

# Data Visualization: IPL Statistics

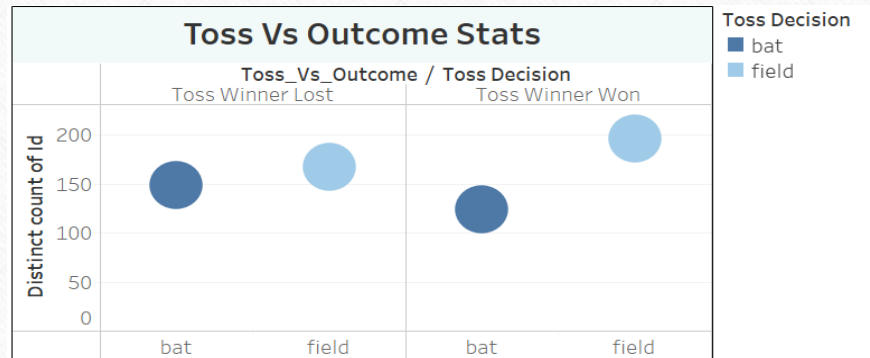
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# Understanding and Cleaning of the data

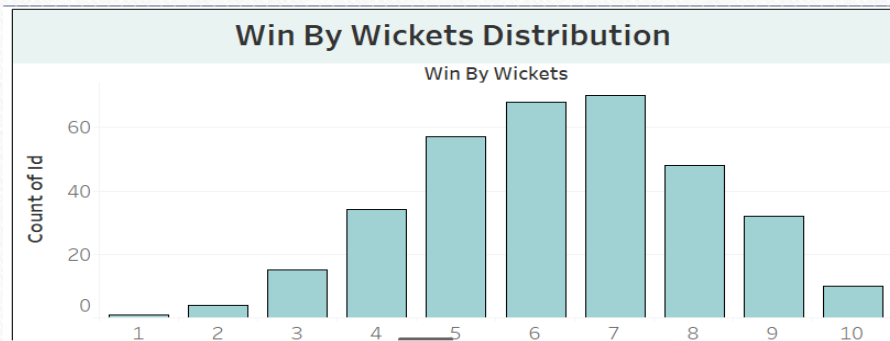
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- We are given two text files containing important data on IPL statistics namely:
- **deliveries.csv**: file contains ball-by-ball information for all the matches across all the seasons of IPL. Each row in this data set contains:
  - Match related 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

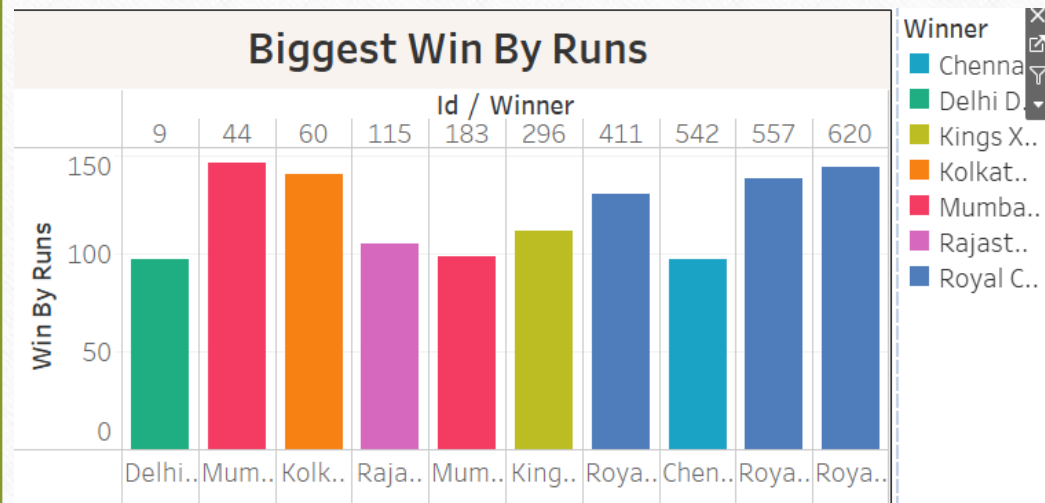
# Match Statistics



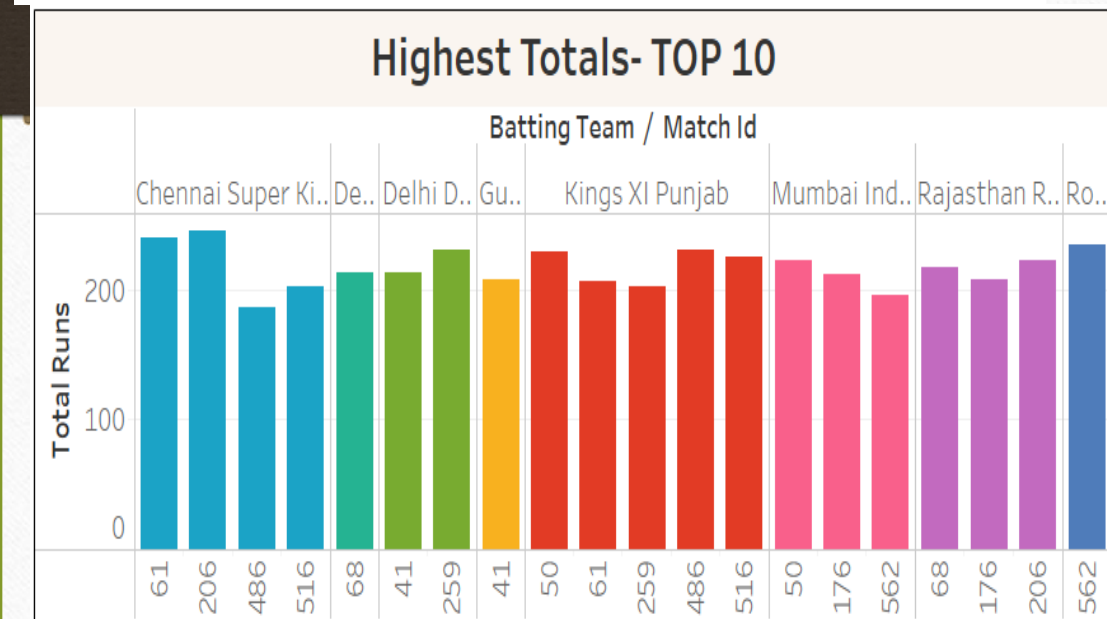
**Toss Vs Outcome:** Using Venue filter we can observe the toss win vs toss decision for each.



**Win by Wickets:** The Win by Wickets distribution is also displayed in a bar chart format.



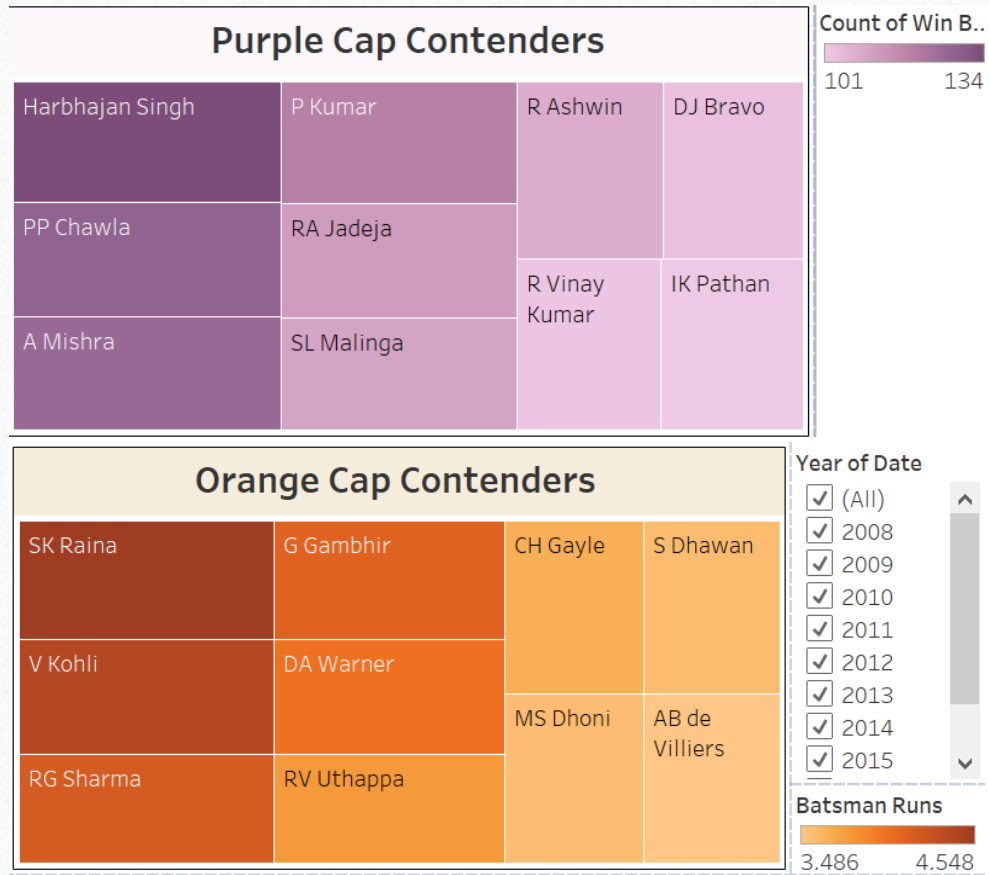
**Biggest Wins by Runs**-Filtered the top 10 teams and Mumbai Indian is leading the bar charts



- **Highest Totals:** We take the highest totals with total runs and batting team and match ID. 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.

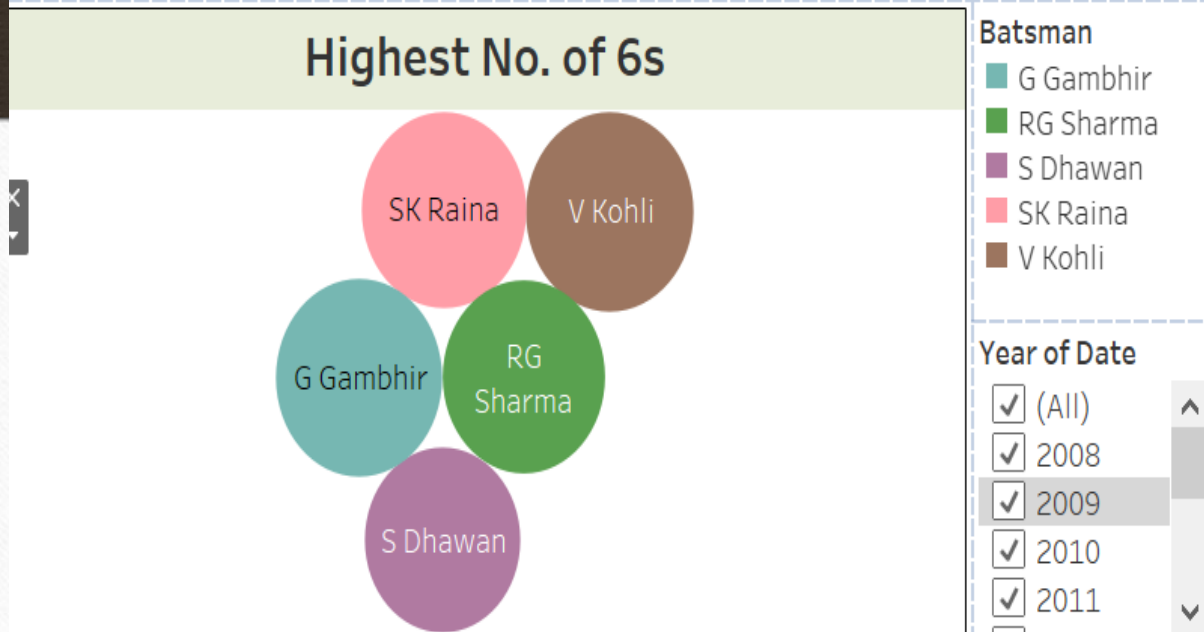
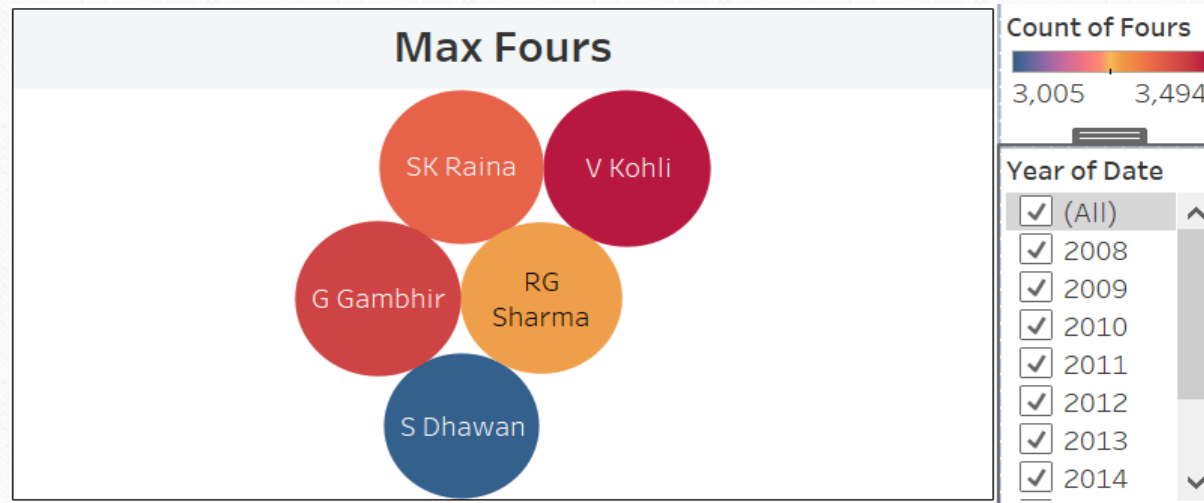


# Player Statistics



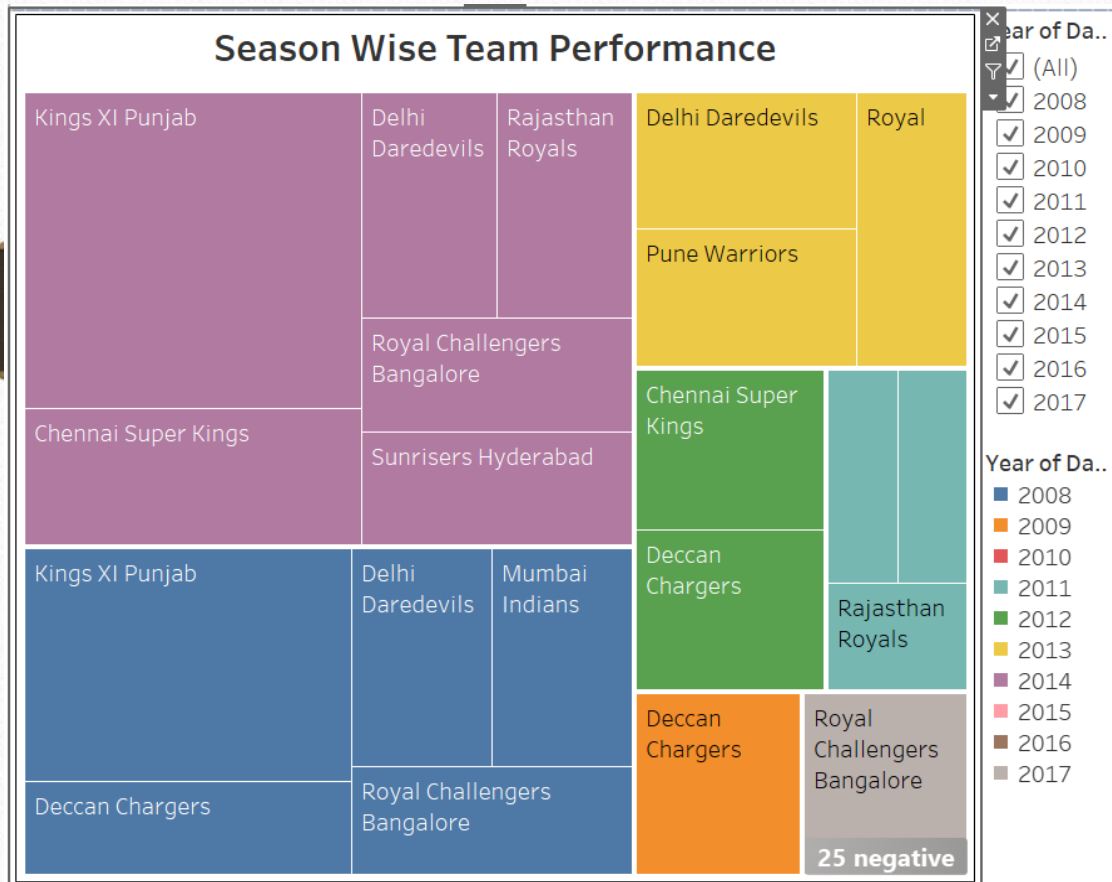
**Purple Cap Contenders:** Selected Top 10 contenders among Bowler who have taken most wickets season wise. Harbhajan Singh is a Top contender overall.

**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

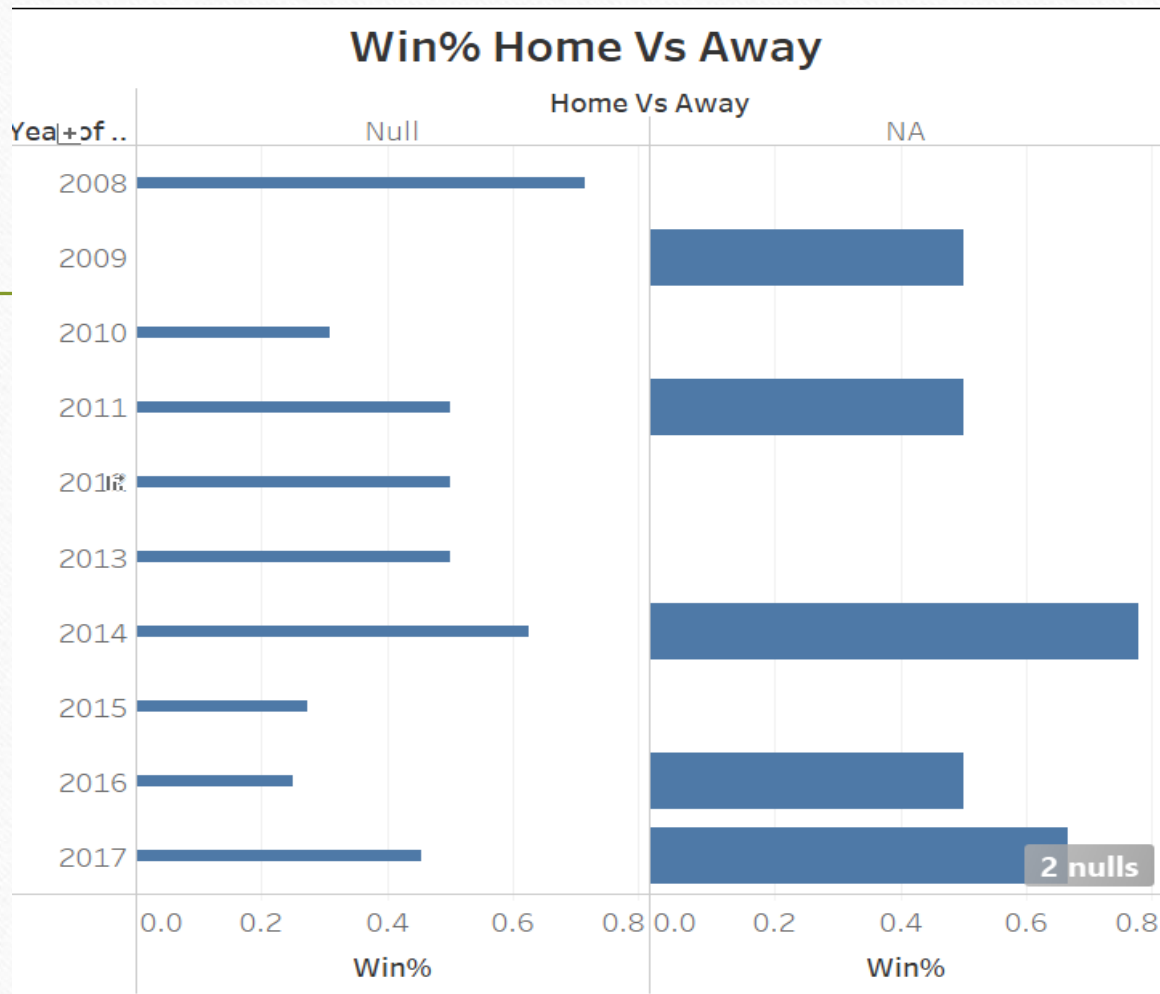
# Team Statistics



## Season wise team performance:

Using the year filter we can see all the performance season wise for each team





- **Win%:** By making calculated fields for certain parameters/fields we can calculate what percentage of teams have performed better at home or away