



IPL VISUALIZATION ASSIGNMENT

IPL: Indian Premier League

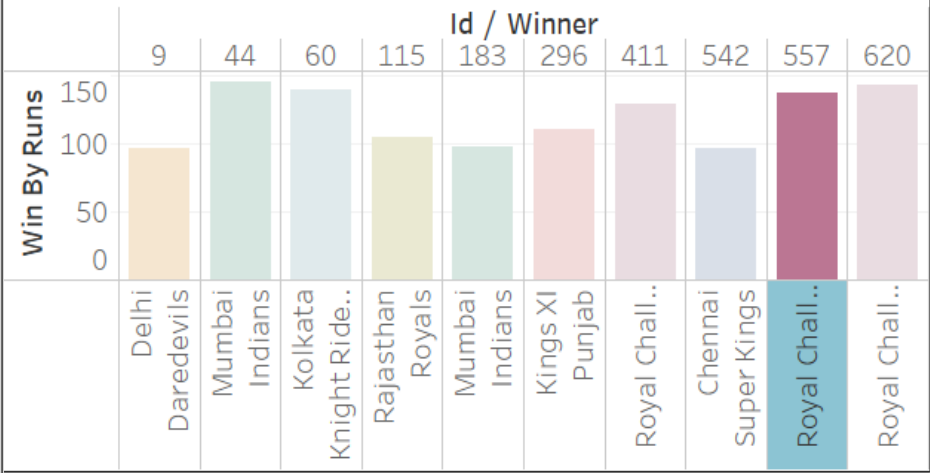
- The Indian Premier League (IPL) is a professional Twenty20 cricket league, contested by eight teams based out of eight different Indian cities.
- The league was founded by the Board of Control for Cricket in India (BCCI) in 2007.
- It is usually held between March and May of every year and has an exclusive window in the ICC Future Tours Programme.
- The IPL is the most-attended cricket league in the world.

Data Understanding

- We are given two text files containing important data on IPL statistics namely:
- **deliveries.csv:** file contains ball-by-ball information for all the matches across all the seasons of IPL. Each row in this data set contains:
 - Match related information (batting team vs bowling team)
 - Player information (Bowler, Batsman, Non-striker)
 - Delivery information (Runs scored, Wickets, Extras, etc.)
- **matches.csv:** file contains the following data:
 - Teams involved
 - Results (which team won, win type, player of the match, etc.)
 - Match specifics (umpires, ground, etc.)
- By creating a Join in tableau through ID and match_id we then proceed to perform the visualisations

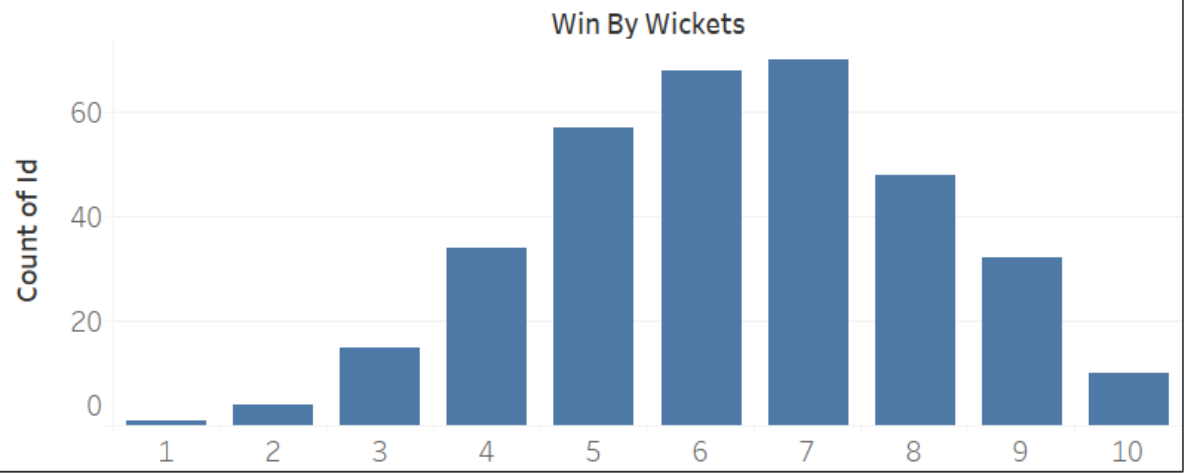
Match Statistics

Biggest Win By Runs - TOP 10

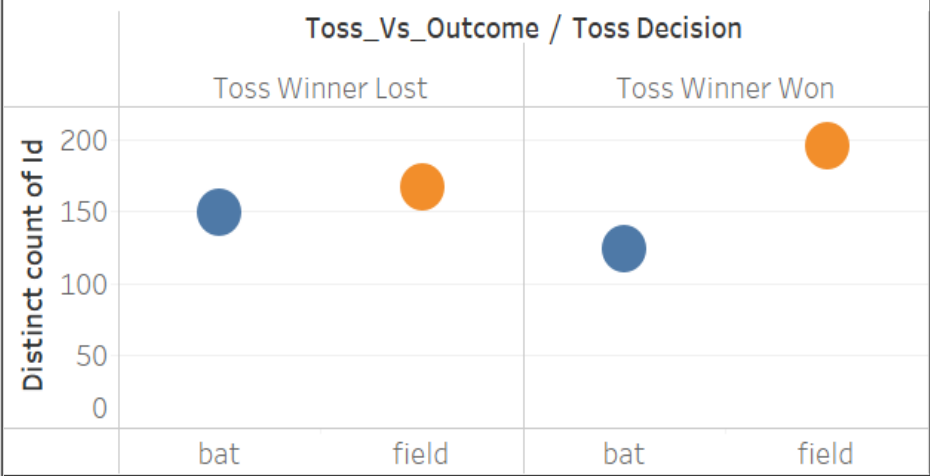


- Winner
- Chennai Super..
 - Delhi Daredevi..
 - Kings XI Punjab
 - Kolkata Knight..
 - Mumbai Indians
 - Rajasthan Roy..
 - Royal Challeng..

Win By Wickets Distribution

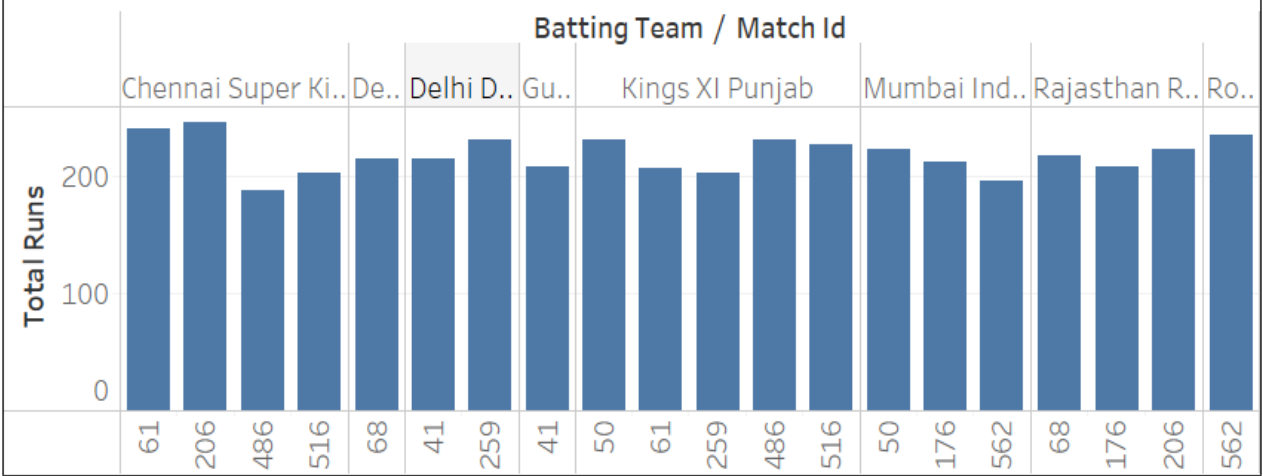


Toss Vs Outcome Stats



- Toss Decision
- bat
 - field

Highest Totals- TOP 10



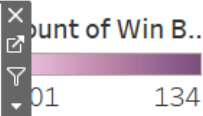
Match Statistics- Insights

- **Biggest Wins by Runs-** Mumbai India has the biggest win by runs followed closely by Royal Challengers Bangalore, I have filtered out the top 10 teams for ease of the viewer.
- **Win by Wickets:** The Win by Wickets distribution is also displayed in a bar chart format.
- **Highest Totals:** As can be viewed from the slide we can observe that Chennai Super Kings forms the top bracket with the highest total of 246 runs in 2010.
- **Toss Vs Outcome:** Using a calculated field on toss winner and outcome we can arrive at an understanding of what toss decisions the teams make at different Venues.

Player Statistics

Purple Cap Contenders

Harbhajan Singh	P Kumar	R Ashwin	DJ Bravo
PP Chawla	RA Jadeja		
A Mishra	SL Malinga	R Vinay Kumar	IK Pathan



Orange Cap Contenders

SK Raina	G Gambhir	CH Gayle	S Dhawan
V Kohli	DA Warner		
RG Sharma	RV Uthappa	MS Dhoni	AB de Villiers

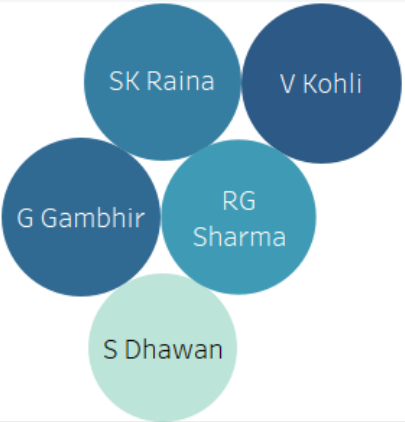
Year of Date

- ☒ (All)
- ☒ 2008
- ☒ 2009
- ☒ 2010
- ☒ 2011
- ☒ 2012
- ☒ 2013
- ☒ 2014
- ☒ 2015

Batsman Runs



Highest No. of 4s



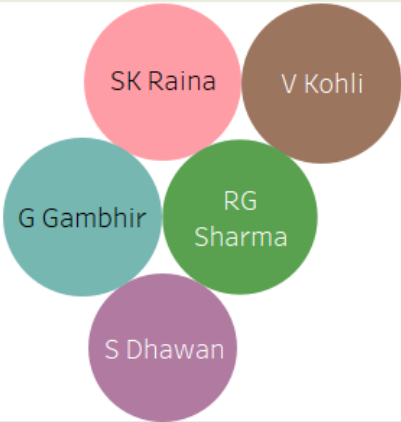
Count of Fours



Year of Date

- ☒ (All)
- ☒ 2008
- ☒ 2009
- ☒ 2010
- ☒ 2011
- ☒ 2012
- ☒ 2013
- ☒ 2014

Highest No. of 6s



Batsman

- G Gambhir
- RG Sharma
- S Dhawan
- SK Raina
- V Kohli

Year of Date

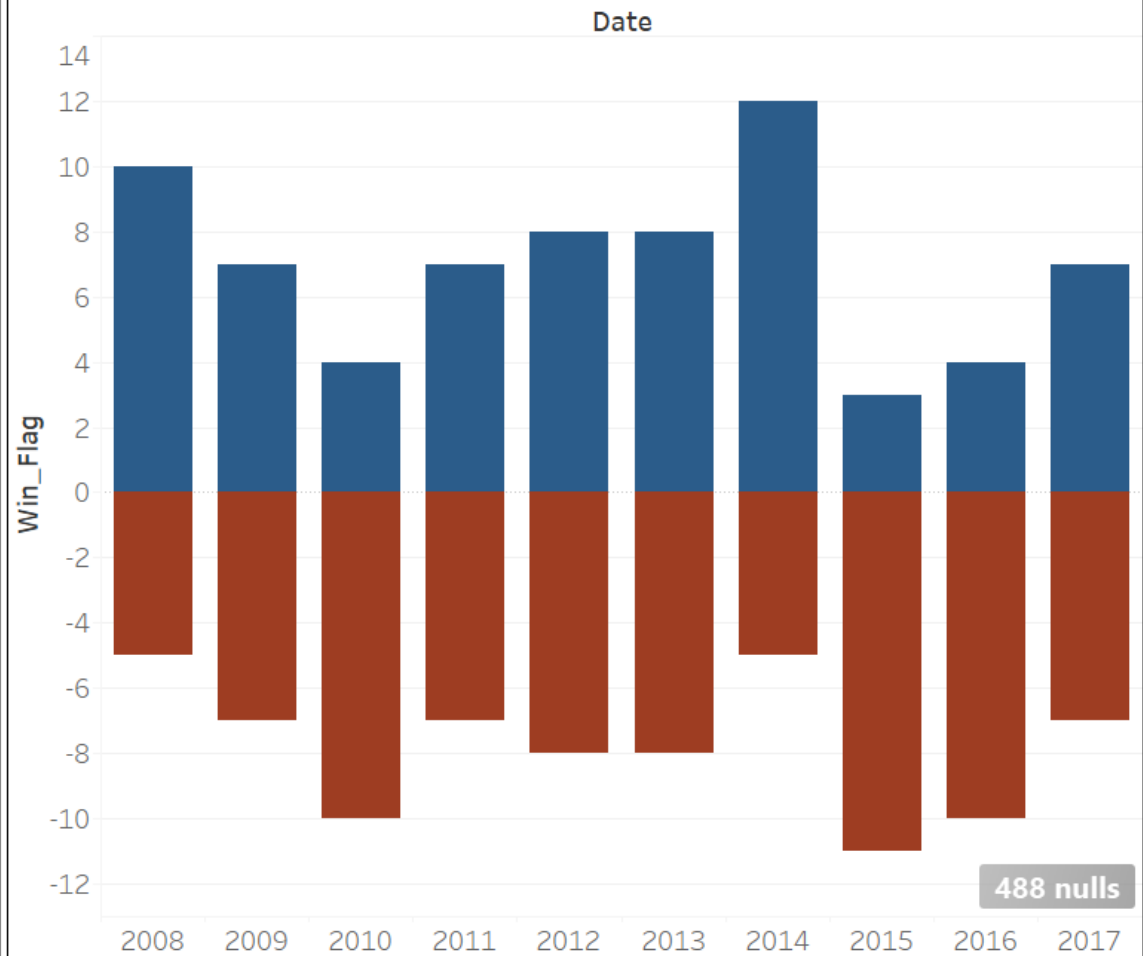
- ☒ (All)
- ☒ 2008
- ☒ 2009
- ☒ 2010
- ☒ 2011

Player Statistics

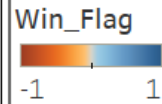
- **Purple Cap Contenders:** Selected Top 10 contenders among Bowler who have taken most wickets season wise. Harbhajan Singh is a Top contender overall.
- **Orange Cap Contenders:** Selected Top 10 contenders among batsmen who have made most runs season wise. SK Raina is a top contender.
- **Highest No. of 4s:** Using a bubble chart and selecting the top 5 players who have hit the highest no. of 4s
- **Highest No. of 6s:** Using a bubble chart and selecting the top 5 players who have hit the highest no. of 6s

Team Statistics

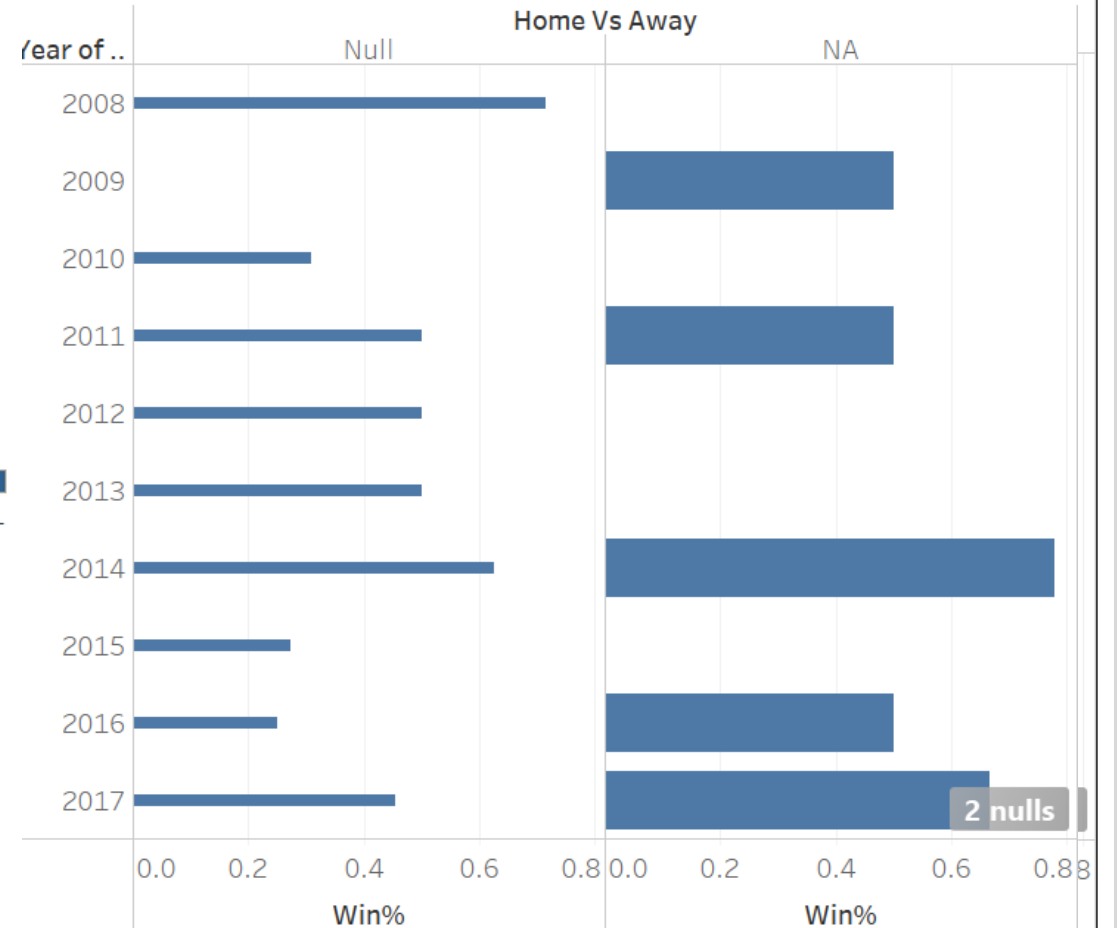
Season Wise Team Performance



- Year of Da..
- ☒ (All)
 - ☒ 2008
 - ☒ 2009
 - ☒ 2010
 - ☒ 2011
 - ☒ 2012
 - ☒ 2013
 - ☒ 2014
 - ☒ 2015
 - ☒ 2016
 - ☒ 2017



Win% Home Vs Away



Team Statistics

- **Season wise team performance:** We can see hoe the teams have performed well in 2014 in comparison to the other years
- **Win%:** We can what percentage of teams have performed better at home or away

Conclusion

- A simple dashboard as constructed in Tableau can help us gain important insight into how the teams perform and the individual performers as well.