



IPL Visualisation Assignment

by Sairaj Gupta G



Problem Statement

To build a Tableau dashboard of IPL statistics over the years since its inception in order to create an infographic for a newsletter



Analysis Approach

- We have understood all the attributes of the matches and deliveries files
- Imported the files into Tableau and joined the two datasets using Inner join by using Match Id
- Used filters in worksheets where required
- Created Calculated Fields and Parameters where required
- Created Dashboards with the help of worksheets



Divided the problem statement

Into three categories , which further divided into subcategories

1. Match Statistics
2. Player Statistics
3. Team Statistics

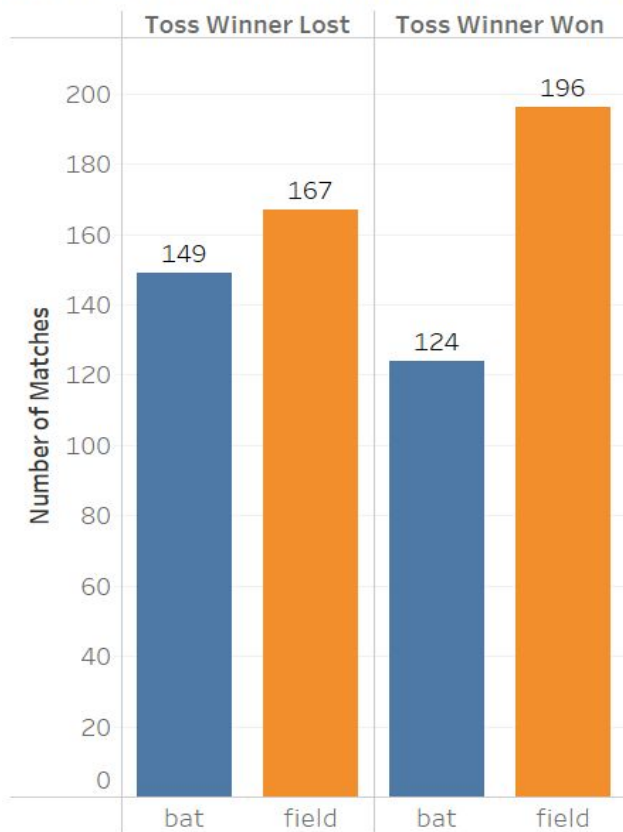


Match Statistics

It is divided into three subcategories:

- Toss outcome vs Match outcome (for each Ground/Venue)
- Biggest wins (by runs and by wicket)
- Highest totals (across all the seasons)

Toss Outcome vs Match Outcome by Venue



Venue

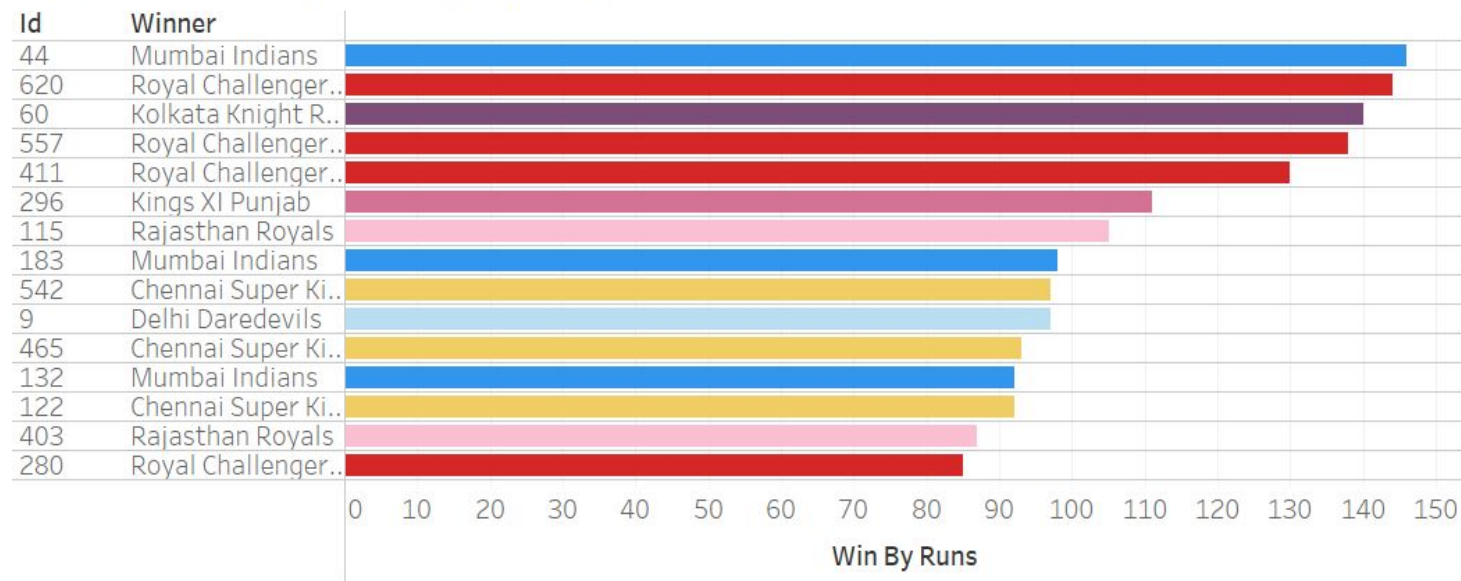
- ☒ (All)
- ☒ Barabati Stadium
- ☒ Brabourne Stadi...
- ☒ Buffalo Park
- ☒ De Beers Diamon...
- ☒ Dr DY Patil Sport...
- ☒ Dr. Y.S. Rajasekh...
- ☒ Dubai Internatio...
- ☒ Eden Gardens
- ☒ Feroz Shah Kotla
- ☒ Green Park
- ☒ Himachal Prades...
- ☒ Holkar Cricket St...
- ☒ JSCA Internation...
- ☒ Kingsmead
- ☒ M Chinnaswamy ...
- ☒ MA Chidambara...
- ☒ Maharashtra Cric...
- ☒ Nehru Stadium
- ☒ New Wanderers ...
- ☒ Newlands

Toss Decision

☒ bat

☒ field

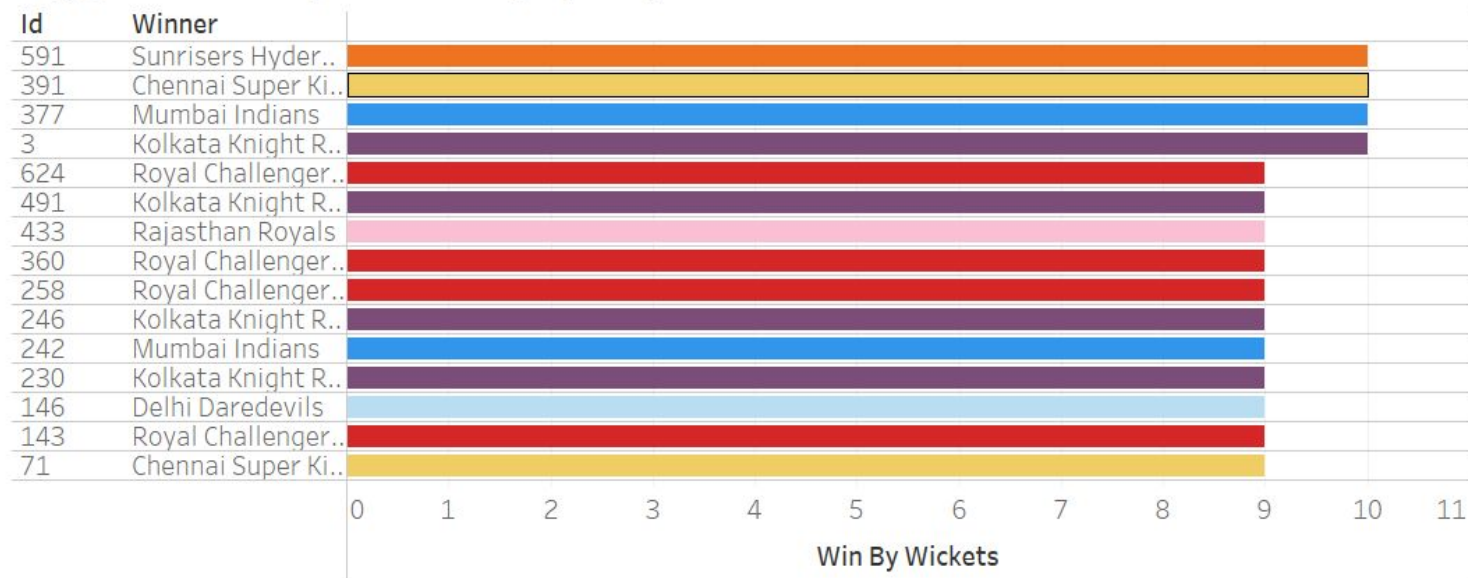
Biggest Wins by Runs (top 15)



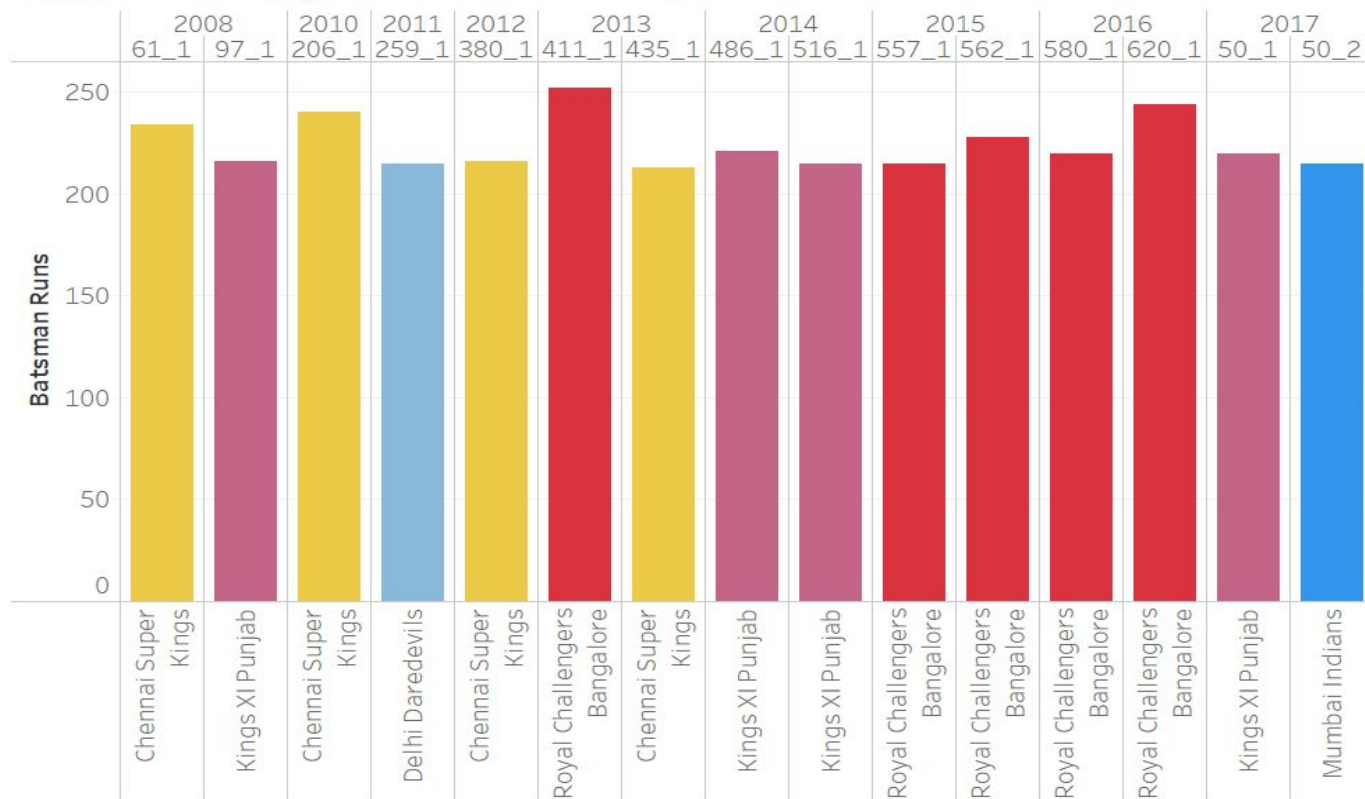
Winner

- Chennai Super Kings
- Delhi Daredevils
- Kings XI Punjab
- Kolkata Knight Riders
- Mumbai Indians
- Rajasthan Royals
- Royal Challengers Ban..

Biggest Wins by Wickets (top 15)



Highest Totals(across all seasons)



Batting Team

- Chennai Super Kings
- Delhi Daredevils
- Kings XI Punjab
- Mumbai Indians
- Royal Challengers Ban..

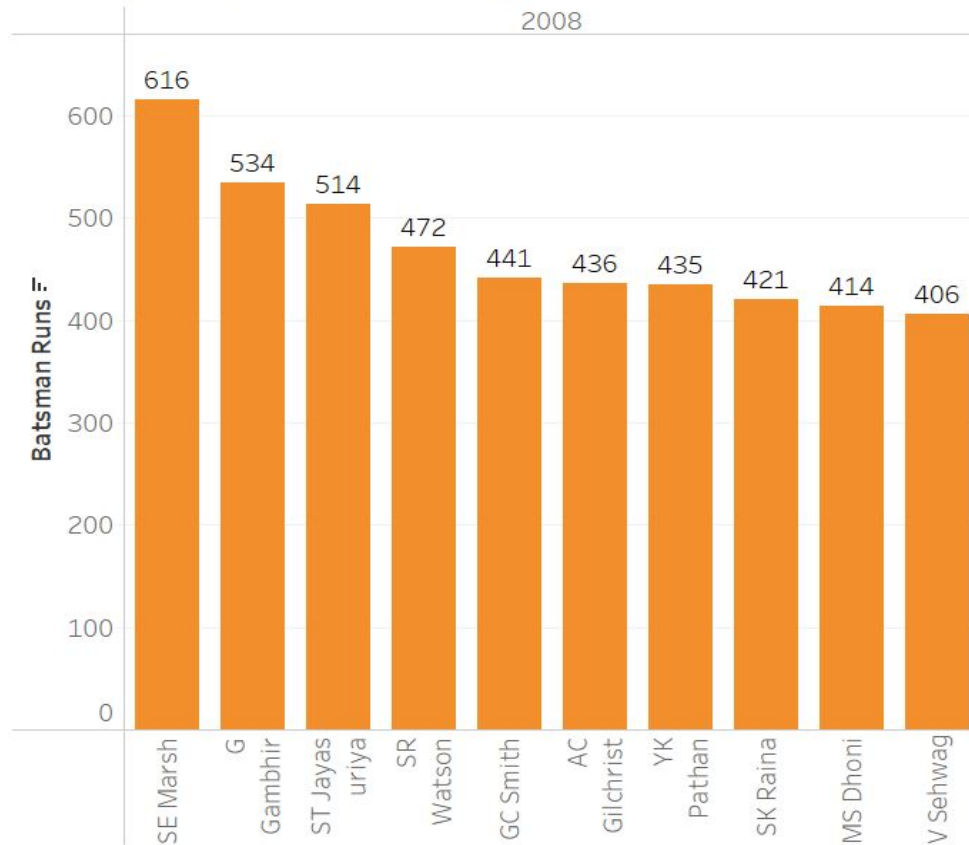


Player Statistics:

Player Statistics divided into three subcategories:

- 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)

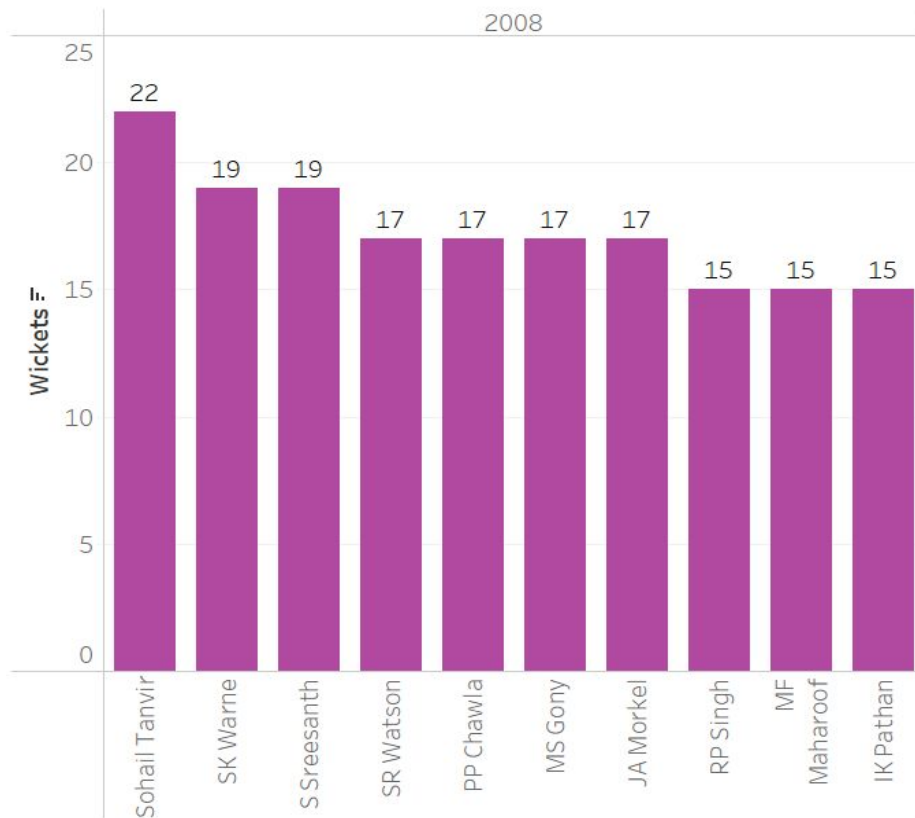
Orange Cap Contenders (across all seasons)



YEAR(Date)

2008

Purple Cap Contenders (across all seasons)



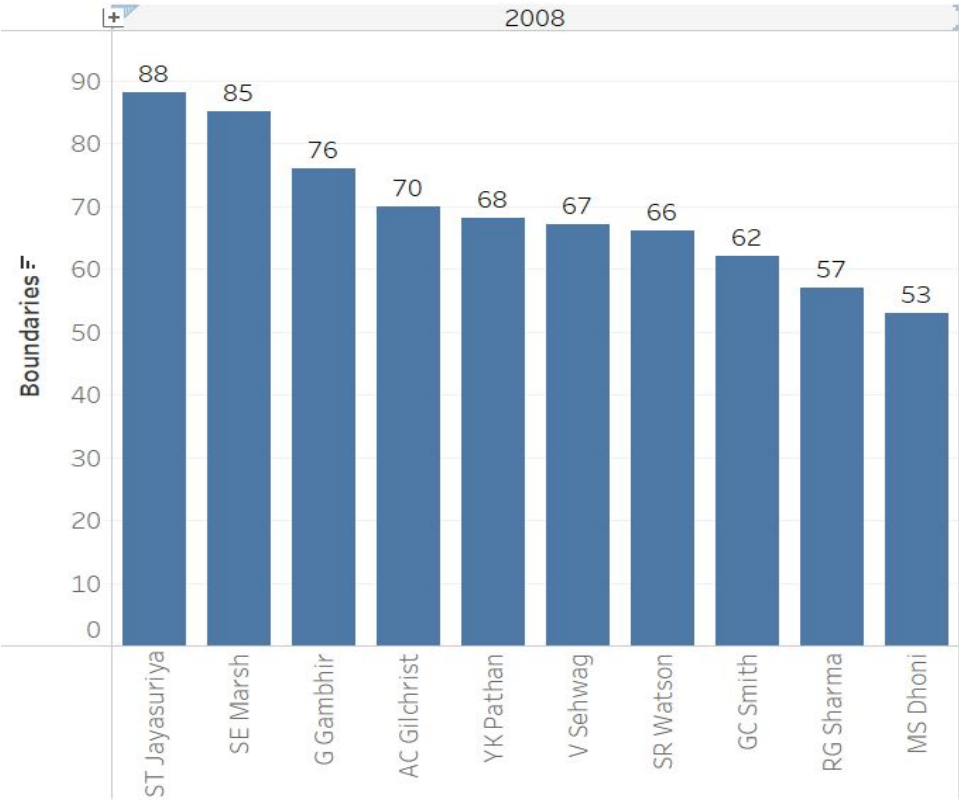
YEAR(Date)

2008

Dismissal Kind

- ☐ (All)
- ☐ Null
- ☒ bowled
- ☒ caught
- ☒ caught and bowled
- ☒ hit wicket
- ☒ lbw
- ☐ obstructing the field
- ☐ retired hurt
- ☐ run out
- ☒ stumped

Most Boundaries

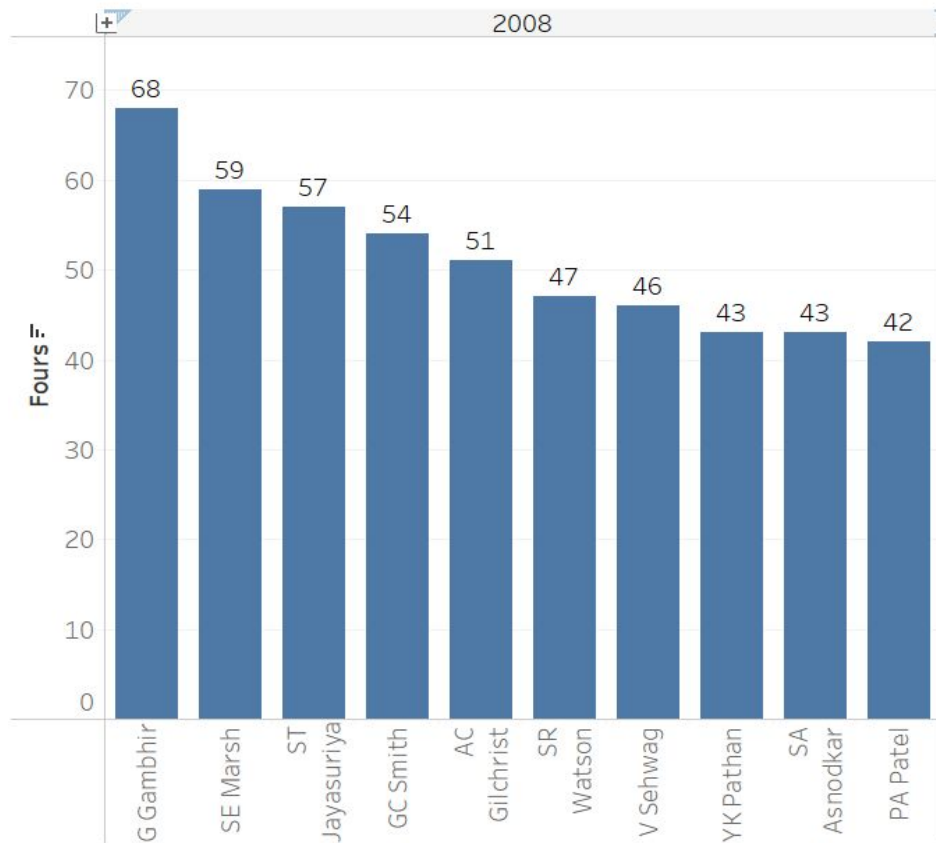


YEAR(Date)

2008

▼

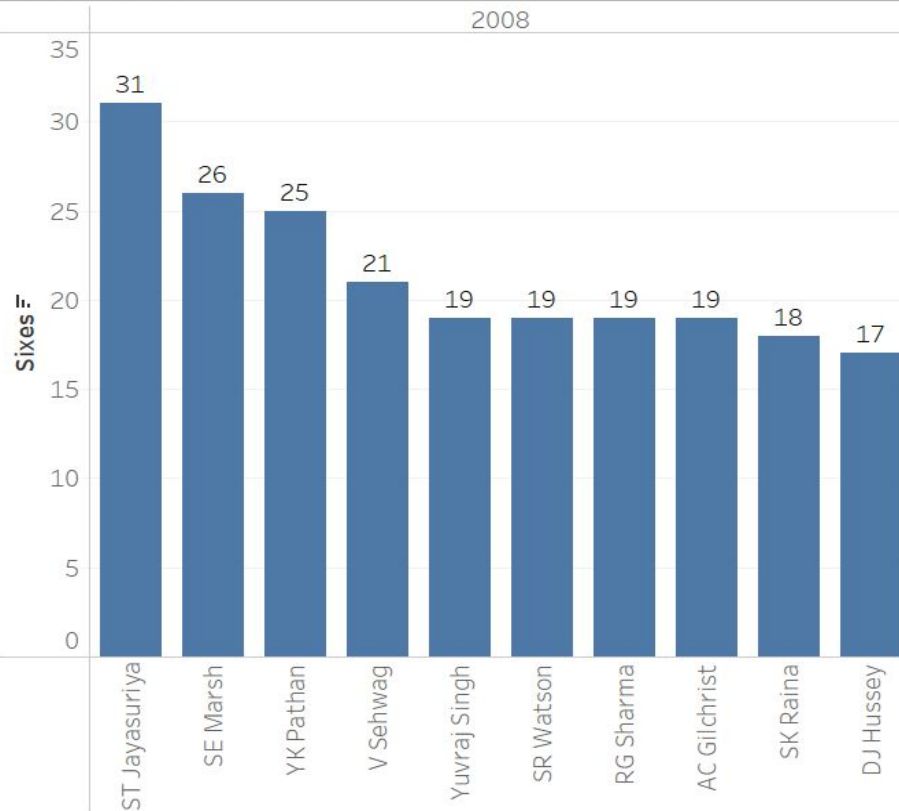
Most 4's



YEAR(Date)

2008

Most 6's



YEAR(Date)

2008



Note:

Filter is applied on Year, by changing the year we get the Stats of that Year



Most Boundaries Overall:

- Most Boundaries Overall - SK Raina - 576
- Most 4's Overall - G Gambhir - 484
- Most 6's Overall - CH Gayle - 266

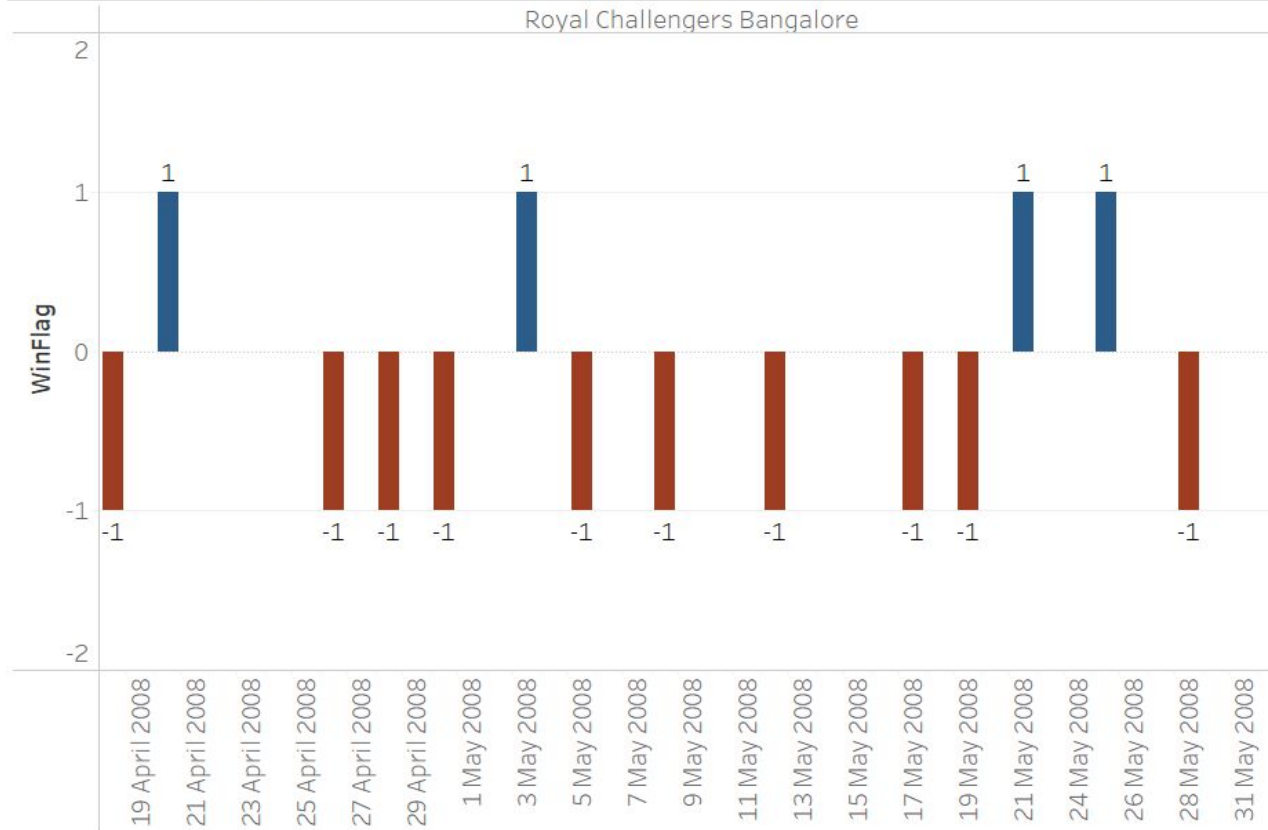


Team Statistics:

Team Statistics divided into two subcategories:

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

Season Wise Performance



YEAR(Date)

2008

SUM(WinFlag)

-1

1

Team

Royal Challengers Bang...

Win%(Home vs Away)

Year of Date ≡	Home vs Away		NA
	Home	Away	
2008	14.29%	40.00%	
2009			56.25%
2010	57.14%	60.00%	50.00%
2011	83.33%	50.00%	50.00%
2012	42.86%	50.00%	
2013	87.50%	0.00%	0.00%
2014	40.00%	0.00%	50.00%
2015	28.57%	66.67%	50.00%
2016	55.56%	50.00%	100.00%
2017	16.67%	0.00%	0.00%

Home vs Away

☐ (All)

☐ Null

☒ Away

☒ Home

☒ NA

Team

Royal Challengers Bang... ▾



Note:

Used Team as parameter, so by selecting a team we will get that team stats



Conclusion:

- Created the Visuals for Match Statistics, Player Statistics, Team Statistics categories
- Used filters and parameters that provided interactivity for the users