CA Cricket Addictor

The Indian Premier League Assignment

IPL

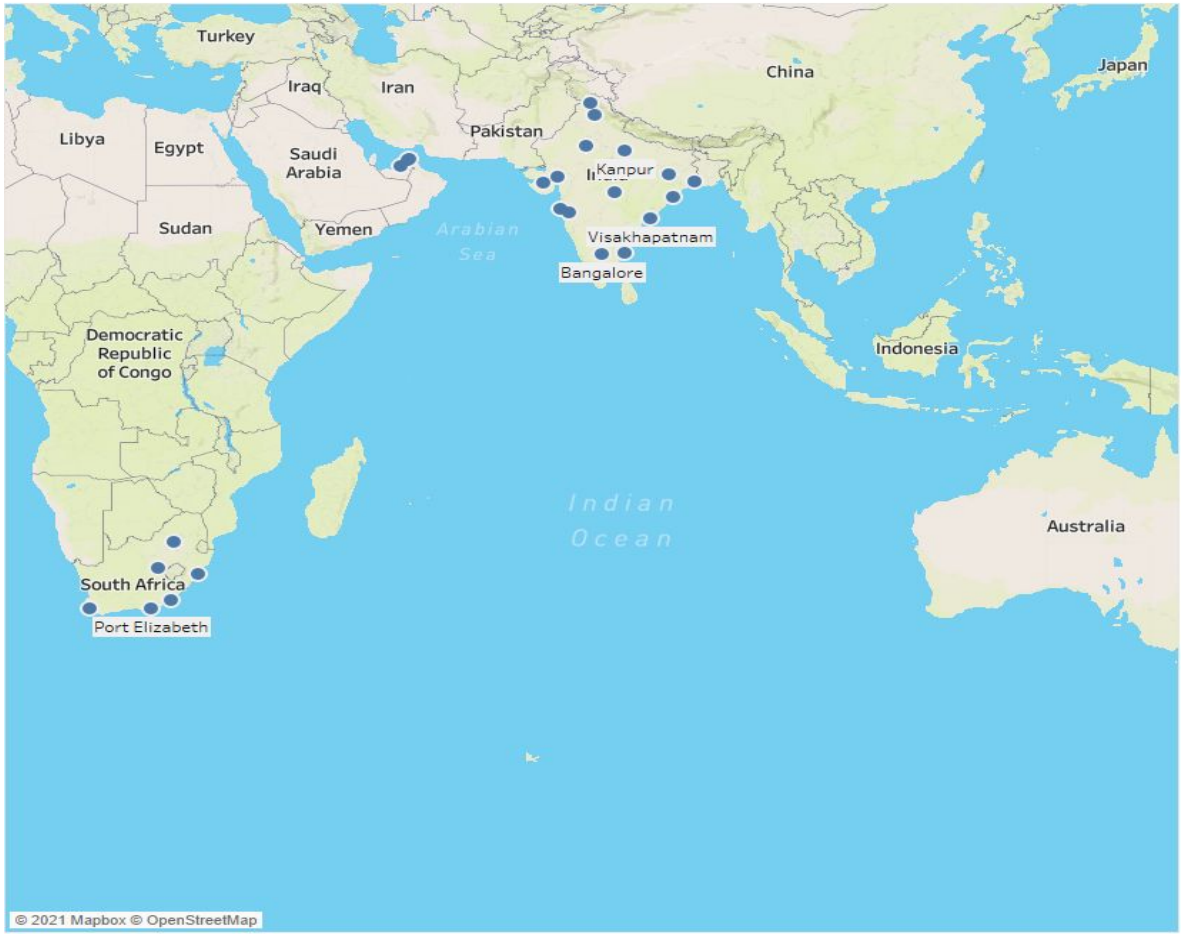
By- Shardool Pal

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.

work as a data analyst at IFP, a nationally recognised 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.

IPL Host Cities



Map based on Longitude (generated) and Latitude (generated). The marks are labeled by City. Details are shown for City. The data is filtered on Date Year, which keeps 10 of 10 members.

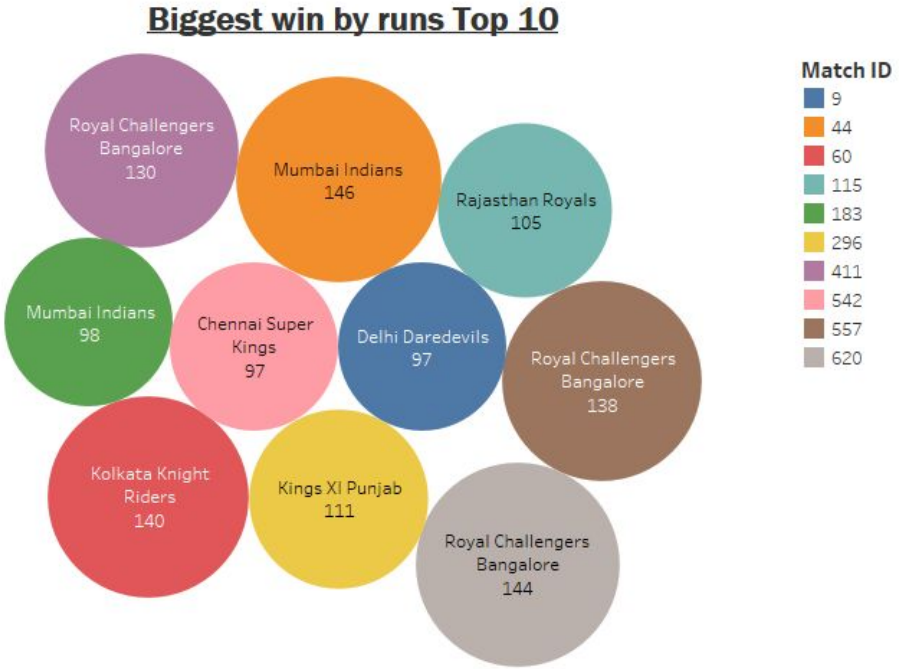
The Indian Premier League

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.

INDIAN PREMIER LEAGUE

Match Statistics

Top 10 Teams with biggest runs



Winner and sum of Win By Runs. Color shows details about Id. Size shows sum of Win By Runs. The marks are labeled by Winner and sum of Win By Runs. The view is filtered on Id, which has multiple members selected.

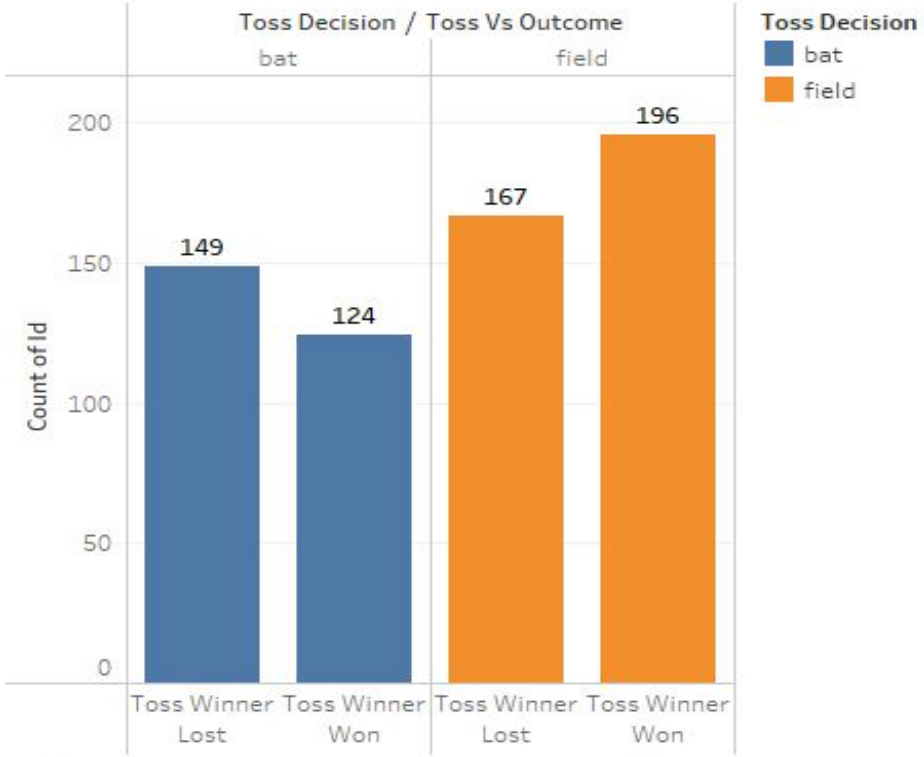
With the help of this Bubble chart we can see that the Top 10 biggest wins by runs team.

Mumbai Indian is the one who biggest wins by the runs.

Toss Vs Match

Here is the Bar Graph ,where we can see the probability of win count with respect to toss winner. Here the blue colored graphs shows that the team toss winner lost and win while he choose to bat whereas orange colored bar shows the toss winner win count while he choose to field.

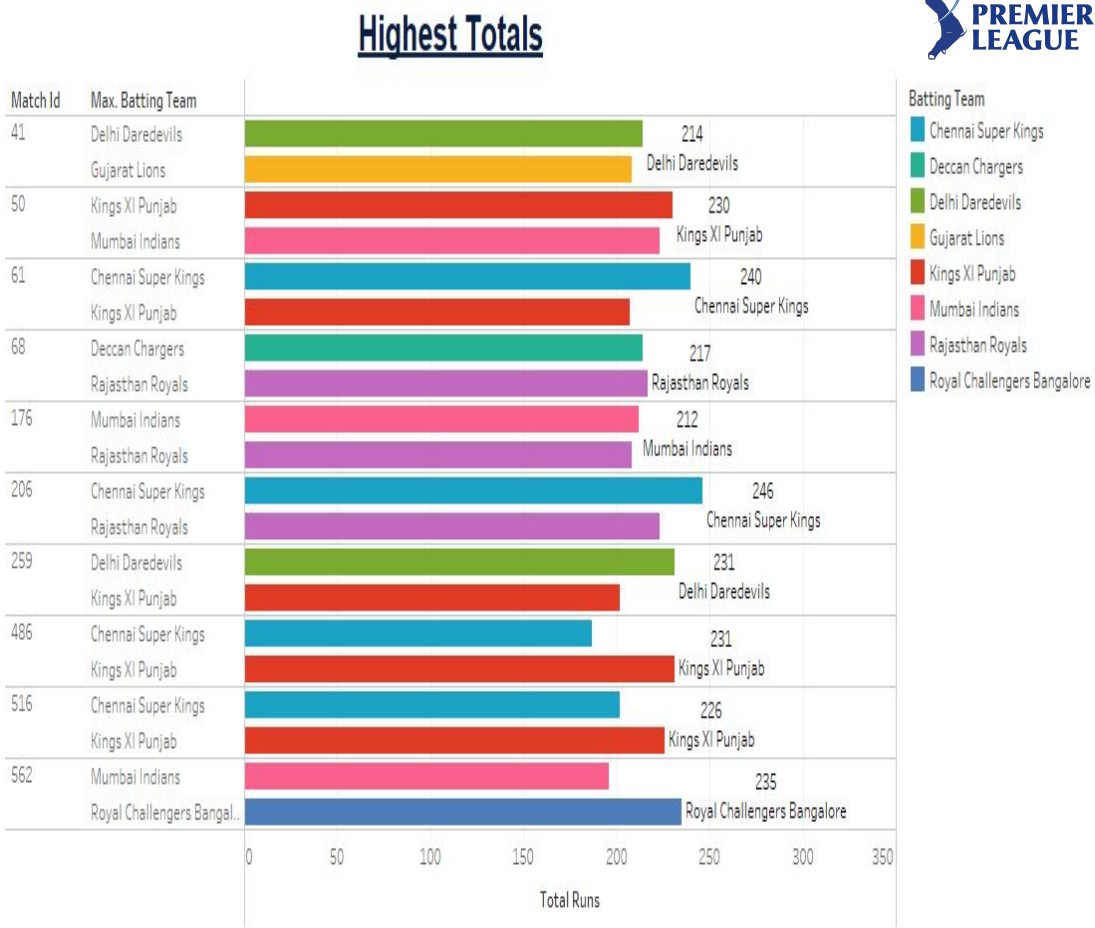
Toss outcome vs Match outcome (for each Ground/Venue)



Count of Id for each Toss Vs Outcome broken down by Toss Decision. Color shows details about Toss Decision. The data is filtered on Venue, which keeps 35 of 35 members.

Team With Highest Totals

With the help of this chart we can check the highest scoring team and the chase team side scores as well. And we can also see who won that match with their score.
With the help of filter we can filter out the highest scores per season.

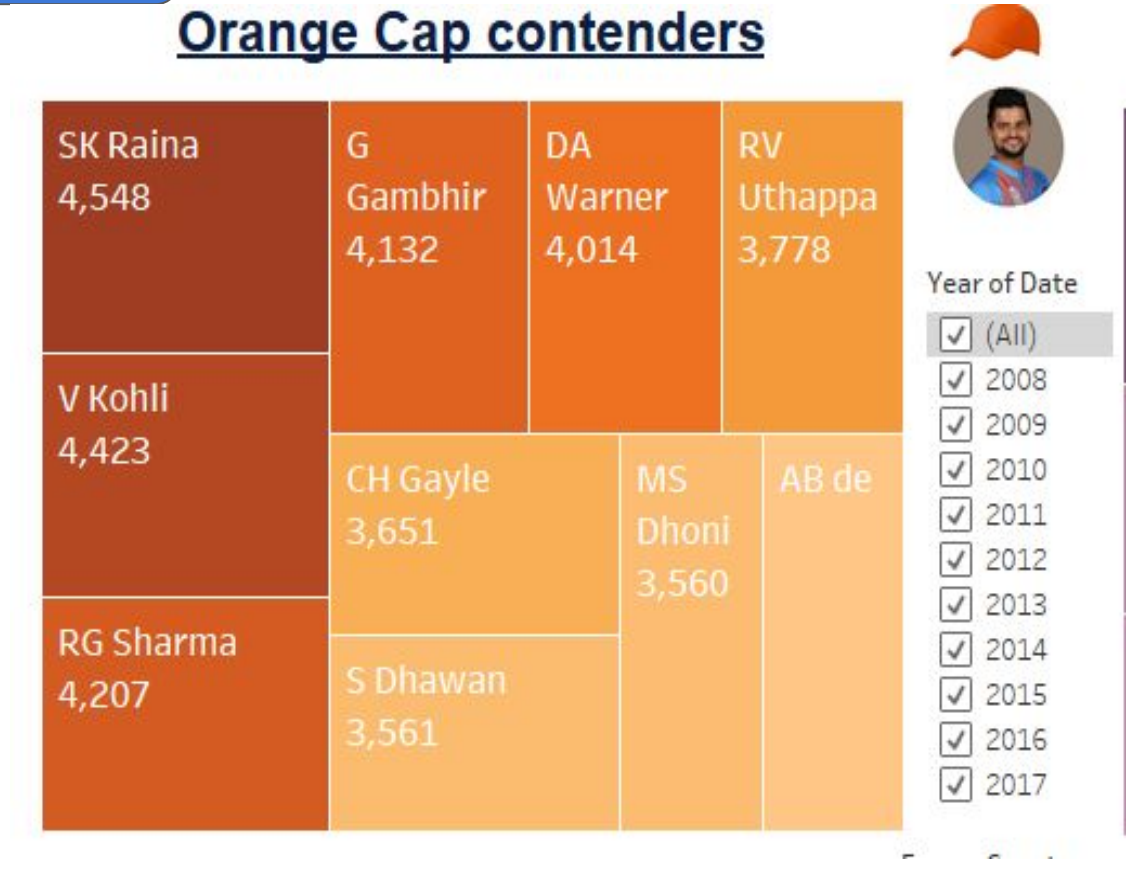


Sum of Total Runs for each maximum of Batting Team broken down by Match Id. Color shows details about Batting Team. The marks are labeled by sum of Total Runs and Batting Team. The data is filtered on Date Year, which keeps multiple members. The view is filtered on Match Id, which has multiple members selected.

Player Statistics

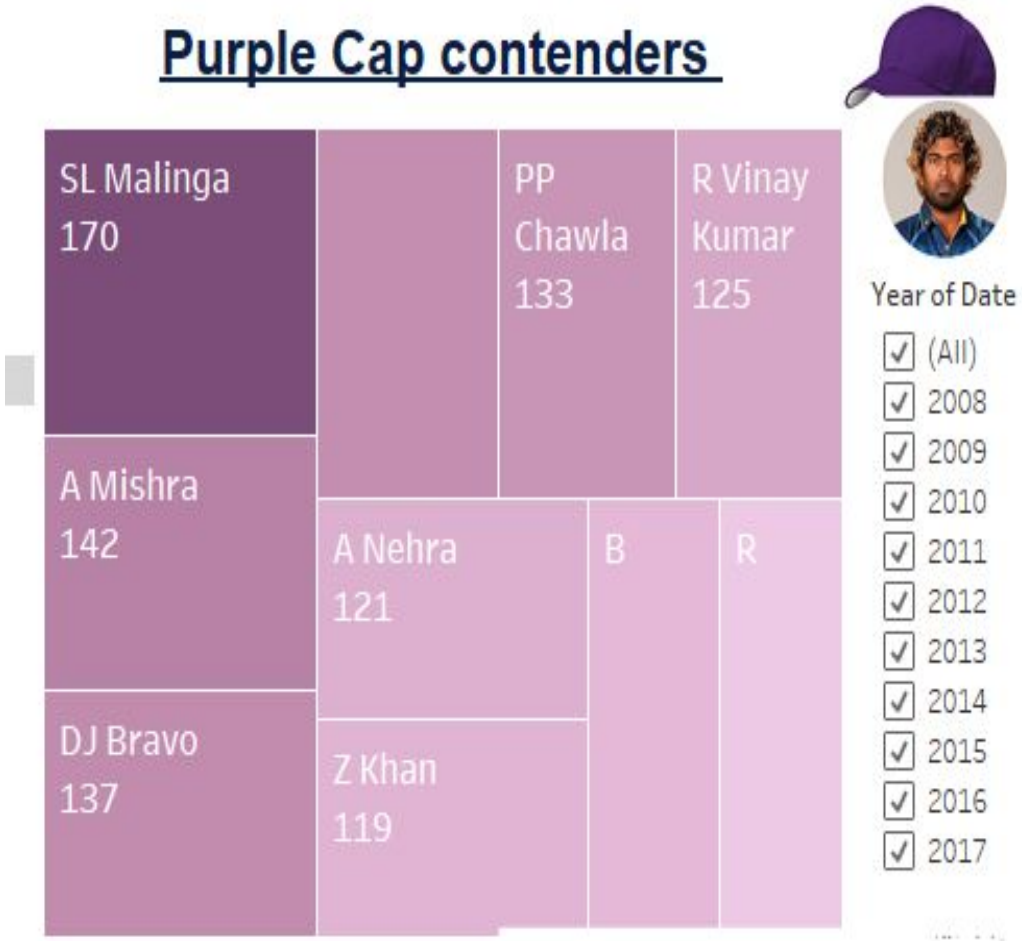
Orange Cap Contender

With the help of this heat map chart we can easily find out the orange cap holder, basically Orange cap is given to a player who scored maximum runs in that specific season of the IPL.
We can filter out season wise the orange cap holder batsmen.
Here we can see that suresh Raina scored overall maximum runs through out all season of IPL.

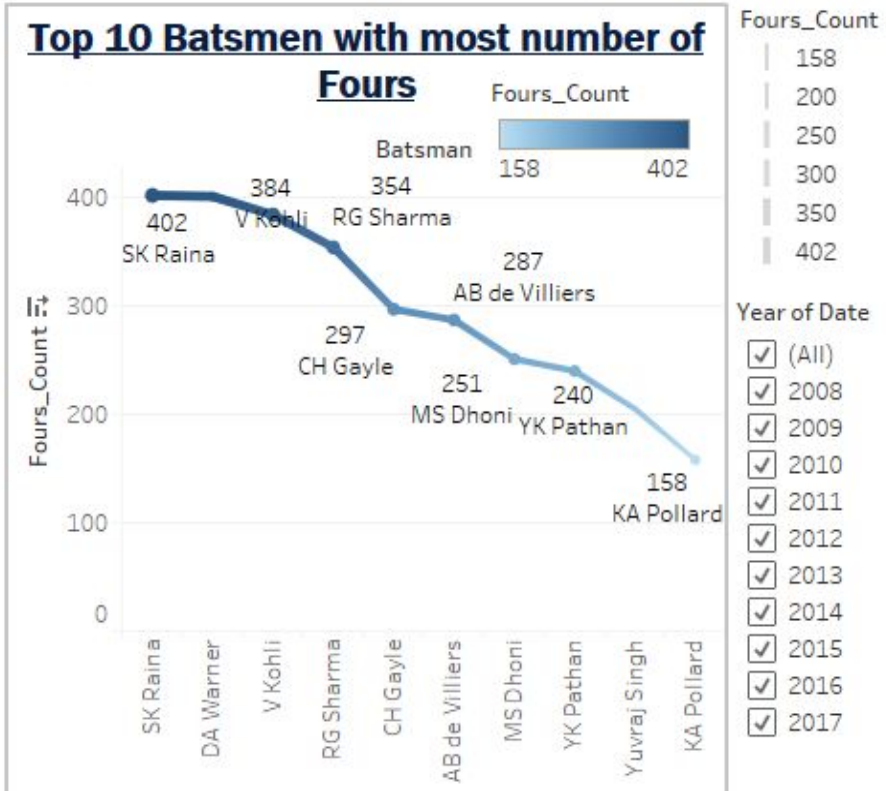


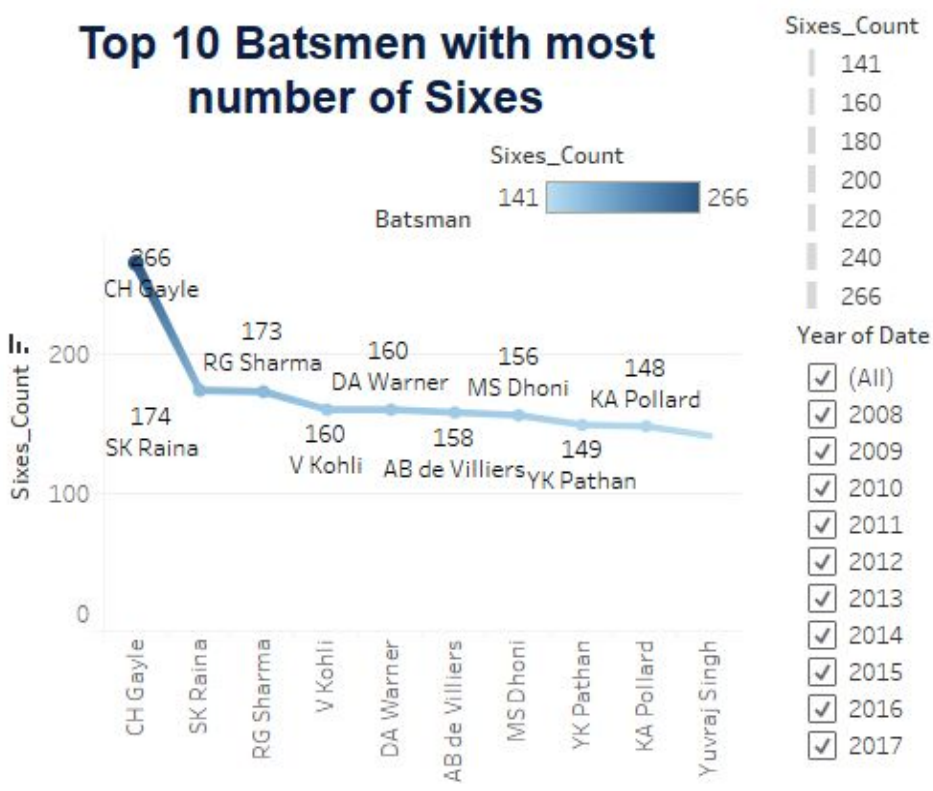
Purple Cap Contender

With the help of this heat map chart we can easily find out the Purple cap holder, basically Purple cap is given to a player who took maximum wickets in that specific season of the IPL.
We can filter out season wise the purple cap holder bowler.
Here we can see Malinga took over all highest wickets through out IPL season.



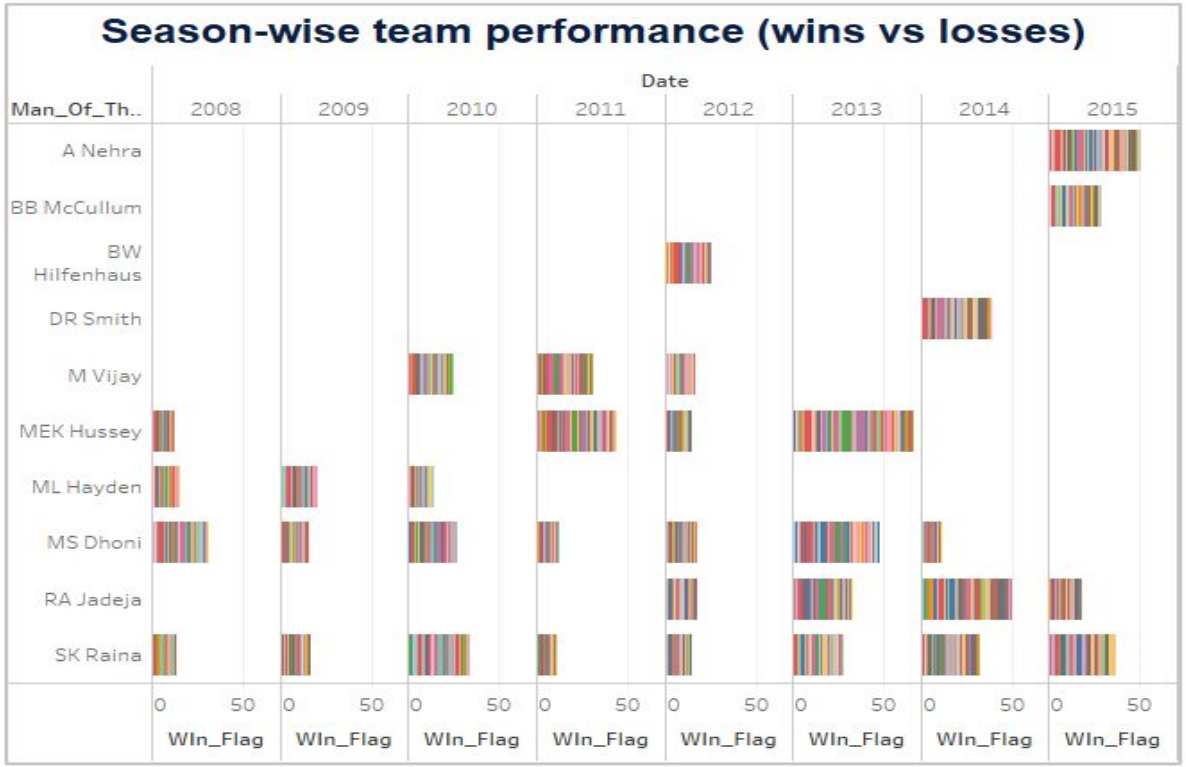
Top 10 batsmen with maximum Four and Six





Team Statistics

Season-wise team performance (wins vs losses)



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

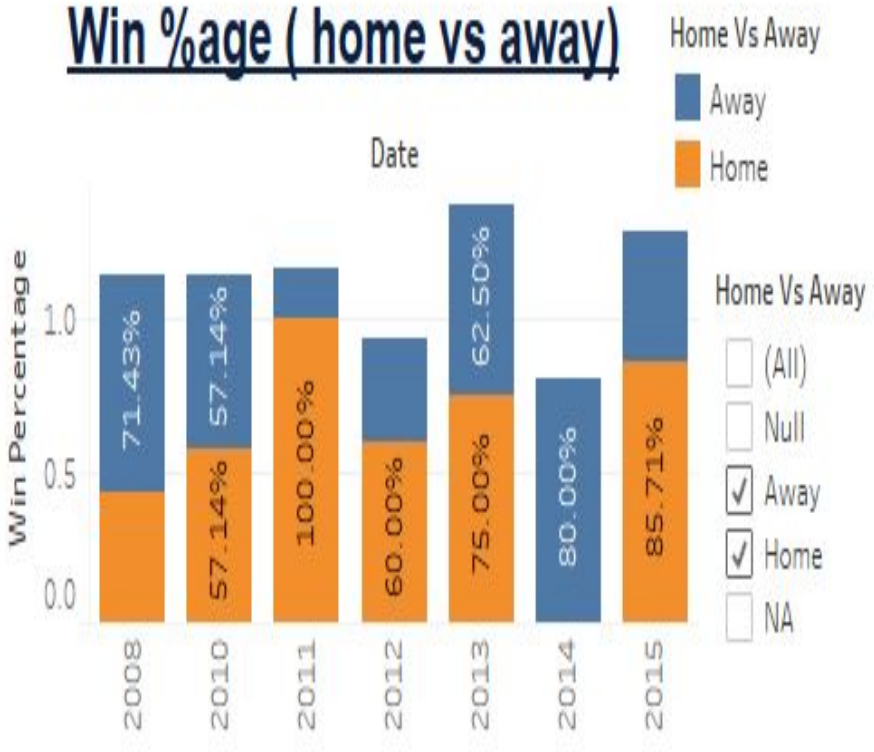
Winner
- (All)
- Null
- Chennai Super Kings
- Deccan Chargers
- Delhi Daredevils
- Gujarat Lions
- Kings XI Punjab
- Kochi Tuskers Kerala
- Kolkata Knight Riders
- Mumbai Indians
- Pune Warriors
- Rajasthan Royals
- Rising Pune Supergia...
- Royal Challengers Ba...
- Sunrisers Hyderabad

Losses

Batsman
- A Ashish Reddy
- A Mishra
- A Mithun
- A Nehra
- A Singh
- AA Jhunjhunwala
- AB Agarkar
- AB de Villiers
- AB Dinda
- AB McDonald
- AC Gilchrist
- AC Thomas
- AD Mascarenhas
- AD Mathews
- AD Russell
- AJ Finch
- AL Menaria
- AM Nayar
- AM Rahane
- AN Ahmed
- Ankit Sharma
- Anureet Singh
- AP Tare
- AR Patel
- AS Raut
- AS Yadav
- AT Rayudu
- AUK Pathan

Win Percentage (home vs away)

With the help of this stack bar chart we can get the insight of the win percentage of the teams while they played the match in their home Town or Away.
Here we can see the win percentage is little higher when they played in their home town.



Summary

With the help of charts like Bubble chart, Stack-bar chart, Bar chart, Heat map, Line chart we have found some useful insights regarding Match statistics, Player statistics and Team Statistics.

- We got the highest four and six scored player.
- The impact of toss decision on winning rate.
- Impact of wins when team plays on their home team or Away.
- Highest total runs target given to opponent team.
- Biggest win by runs.
- Orange and purple cap contender.
- Win or Loss as per the season.