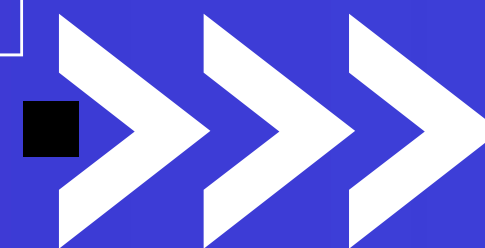Visualization Assignment By :
I Yugandhar

OBJECTIVE

To create an interactive dashboard that highlights some of the important statistics of IPL over the years 2008 - 2017.

PROBLEM STATEMENTS

As a data analyst at IFP, a nationally recognized news agency, the Sports Editor of the agency has approached to build an interactive Tableau dashboard of IPL statistics over the years since its inception in order to create an infographic for a newsletter that their team is working on.

For this newsletter, in some cases, they will use the visual representations you have created in Tableau directly for their infographic, and in a few other cases, they will use important statistics after trying out the different filters and customizations that you have provided for interactivity.

STATISTICS

Match Statistics

Toss Outcome Vs Match Outcome
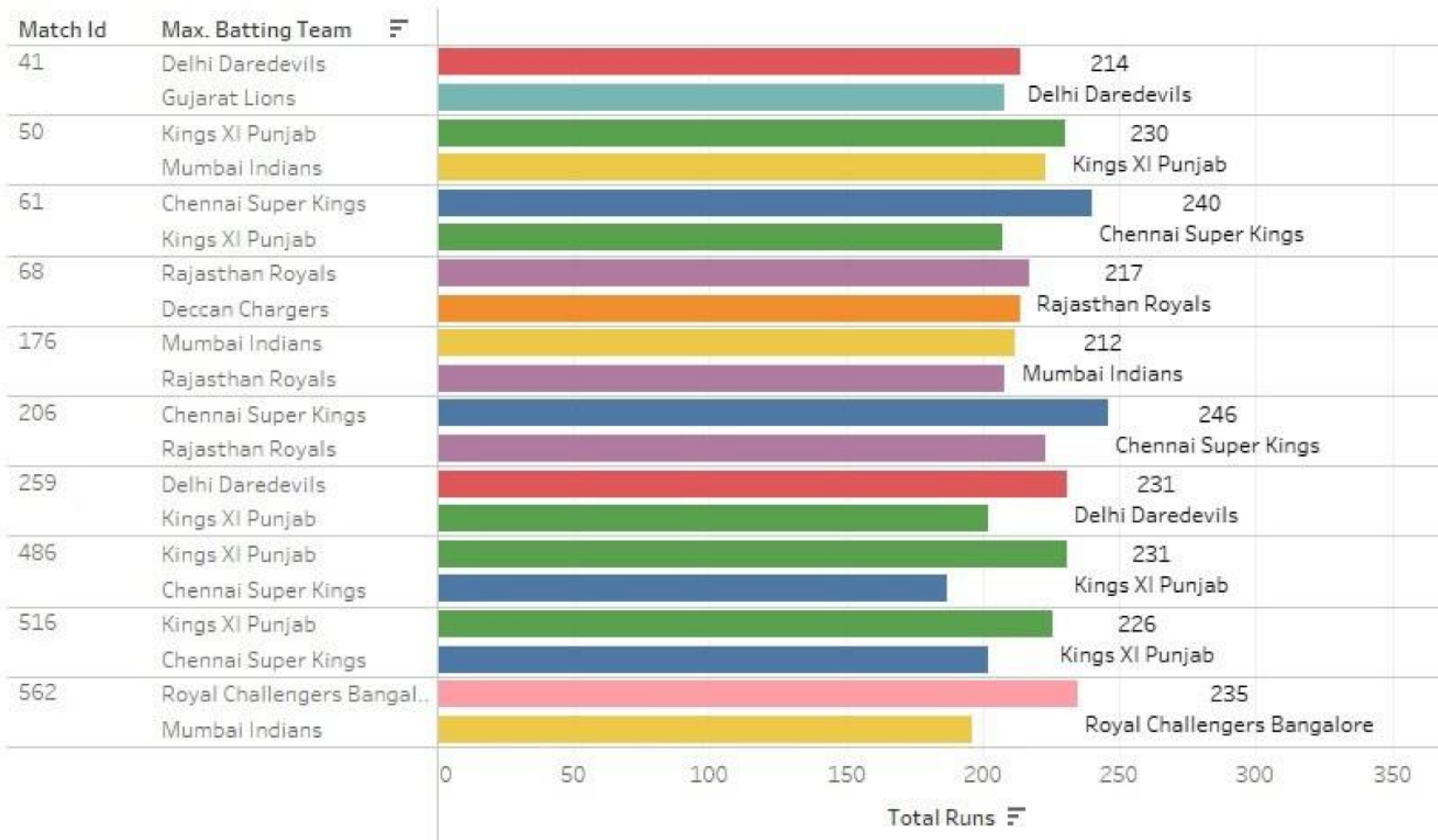
Biggest Wins (by runs)

Biggest wins (by wickets)

Royal Challengers Bangalore 277

Hyderabad

Rajasthan Royals 233

Kings XI Punjab 227

Chennai Super Kings 208

Mumbai Indians 270

Delhi Daredevils 268

Kolkata Knight Riders 291

Highest Totals

Match Id	Max. Batting Team ⇲	Total Runs
41	Delhi Daredevils	214 Delhi Daredevils
	Gujarat Lions	
50	Kings XI Punjab	230 Kings XI Punjab
	Mumbai Indians	
61	Chennai Super Kings	240 Chennai Super Kings
	Kings XI Punjab	
68	Rajasthan Royals	217 Rajasthan Royals
	Deccan Chargers	
176	Mumbai Indians	212 Mumbai Indians
	Rajasthan Royals	
206	Chennai Super Kings	246 Chennai Super Kings
	Rajasthan Royals	
259	Delhi Daredevils	231 Delhi Daredevils
	Kings XI Punjab	
486	Kings XI Punjab	231 Kings XI Punjab
	Chennai Super Kings	
516	Kings XI Punjab	226 Kings XI Punjab
	Chennai Super Kings	
562	Royal Challengers Bangal..	235 Royal Challengers Bangalore
	Mumbai Indians	

0   50   100   150   200   250   300   350

Total Runs ⇲

Player Statistics

Orange Cap Contenders

SK Raina 4,548	G Gambhir 4,132	CH Gayle 3,651	S Dhawan 3,561
V Kohli 4,423	DA Warner 4,014	MS Dhoni 3,560	
RG Sharma 4,207	RV Uthappa 3,778	AB de Villiers 3,486	

Purple Cap Contenders

SL Malinga 170	PP Chawla 133	R Ashwin 110	P Kumar 102
A Mishra 142	R Vinay Kumar 125		
Harbhajan Singh 136	Z Khan 119	DW Steyn 100	IK Pathan 99

Fours and sixes

Batsman

Fours:
- AM Rahane: 231
- CH Gayle: 297
- DA Warner: 401
- G Gambhir: 484
- RG Sharma: 354
- RV Uthappa: 377
- S Dhawan: 401
- SK Raina: 321
- V Kohli: 384
- V Sehwag: 334

Sixes:
- AM Rahane: 42
- CH Gayle: 266
- DA Warner: 160
- G Gambhir: 58
- RG Sharma: 173
- RV Uthappa: 125
- S Dhawan: 71
- SK Raina: 151
- V Kohli: 160
- V Sehwag: 106

TEAM STATISTICS

Season-wise team performance
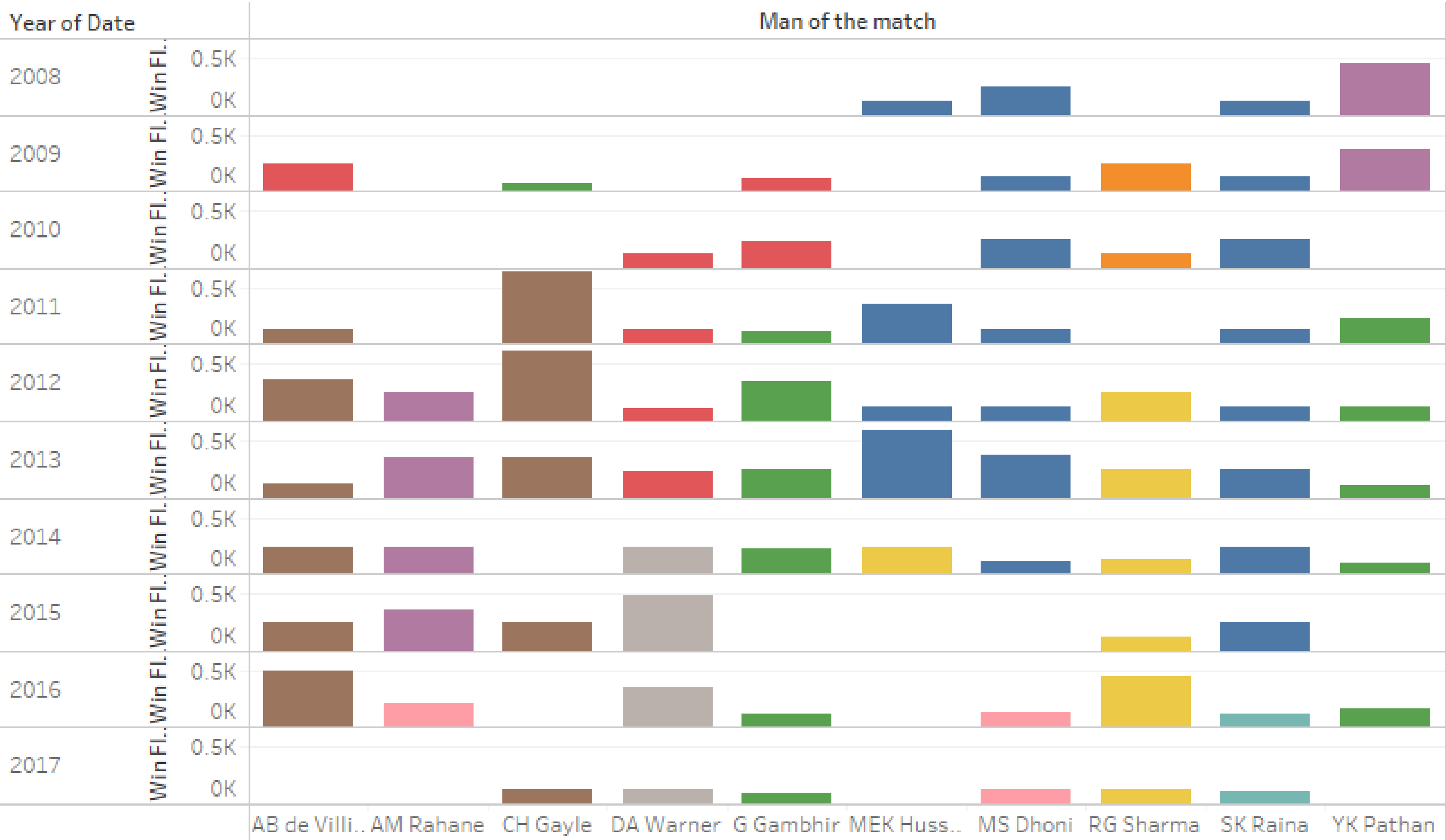
Win % (Home Vs Away)

Year of D..	Home	Away	NA
2008	51.2%	45.1%	49.7%
2009			49.1%
2010	54.3%	43.6%	49.2%
2011	56.1%	41.4%	47.0%
2012	44.8%	53.1%	50.3%
2013	69.8%	28.8%	49.5%
2014	46.7%	49.5%	49.4%
2015	55.9%	39.0%	50.2%
2016	43.1%	53.1%	48.2%
2017	53.7%	44.8%	44.7%

SUMMARY

- Even if the players won or lost the toss, most of them chose to do fielding.

- Biggest wins among IPL teams throughout the :
  - Runs : Mumbai Indians
  - Wickets : Kolkata Knight Riders

- Throughout the seasons, Chennai Super kings has the highest totals i.e., 246 runs in the year 2010.

- The batsmen who have scored the maximum number of runs and wickets taken in a particular season (2012) :

    - Orange cap contenders : CH Gayle (733)
    - Purple cap contenders : SLMalinga (25)

- Batsman who hits most no. of fours and sixes in a particular season (2012):

    - Fours : AM Rahanne (73)
    - Sixes : CH Gayle (59)

  Overall season :

    - Fours : G Gambhir (484)
    - Sixes : CH Gayle (266)

- Year 2013 has overall win % i.e, 69.8% as Home. While in the same year , it has lowest win % for away i.e., 28.8 %.

- CH Gayle (RCB) became a man of the man in year 2011-2012 . Moreover, MEK Hussey (CSK) has the highest win flag score in 2013.

Thank You

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