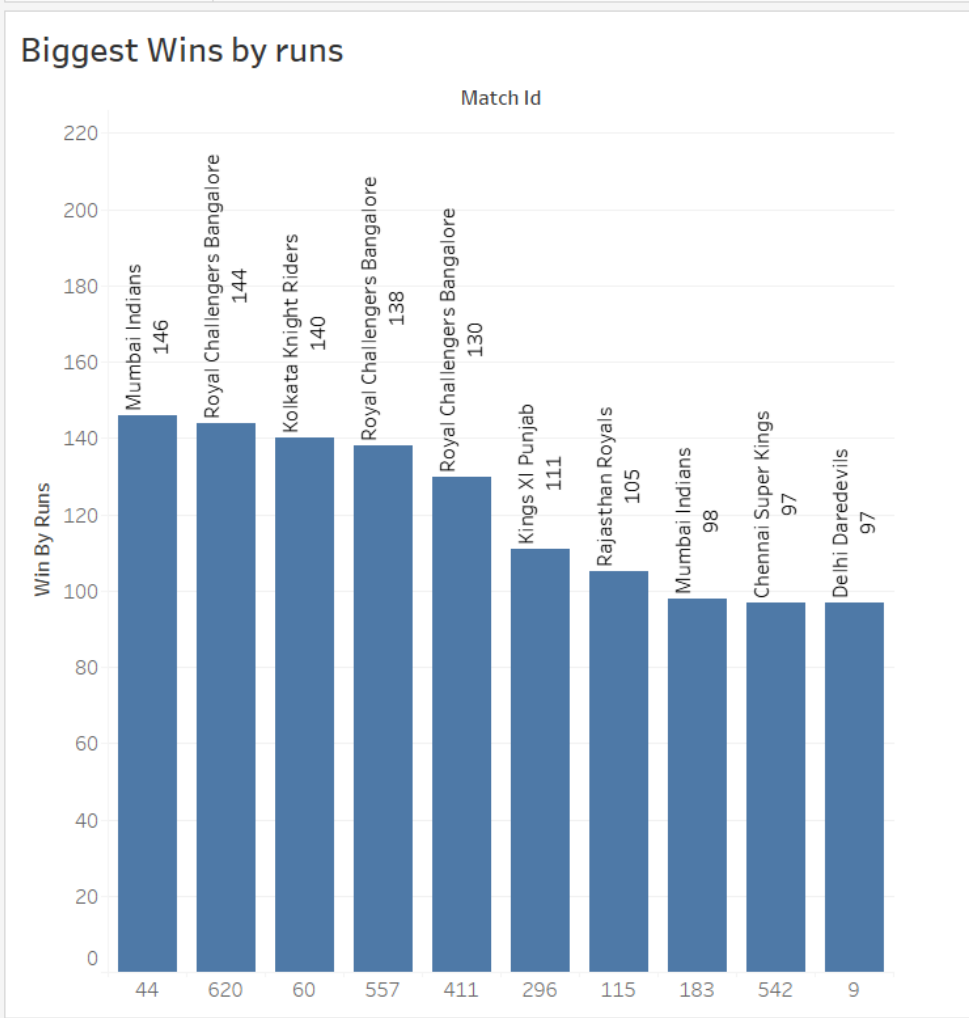
1. Insight of Toss Outcome vs Match Outcome (for each ground/venue)

There are around 316 toss winners who won's the toss but looses the match & almost 320 toss winners who won's the toss & also wins the match.



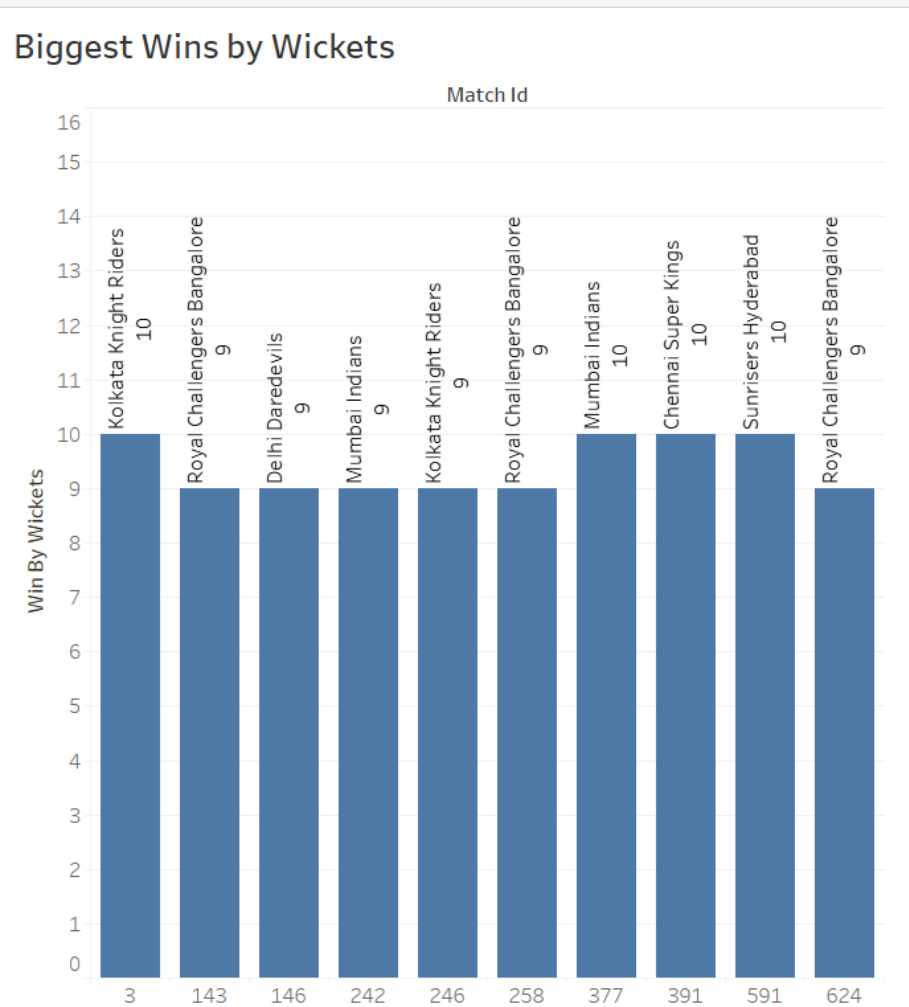
2. Biggest wins (by runs)

This graph shows the top 10 teams who wins the match by highest number of runs.



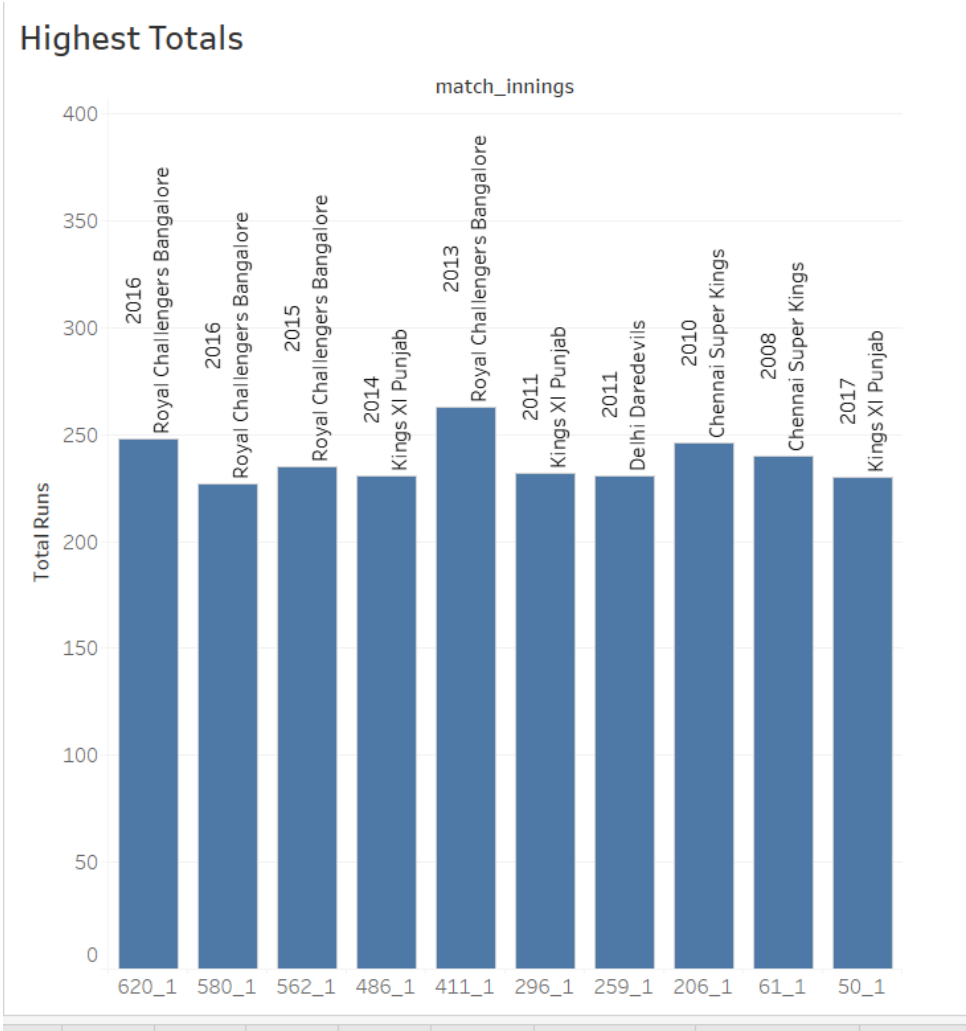
3. Biggest wins (by wickets)

This graph shows the top 10 teams who wins the match by highest number of wickets.



4. Highest Totals

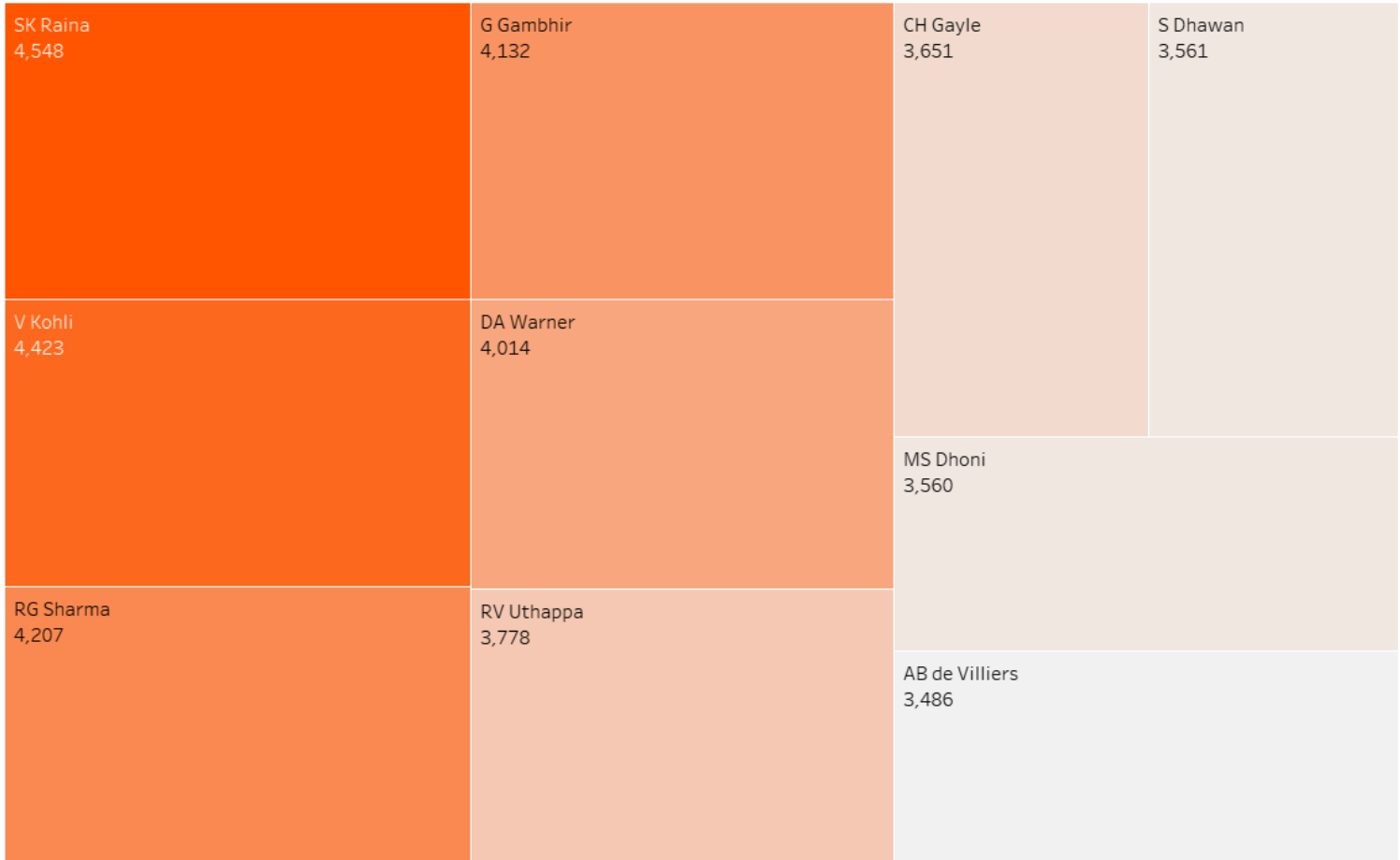
This graph shows the teams with highest of total runs across all seasons.



5. Orange Cap contenders

The treemap shows the batsmen who have scored the maximum number of runs in a particular season.

Orange Cap Contenders



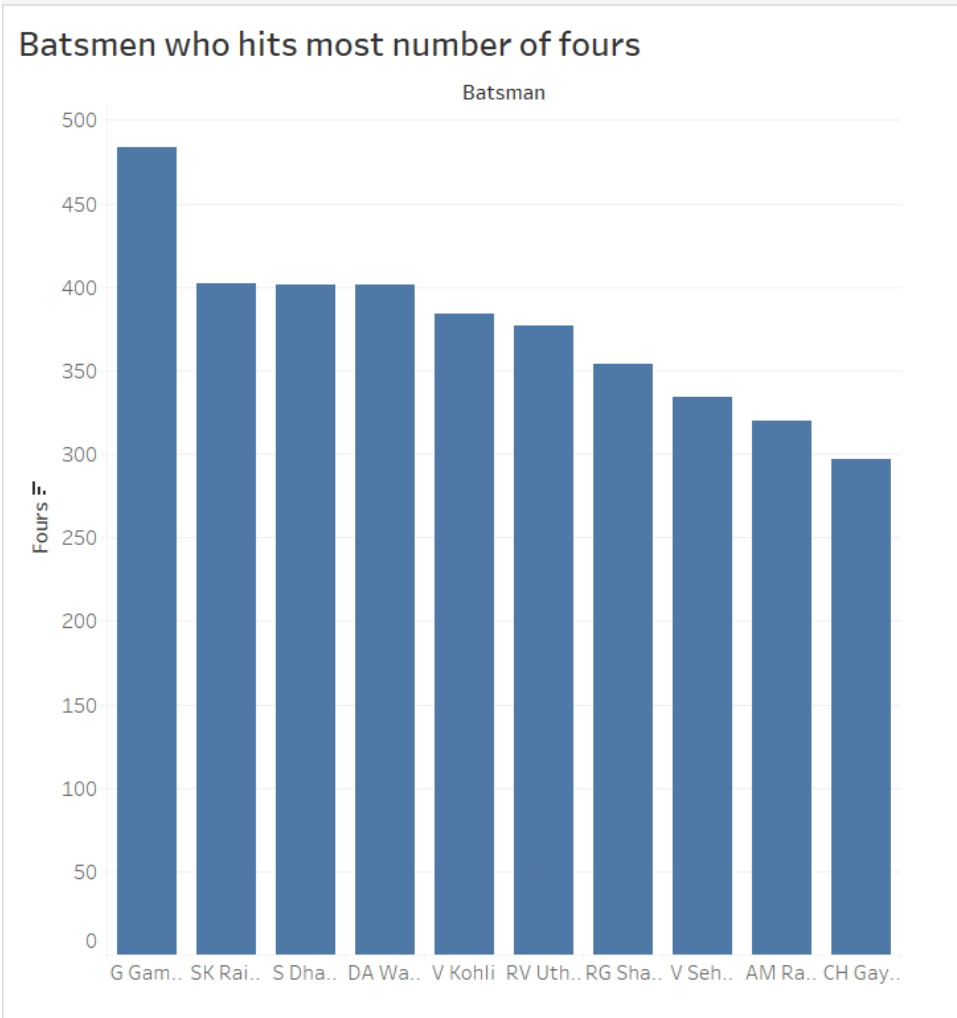
6.Purple Cap contenders

The treemap shows the batsmen who have taken the maximum number of wickets in a particular season.

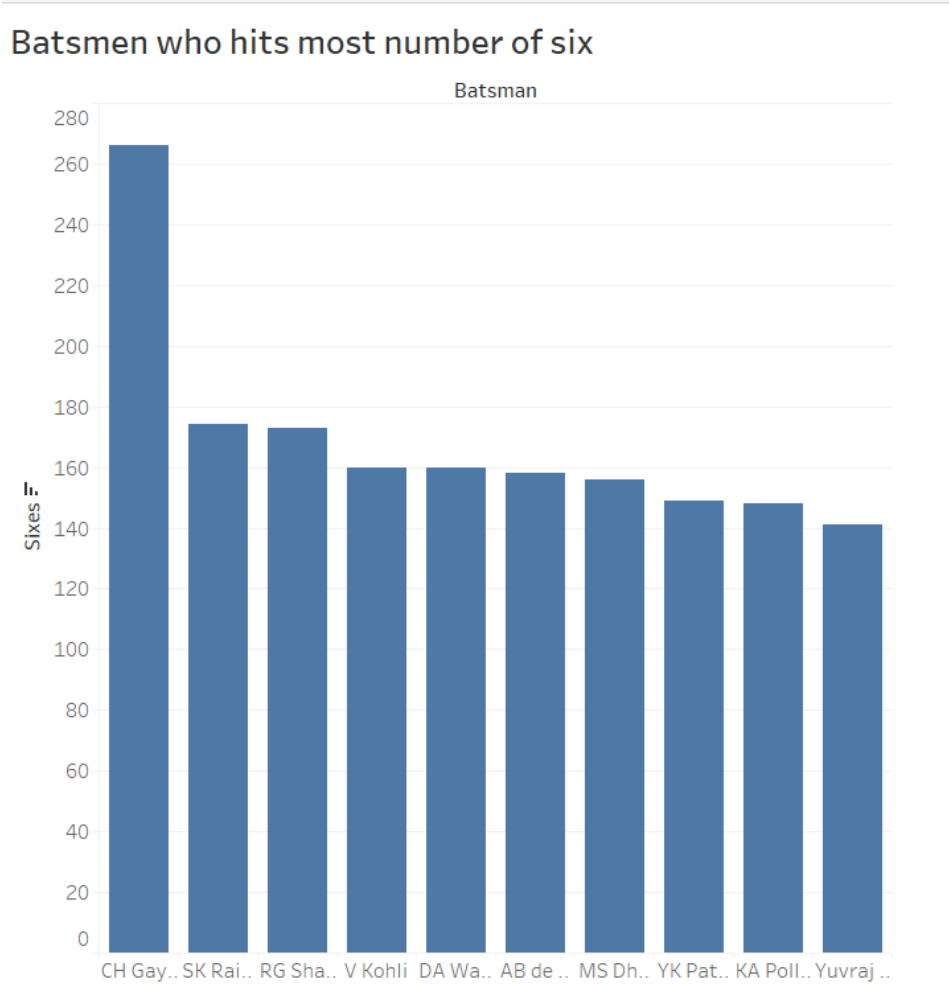
Purple Cap Contenders



7.Batsmen who have hit the most number of fours.

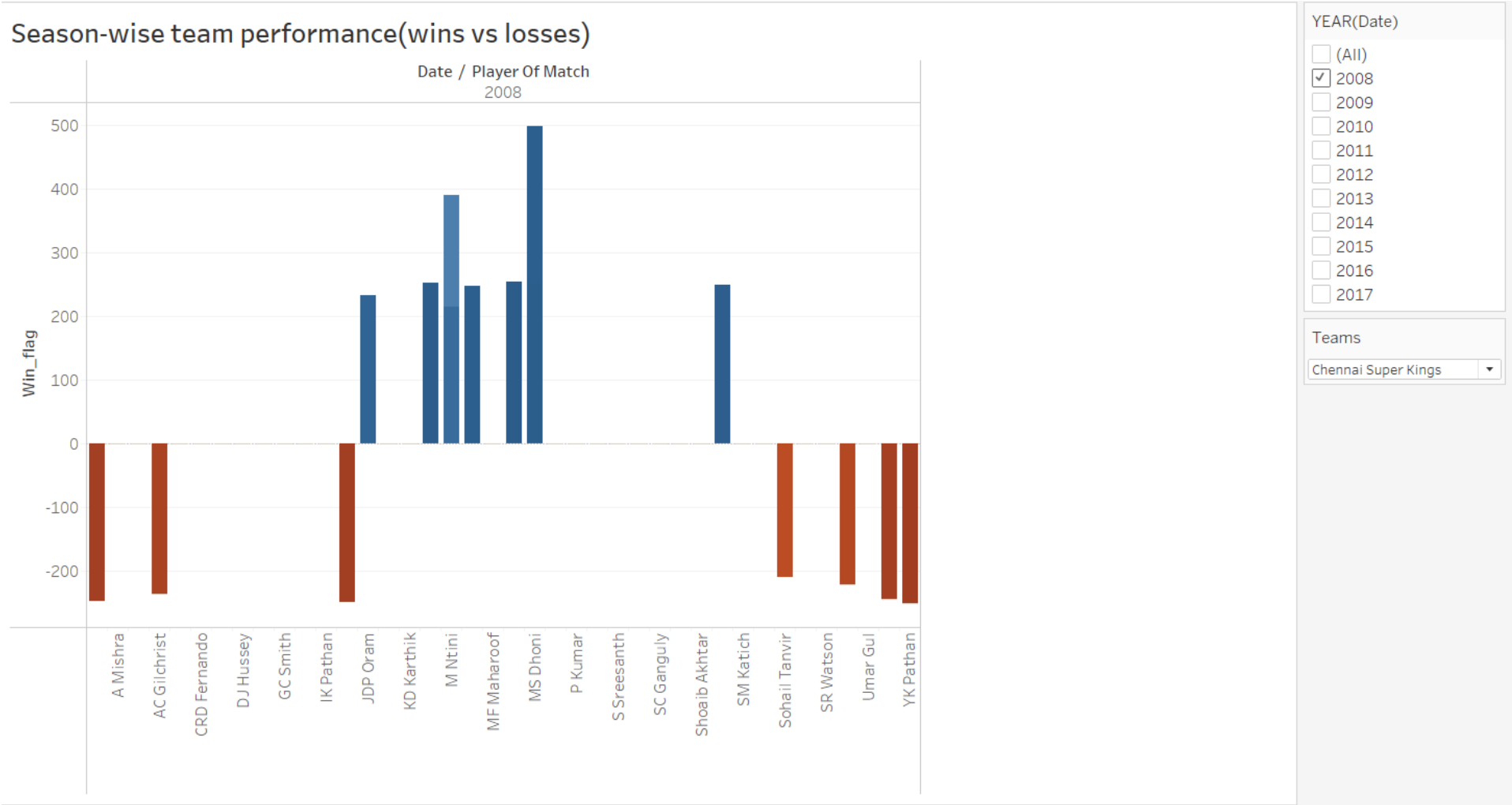


8.Batsmen who have hit the most number of sixes.



9.Season-wise team performance (wins vs losses)

This are the results of performance of all the teams at every particular seasons.



10. Win %age (home vs away)

This are the winning percentages of the teams playing at home or away .

Win %age (home vs away)			
Year of D..	home vs away		NA
	Away	Home	
2008	73.14%	43.18%	46.24%
2009			56.04%
2010	56.89%	55.90%	49.69%
2011	18.02%	100.00%	100.00%
2012	34.59%	59.52%	100.00%
2013	68.60%	74.97%	48.35%
2014	80.52%		53.00%
2015	42.04%	86.17%	34.64%
2016			
2017			