IPL Visualization Assignment

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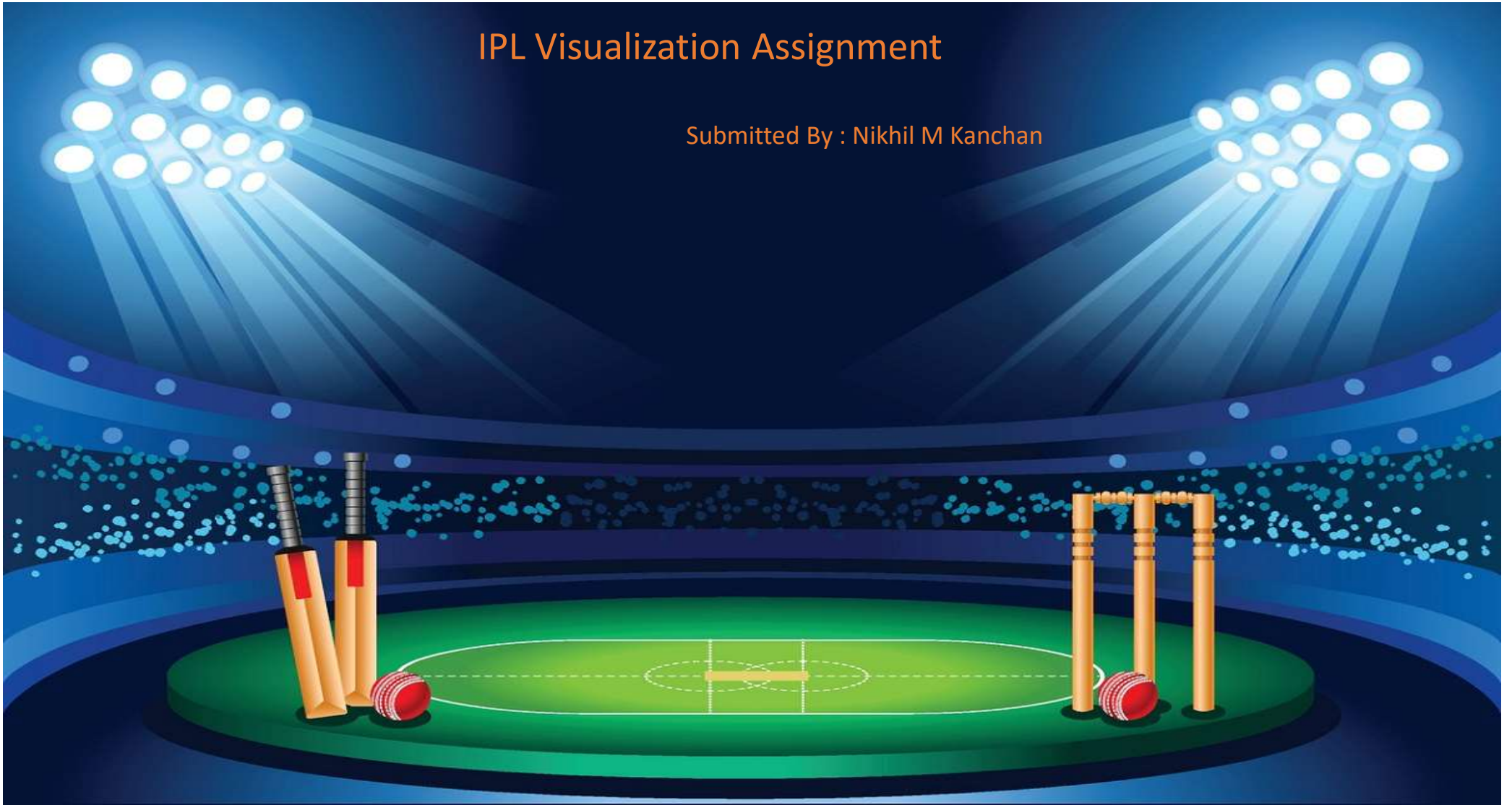
Toss Outcome Vs Match Outcome - Overall

Won the Toss but Lost the Match
48.9%

Won the Toss and the Match
51.1%
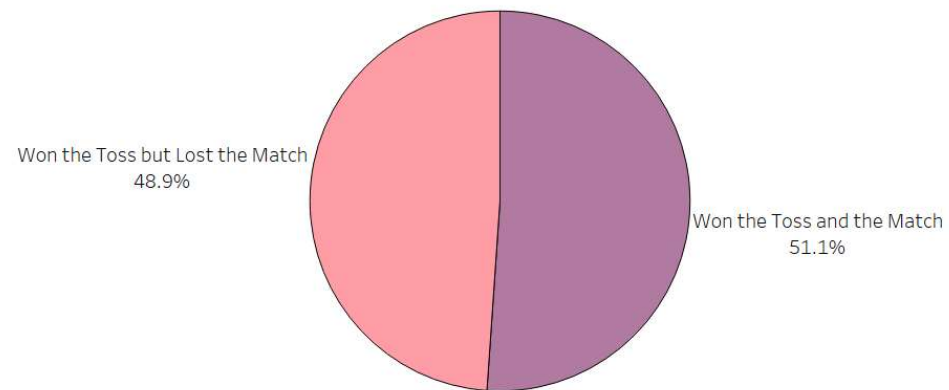
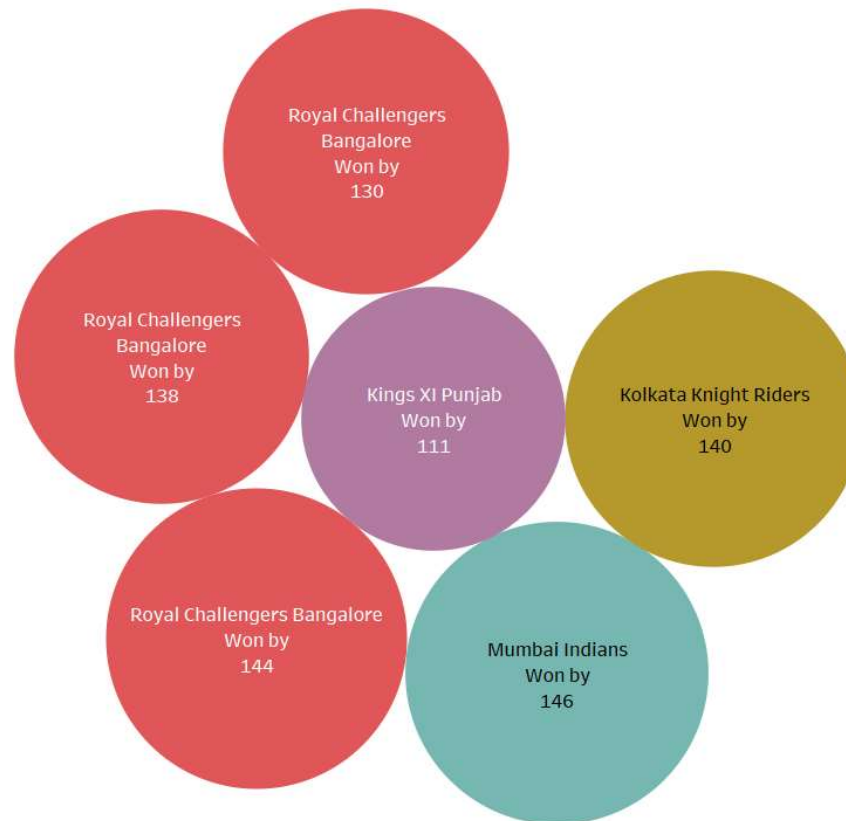As can be seen from the above pie chart that the overall impact of Winning the toss on winning the match is not much significant.

Toss Outcome Vs Match Outcome - Venue wise

Legend:
- Won the Toss and the Match
- Won the Toss but Lost the Match

X-axis venues: SuperSport Park, Sheikh Zayed Stadium, OUTsurance Oval, Newlands, Maharashtra Cricket ..., M Chinnaswamy Stadi..., Kingsmead, JSCA International St..., Holkar Cricket Stadium, Himachal Pradesh Cric..., Green Park, Eden Gardens, De Beers Diamond Oval, Buffalo Park, Brabourne Stadium, Barabati Stadium, Vidarbha Cricket Asso..., Sharjah Cricket Stadiu..., Rajiv Gandhi Internati..., Punjab Cricket Associ..., Dr. Y. S. Rajasekhara R..., New Wanderers Stadi..., Saurashtra Cricket As..., Nehru Stadium, St George's Park, Dubai International Cr..., Sawai Mansingh Stadi..., Punjab Cricket Associ..., Wankhede Stadium, Shaheed Veer Naraya..., Sardar Patel Stadium..., Feroz Shah Kotla, MA Chidambaram Sta..., Subrata Roy Sahara St..., Dr DY Patil Sports Aca...

- Though the overall impact of Winning the toss on winning the match is not much significant, there are few grounds where winning the toss matters a lot.
- Green Park, Kanpur and Outsurance, Bloemfontein are the venues where the toss winner has always won the match.
- Vidarbh Cricket Stadium, Nagpur on the other hand has been teams winning the toss loosing the matches.
- Details are designed to provide adequate information upon hover.

Biggest Win by Runs

Royal Challengers
Bangalore
Won by
130

Royal Challengers
Bangalore
Won by
138

Kings XI Punjab
Won by
111

Kolkata Knight Riders
Won by
140

Royal Challengers Bangalore
Won by
144

Mumbai Indians
Won by
146

- This sheet provides flexibility to user to select the count of biggest wins upto 15. Same filter is provided on the dashboard also.
- While the Biggest win was for Mumbai Indians over DD by 146 runs, RCB has the most wins among top 5.
- Details are defined to show both the playing teams, the information of winner along with the win margin. The information can be obtained upon hover on the item.

Biggest Win by Wickets

	CSK	DC	DD	GL	KKR	KTK	KXIP	MI	RCB	RR	SRH
CSK			9		9		10				
DC								10			
DD		9			9		10	9		9	
KKR			9	10			9	9		9	
KXIP			10						9		
MI	9								9	10	9
RCB		9	10		9	9		9		10	
RPS							9	9			
RR			9				9	10			
SRH				10							

- This sheet provides flexibility to user to select the count of wickets upto 10. Same filter is provided on the dashboard also.
- 10 times a match has been won by the biggest margin – 10 wickets.
- Details are defined to show both the playing teams, the information of winner along with the win by wickets. The information can be obtained upon hover on the item.

Most Scoring Matches

CSK Vs RR	DC Vs RR	KXIP Vs MI
2010	2008	2017
Total runs : 469	Total runs : 431	Total runs : 453

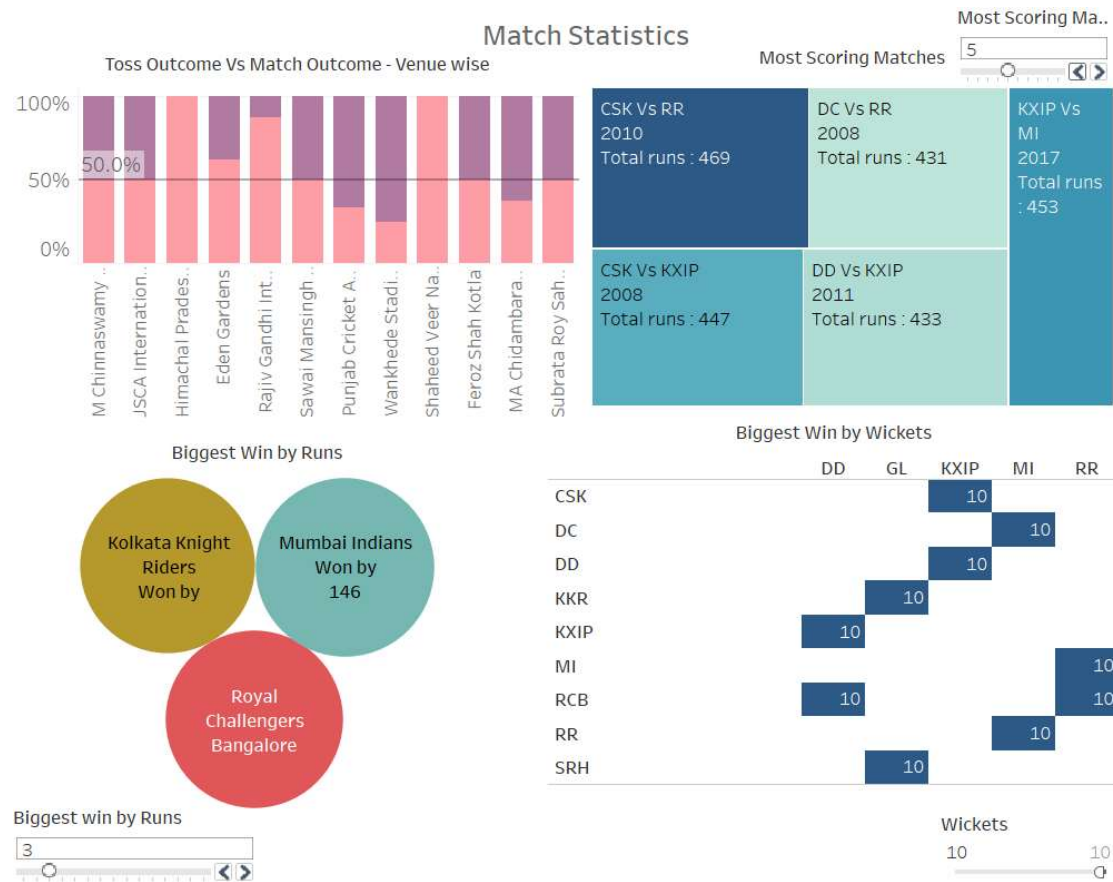| CSK Vs KXIP | DD Vs KXIP |
| 2008 | 2011 |
| Total runs : 447 | Total runs : 433 |

- This sheet provides flexibility to user to select most scoring matches upto 10
- Details are defined to show the relevant information upon hover.
- The highest scoring match was played between CSK and RR in 2010. CSK won the match. 469 runs were made in total in this match.

Most Scoring Matches - Inning Wise Breakup

Match Id	Season	Team1	Team2	Winner	Sum of Match To..	Total Runs	
206	2010	CSK	RR	Chennai Super Kings	469	246	1
						223	2
50	2017	KXIP	MI	Kings XI Punjab	453	230	1
						223	2
61	2008	CSK	KXIP	Chennai Super Kings	447	240	1
						207	2
259	2011	DD	KXIP	Delhi Daredevils	433	231	1
						202	2
562	2015	RCB	MI	Royal Challengers Bangalore	431	235	1
						196	2
68	2008	DC	RR	Rajasthan Royals	431	217	2
						214	1
516	2014	KXIP	CSK	Kings XI Punjab	428	226	1
						202	2
41	2017	GL	DD	Delhi Daredevils	422	214	2
						208	1
176	2010	MI	RR	Mumbai Indians	420	212	1
						208	2
486	2014	KXIP	CSK	Kings XI Punjab	418	231	1
						187	2

- The table able provides additional information on top of the chart for most scoring matches.
- It provides runs scored in the individual innings
- The highest scoring match was played between CSK and RR in 2010. CSK won the match by scoring 246 runs. In response RR could make only 223 runs. 469 runs were made in total in this match.

Dashboard – Match Statistics

Match Statistics

Toss Outcome Vs Match Outcome - Venue wise

Most Scoring Ma..

5

Most Scoring Matches

| CSK Vs RR 2010 Total runs : 469 | DC Vs RR 2008 Total runs : 431 | KXIP Vs MI 2017 Total runs : 453 |
| CSK Vs KXIP 2008 Total runs : 447 | DD Vs KXIP 2011 Total runs : 433 | |

Biggest Win by Runs

Kolkata Knight Riders Won by

Mumbai Indians Won by 146

Royal Challengers Bangalore

Biggest win by Runs

3

Biggest Win by Wickets

	DD	GL	KXIP	MI	RR
CSK			10		
DC				10	
DD			10		
KKR		10			
KXIP	10				
MI					10
RCB	10				10
RR				10	
SRH		10			

Wickets

10   10

Top Batsman per Season

| 2016 V Kohli Runs : 973 | 2014 RV Uthappa Runs : 660 | 2008 SE Marsh Runs : 616 | 2011 CH Gayle Runs : 608 |

2012 CH Gayle Runs : 733

2017 DA Warner Runs : 641

2009 ML Hayden Runs : 572

2013 MEK Hussey Runs : 733

2010 SR Tendulkar Runs : 618

2015 DA Warner Runs : 562

- The graph above shows the list of Orange Cap Batsman along with the season they got it and also their score.
- In the workbook filter is provided to see individual performance of all the players. The dashboard also provides with a filter of Season.
- Upon hover, you can also find ranks of these players for the season. Here, the rank is decided on the basis of runs scored by the batsman.
- Among all the seasons and players, Kohli performed best in 2016 scoring 973 runs.

Top Bowlers per Season

- The bubble chart above shows the list of Purple Cap Bowlers along with the season they got it and also their score.
- In the workbook filter is provided to see individual performance of all the players. The dashboard also provides with a filter of Season.
- Upon hover, you can also find ranks of these bowlers for the season. Here, the rank is decided on the basis of wickets taken.
- Bravo and Kumar won the purple cap twice while overall most wickets goes to Morkel and Malinga.

Most 6's by a Batsman per Season
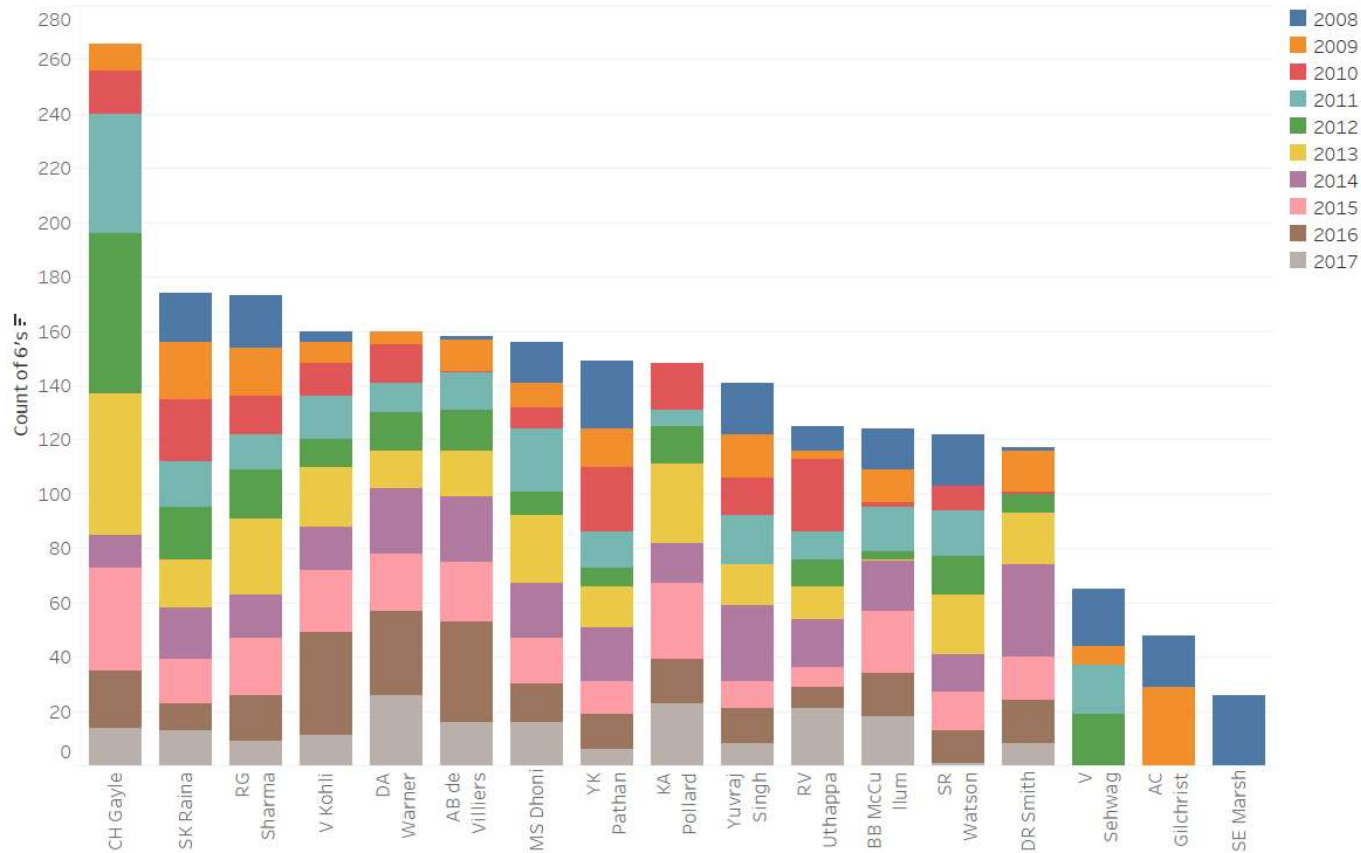
- The bar chart above shows the list of top 15 batsman with most sixes overall.
- You are provided with a filter of season to find data for a individual year.
- The detail provides the total number of 6's in all season and number of sixes in given year upon hover.
- Undoubtedly, Chris Gayle is way ahead of any other batsman. He dominated the game in 2011, 2012, 2013, 2015.

Most 4's by a Batsman per Season
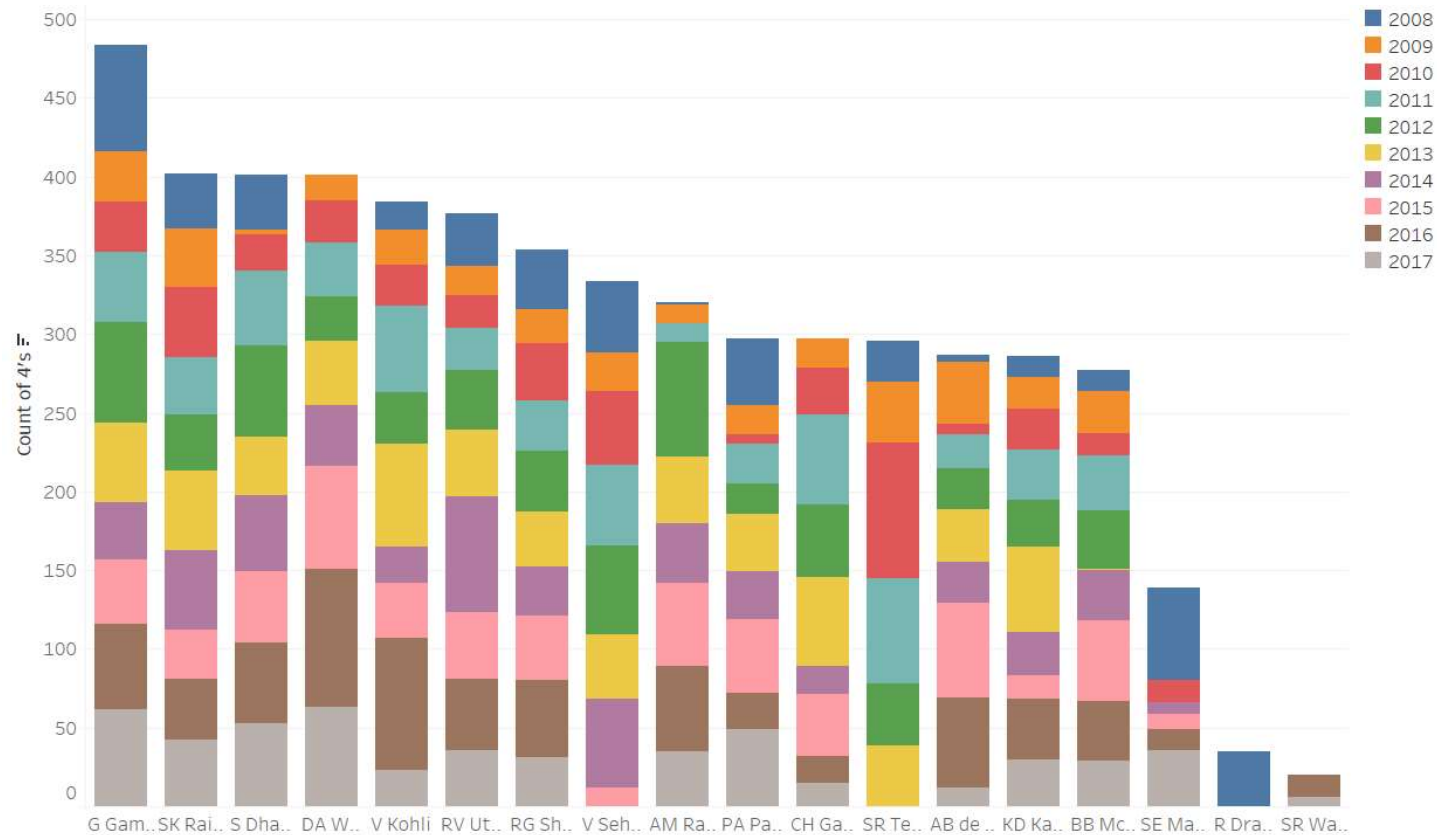
- The bar chart above shows the list of top 15 batsman with most fours overall.
- You are provided with a filter of season to find data for a individual year.
- The detail provides the total number of 4's in all season and number of fours in given year upon hover.
- Gambhir holds the record for most 4's. He scored most 4's in 2008 but was among top hitters in other seasons too.

Dashboard – Player Statistics

Player Statistics

Season
2011 ▼

Top Batsman for Season 2011

2011
CH Gayle
Runs : 608

Most 6's by a Batsman in Season 2011

Count of 6's

CH Gayle | MS Dhoni | SE Marsh | PC Valthaty | M Vijay | Yuvraj Singh | V Sehwag | AC Gilchrist | SR Watson | SK Raina | V Kohli | BB McCullum | RA Jadeja | MK Tiwary

Most 4's by a Batsman in Season 2011

Count of 4's

SR Tendulkar | CH Gayle | PC Valthaty | V Kohli | MEK Hussey | SE Marsh | V Sehwag | S Dhawan | JH Kallis | R Dravid | KC Sangakkara | G Gambhir | AT Rayudu | AC Gilchrist | S Badrinath

Top Bowlers for Season 2011

SL Malinga
2011
Wickets: 30

- This interactive dashboard provides flexibility to select player statistics across seasons using the dropdown provided at the top.

Win Vs Loss – All Seasons
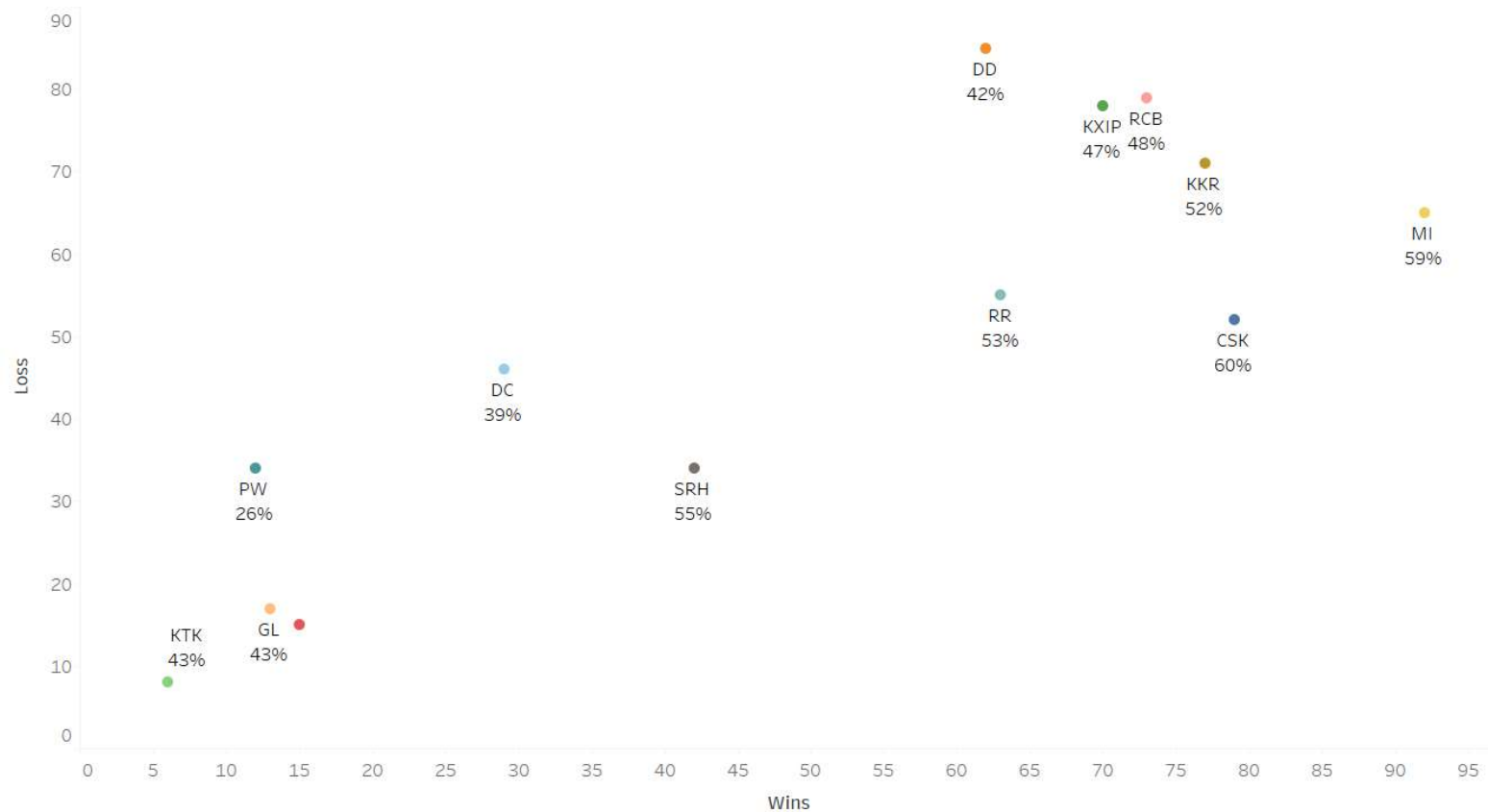
- This scatter plot compares the win Vs loss ratio of individual teams across the season.
- While MI has the maximum wins, it has won only 59% of matches it played. CSK has won 60% of the matches it played.
- DD has lost maximum number of matches. However PW (Pune Warriors) won the least percent of matches.
- Detailed information of wins and losses can be obtained upon hover of a given team.
- You can also pick the season from dropdown to see team's performance in given year.

Home Vs Away Wins – All Seasons
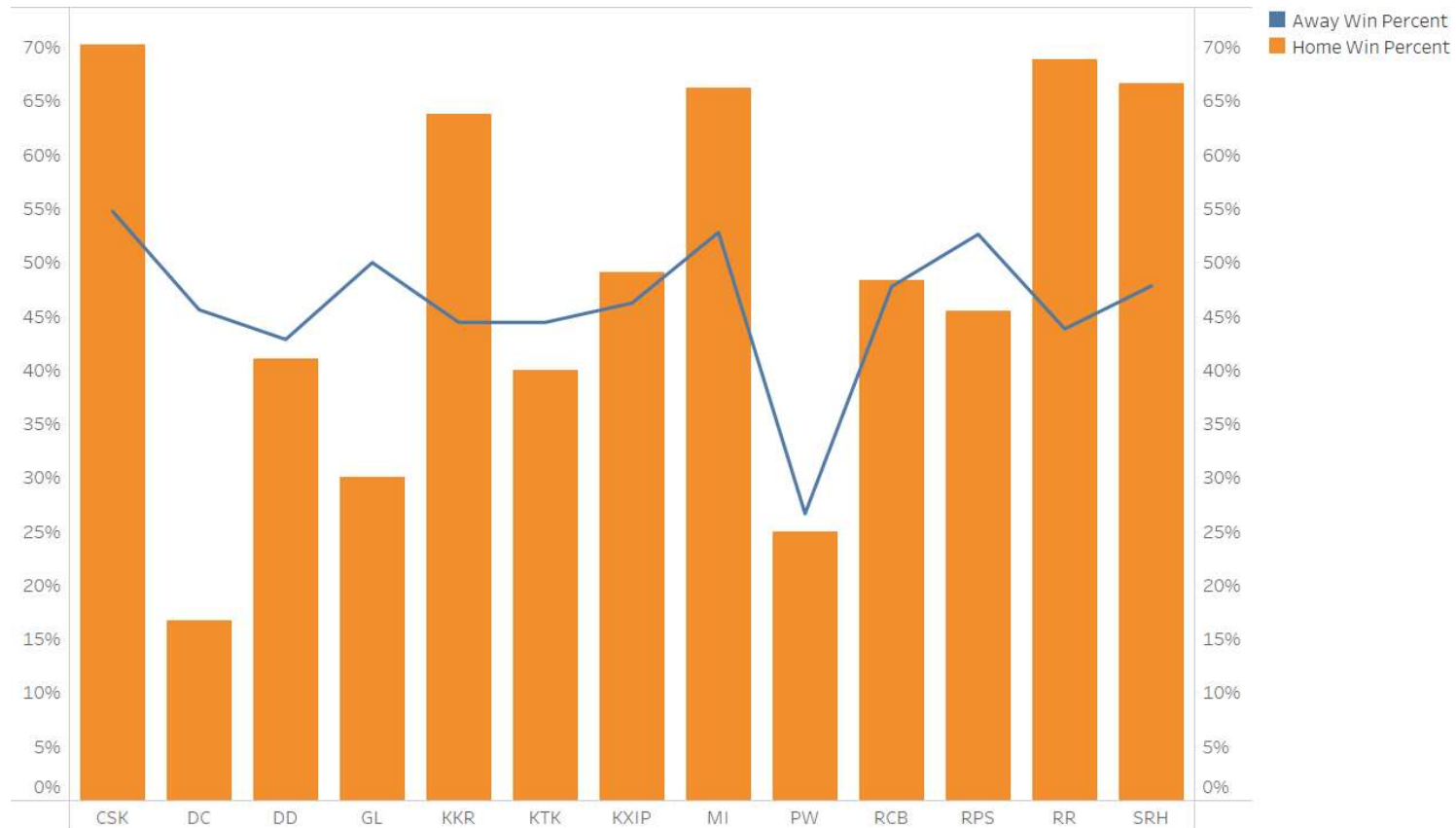
- This is a dual axis chart showing the percent of matches a team won playing at home Vs percent of matches won away.
- CSK has won maximum number of matches at home and away while DC performed bad at home. However they performed better playing away.
- Season 2009 was played outside India and hence no Orange bars for the year.
- CSK didn't play any match in home ground in 2014.

Dashboard – Team Statistics
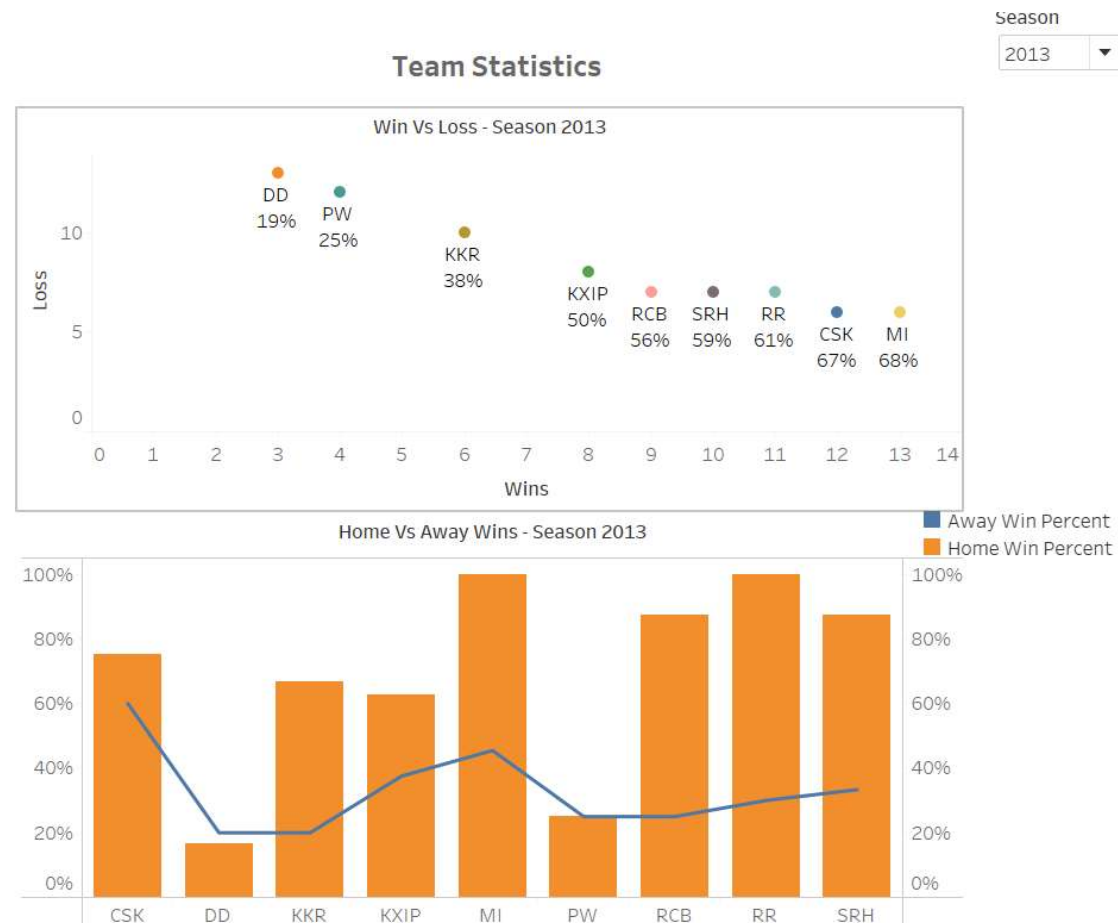
- This interactive dashboard provides performance of a team every season.
- The dropdown provides you ability to select individual years or all the years.

Thank You