



IPL Visualisation Assignment

By : Vijay Rangvani

Problem Statement & End Goal

Problem Statement

- ▶ 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.

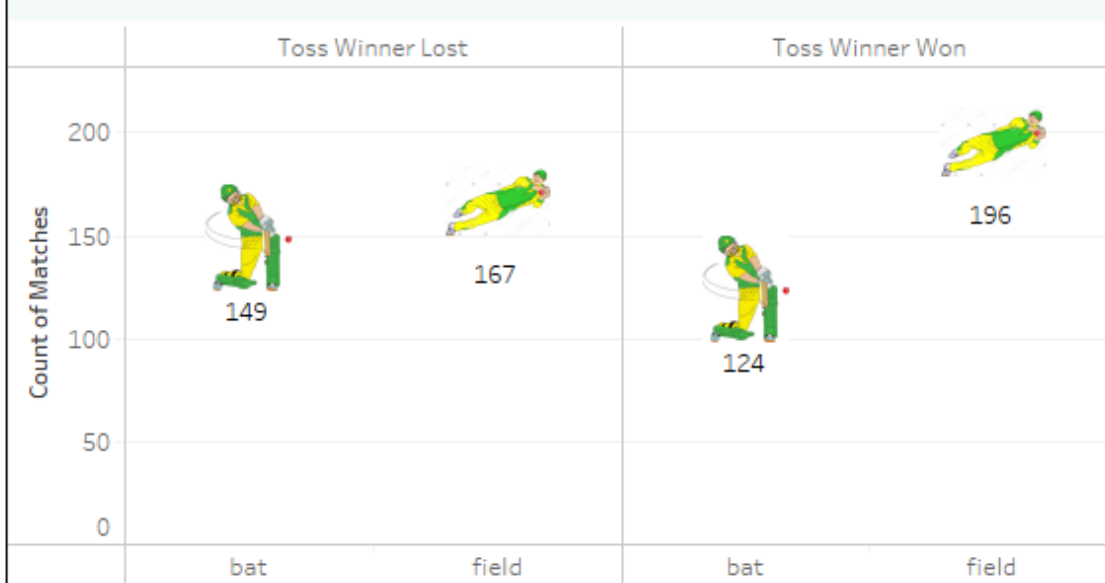
End Goal

- ▶ Creating an interactive dashboard that will be helpful for visualisation and understanding of insights of IPL datasets over the years 2008 - 2017.

Match Statistics

MATCH STATISTICS

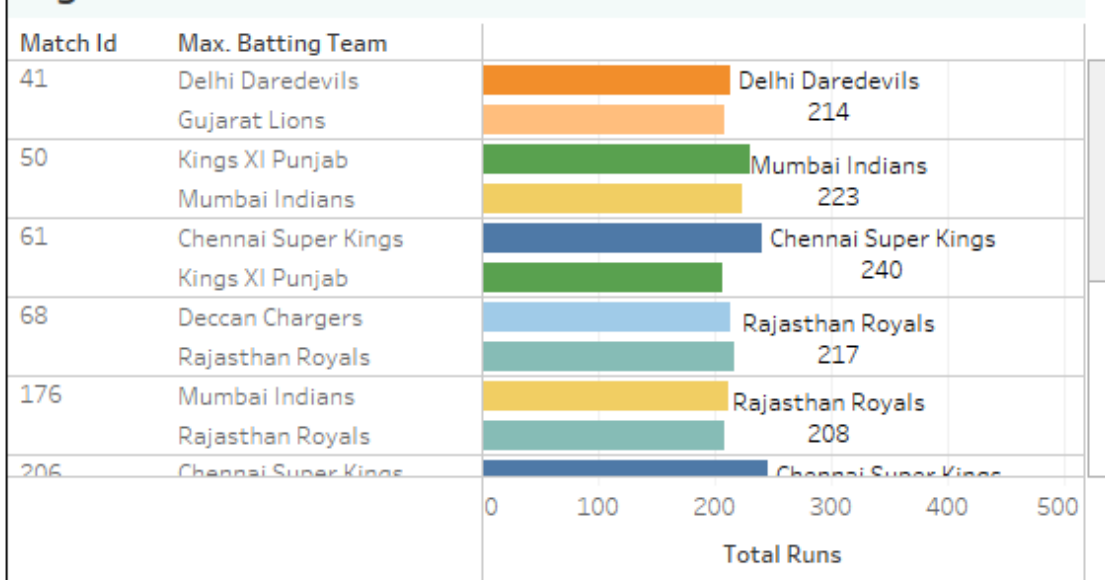
Toss Outcome Vs Match Outcome



Biggest wins by runs



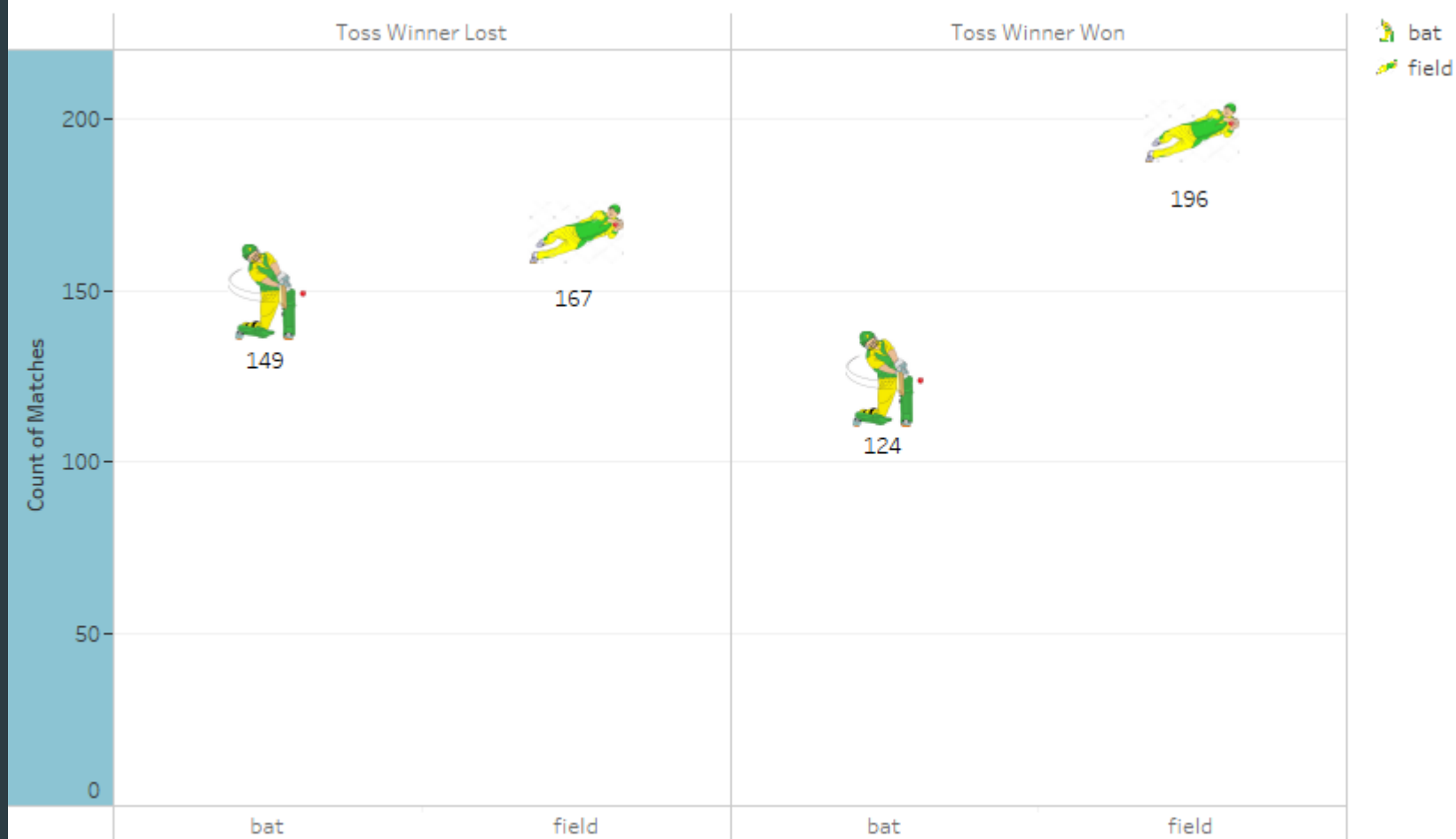
Highest Totals



Biggest wins by wickets



Toss Outcome Vs Match Outcome



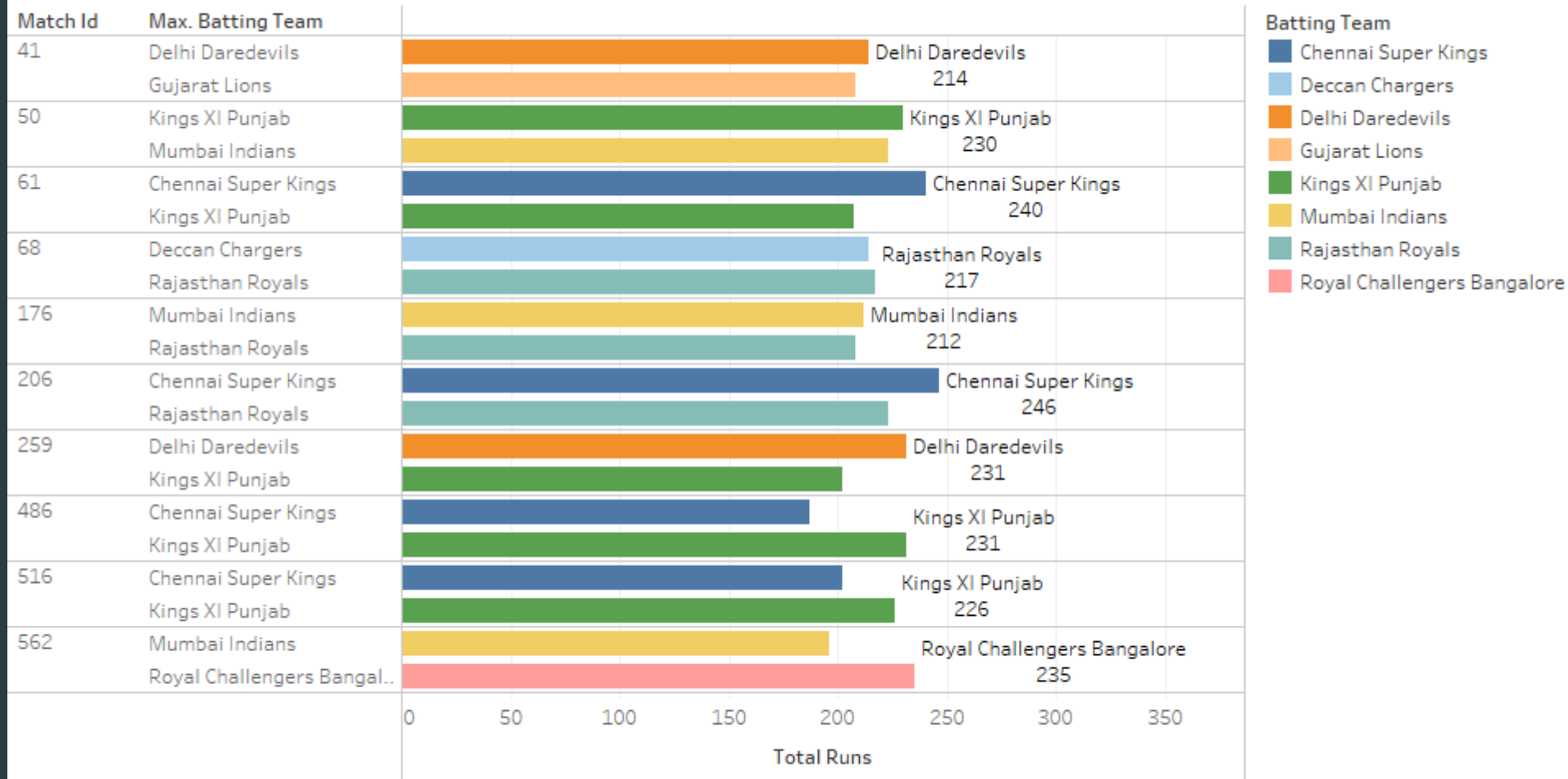
Distinct count of Id for each Toss Decision broken down by Toss Vs Match. Shape shows details about Toss Decision. The marks are labelled by distinct count of Id. The data is filtered on Venue and Teams_in_IPL. The Venue filter keeps 35 of 35 members. The Teams_in_IPL filter keeps 13 of 13 members.

Biggest wins by runs

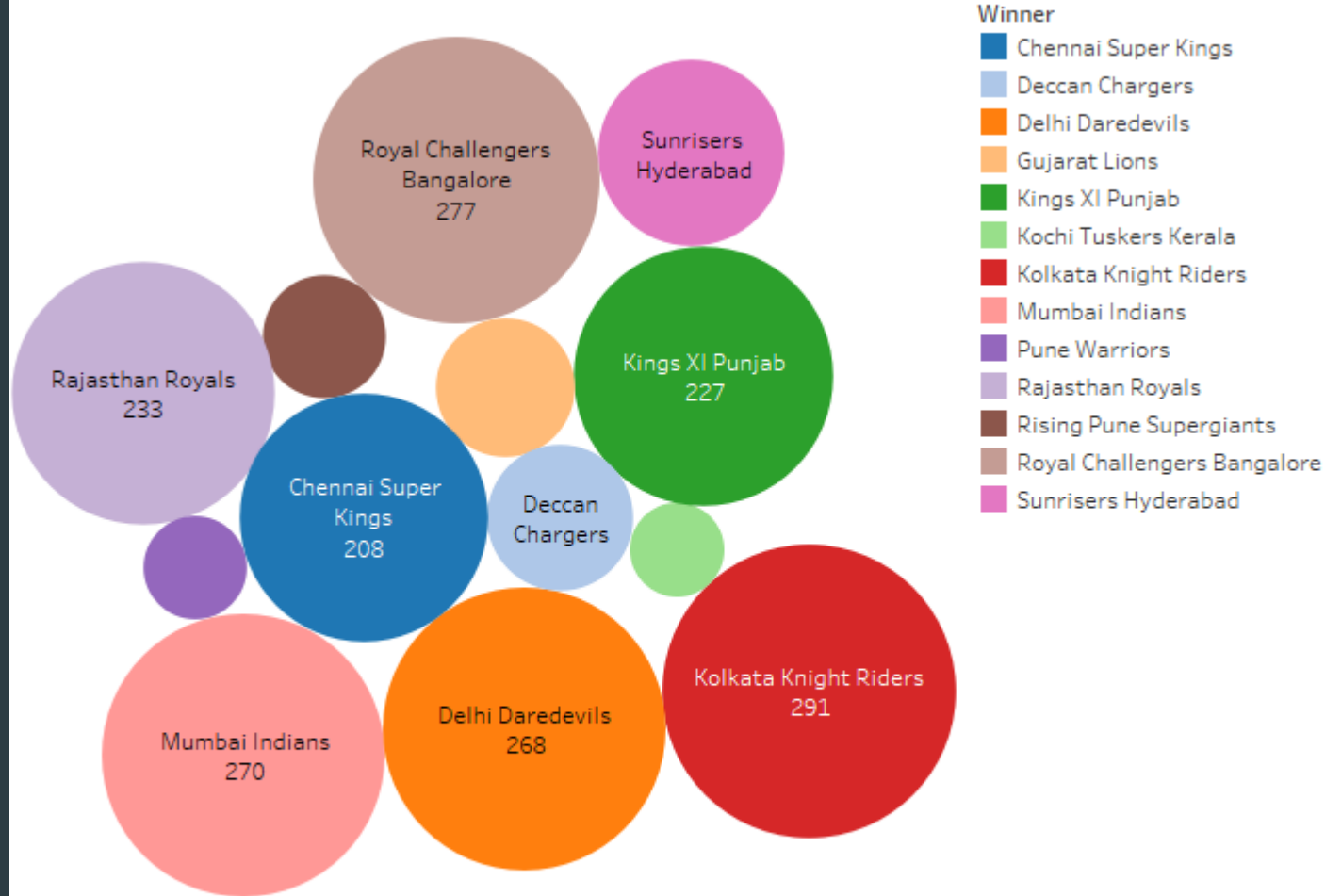


Maximum of Win By Runs for each Winner. Shape shows details about Winner. The marks are labelled by maximum of Win By Runs. The data is filtered on Id and Teams_in_IPL. The Id filter keeps 10 of 636 members. The Teams_in_IPL filter keeps 13 of 13 members.

Highest Totals



Biggest wins by wickets



Winner and sum of Win By Wickets. Colour shows details about Winner. Size shows sum of Win By Wickets. The marks are labelled by Winner and sum of Win By Wickets. The data is filtered on Teams_in_IPL, which keeps 13 of 13 members. The view is filtered on Winner, which keeps 13 of 14 members.

Player Statistics

Player Statistics

Orange cap Contenders

Batsman Runs
3,486 4,548

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	

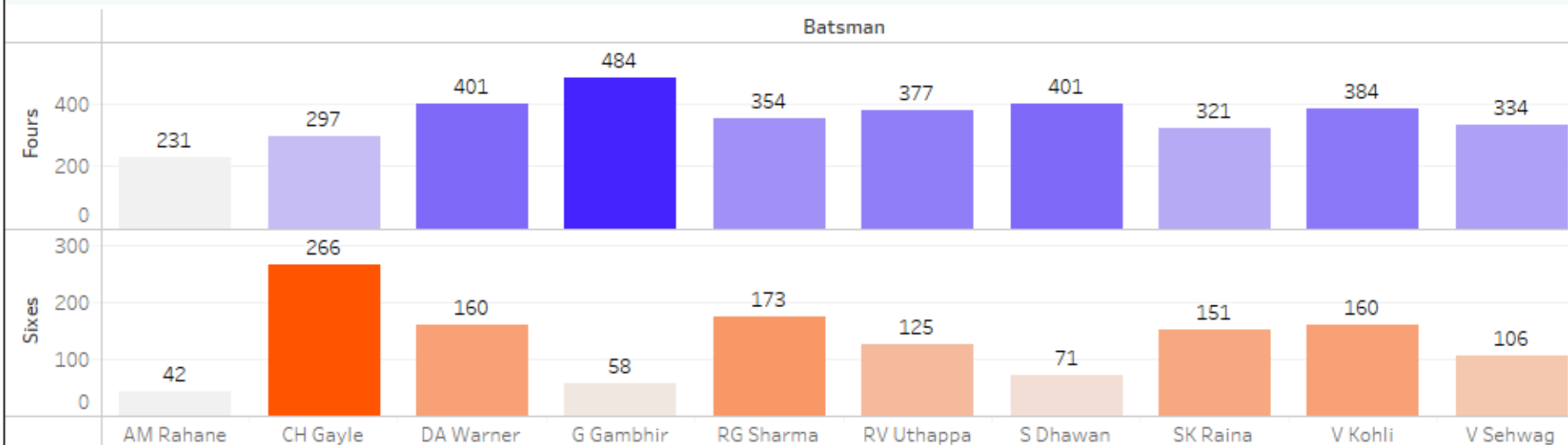
Purple Cap Contenders

No. of Wick..
99 170

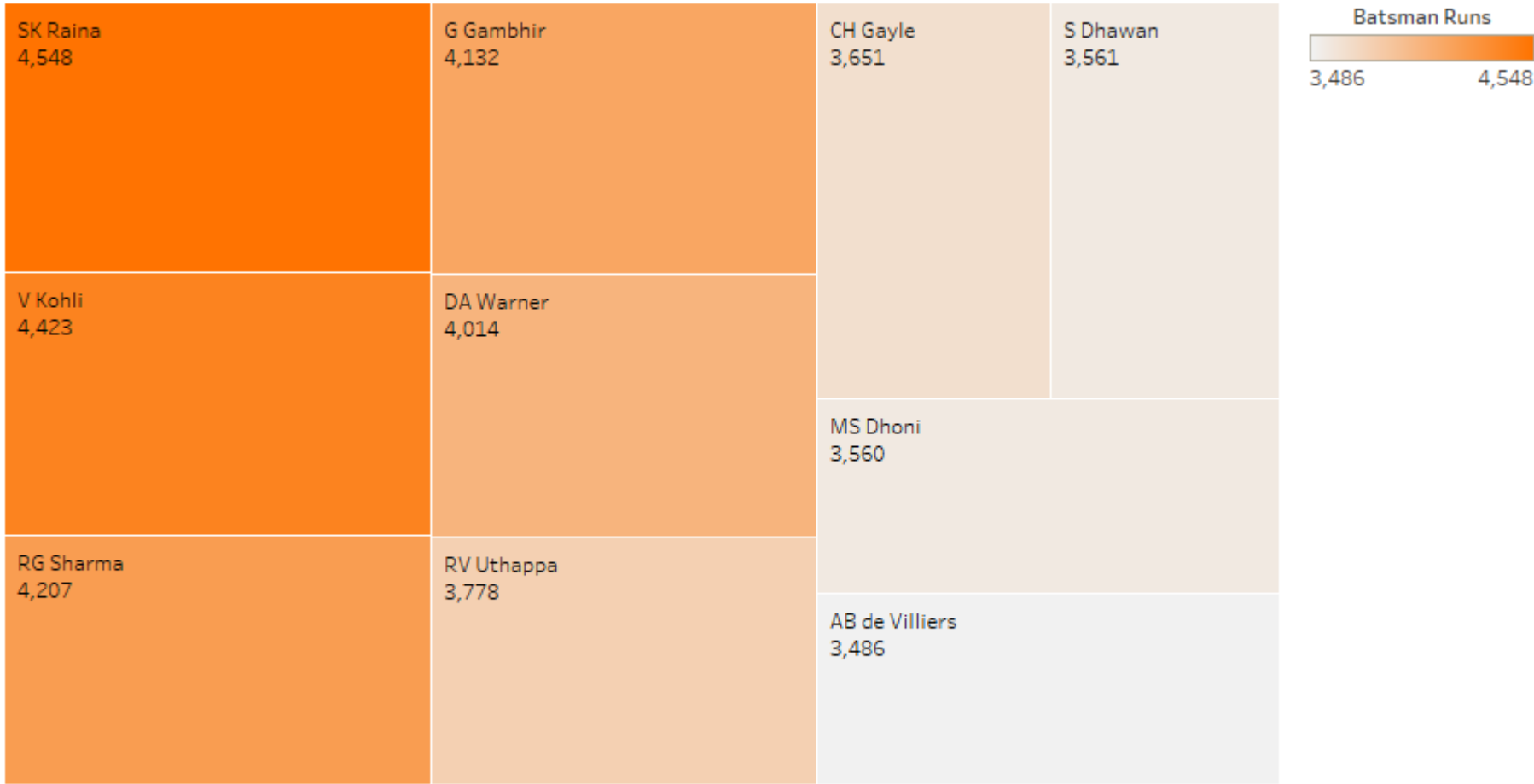
SL Malinga 170	PP Chawla 133	R Ashwin 110	P Kumar 102
A Mishra 142	R Vinay Kumar 125	DW Steyn 100	
Harbhajan Singh 136	Z Khan 119	IK Pathan 99	

Fours and Sixes

Season All

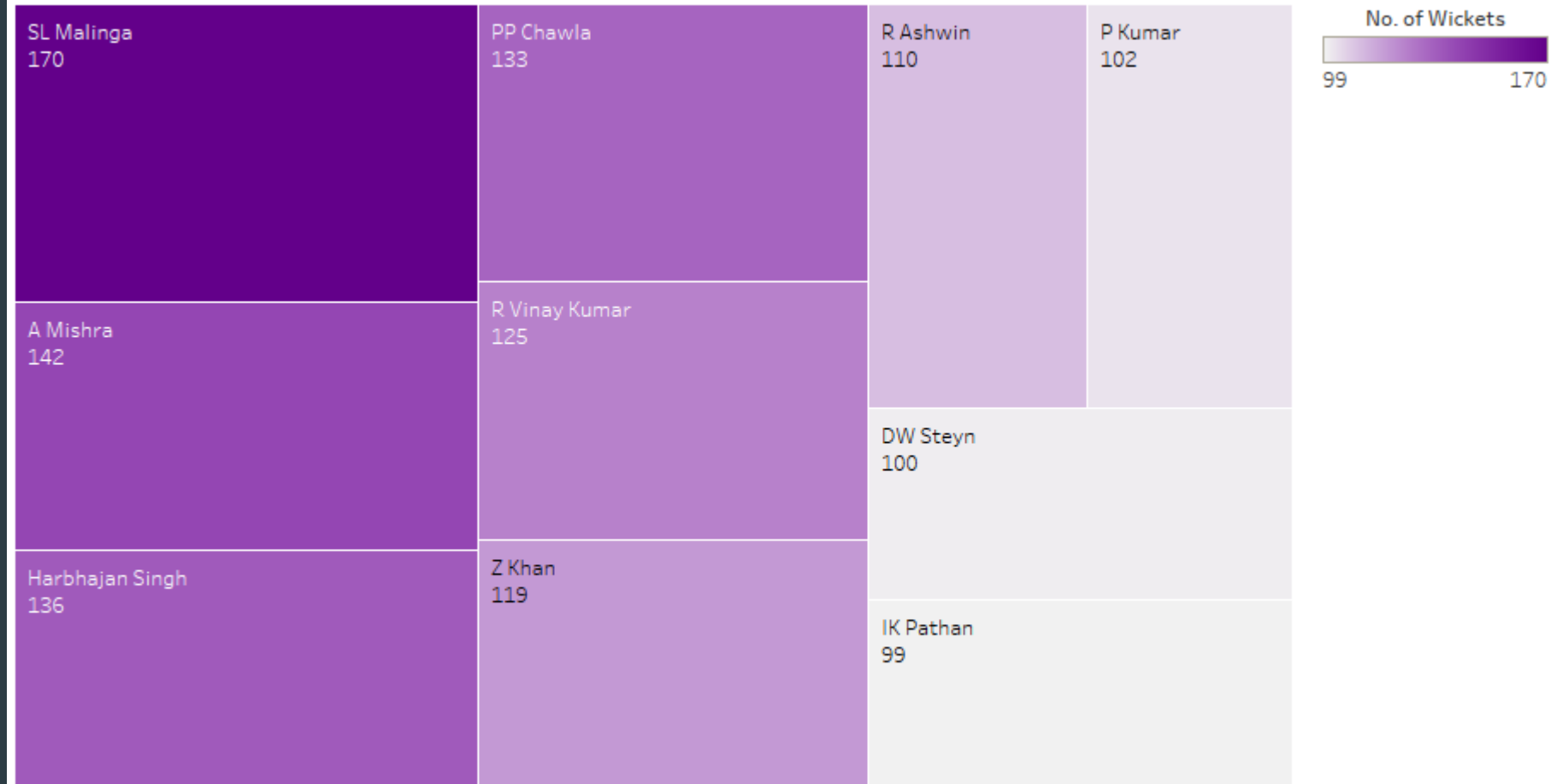


Orange cap Contenders



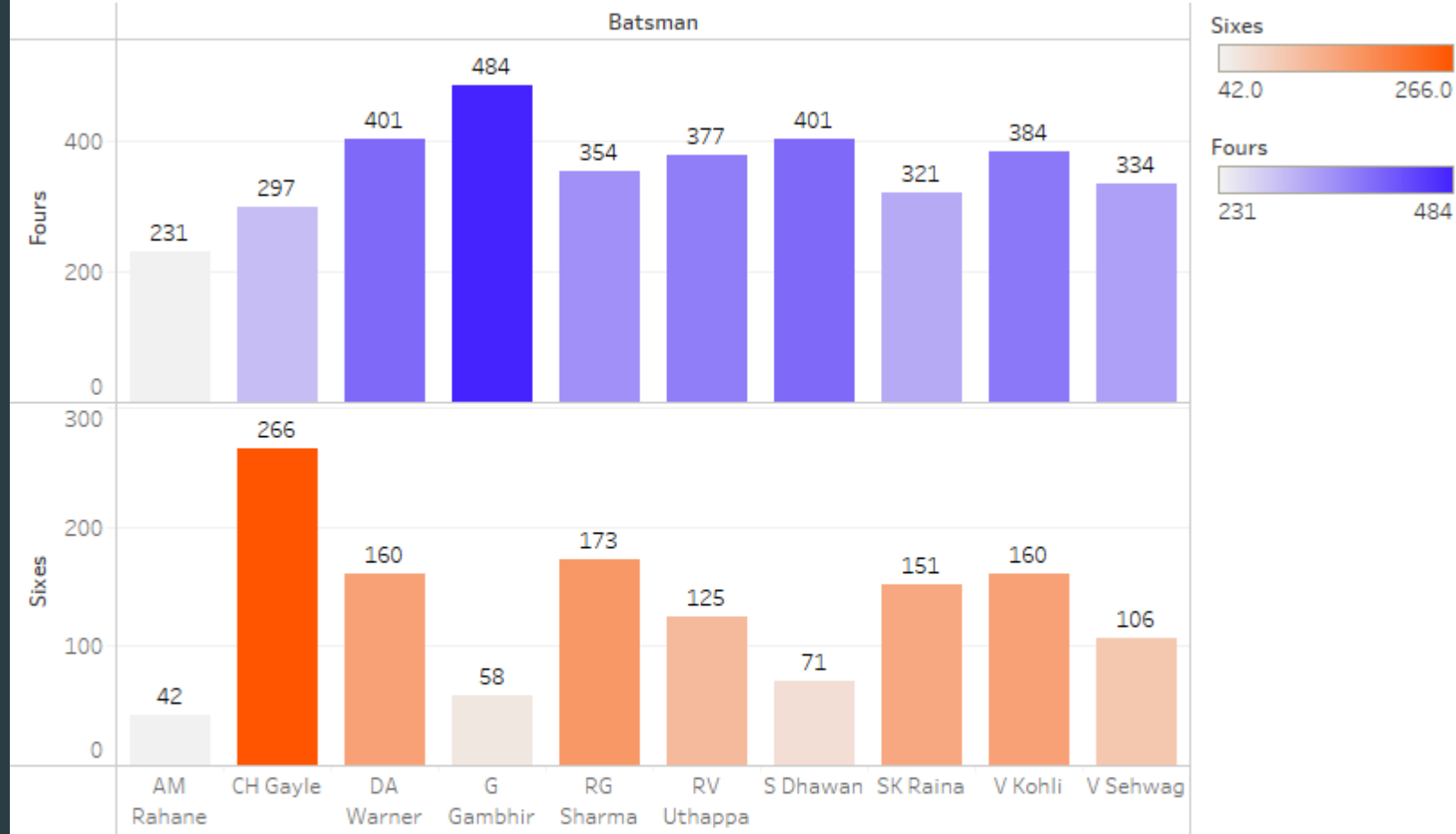
Batsmanandsum of Batsman Runs. Colour shows sum of Batsman Runs. Size shows sum of Batsman Runs. The marks are labelled by Batsmanandsum of Batsman Runs.The data is filtered on Date YearandTeams_in_IPL.The Date Year filter keeps 10 of 10 members.The Teams_in_IPL filter keeps 13 of 13 members.The view is filtered on Batsman, which keeps 10 of 931 members.

Purple Cap Contenders



Bowler and count of Player Dismissed. Colour shows count of Player Dismissed. Size shows count of Player Dismissed. The marks are labelled by Bowler and count of Player Dismissed. The data is filtered on Date Year and Teams_in_IPL. The Date Year filter keeps 10 of 10 members. The Teams_in_IPL filter keeps 13 of 13 members. The view is filtered on Bowler, which keeps 10 of 942 members.

Fours and Sixes



Fours and Sixes for each Batsman. For pane Fours: Colour shows Fours. The marks are labelled by Fours. For pane Sixes: Colour shows Sixes. The marks are labelled by Sixes. The data is filtered on Date Year, Batting Team, Teams_in_IPL and Action (Batsman). The Date Year filter keeps 10 of 10 members. The Batting Team filter keeps 10 of 13 members. The Teams_in_IPL filter keeps 13 of 13 members. The Action (Batsman) filter keeps 461 members. The view is filtered on Batsman, which keeps 10 of 461 members.

Team Statistics

TEAM STATISTICS

Win %age

Year of Date	Home	Away	NA
2008	51.18%	45.11%	49.71%
2009			49.07%
2010	54.33%	43.65%	49.17%
2011	56.08%	41.41%	46.97%
2012	44.82%	53.09%	50.31%
2013	69.84%	28.80%	49.46%
2014	46.69%	49.54%	49.42%
2015	55.89%	39.03%	50.16%
2016	43.12%	53.12%	48.23%
2017	53.67%	44.81%	44.65%

Win Percentage

28.80% 69.84%

Season

- ☒ 2008
- ☒ 2009
- ☒ 2010
- ☒ 2011
- ☒ 2012
- ☒ 2013
- ☒ 2014
- ☒ 2015
- ☒ 2016
- ☒ 2017


Teams_in_IPL

- ☒ 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

Season-wise team performance

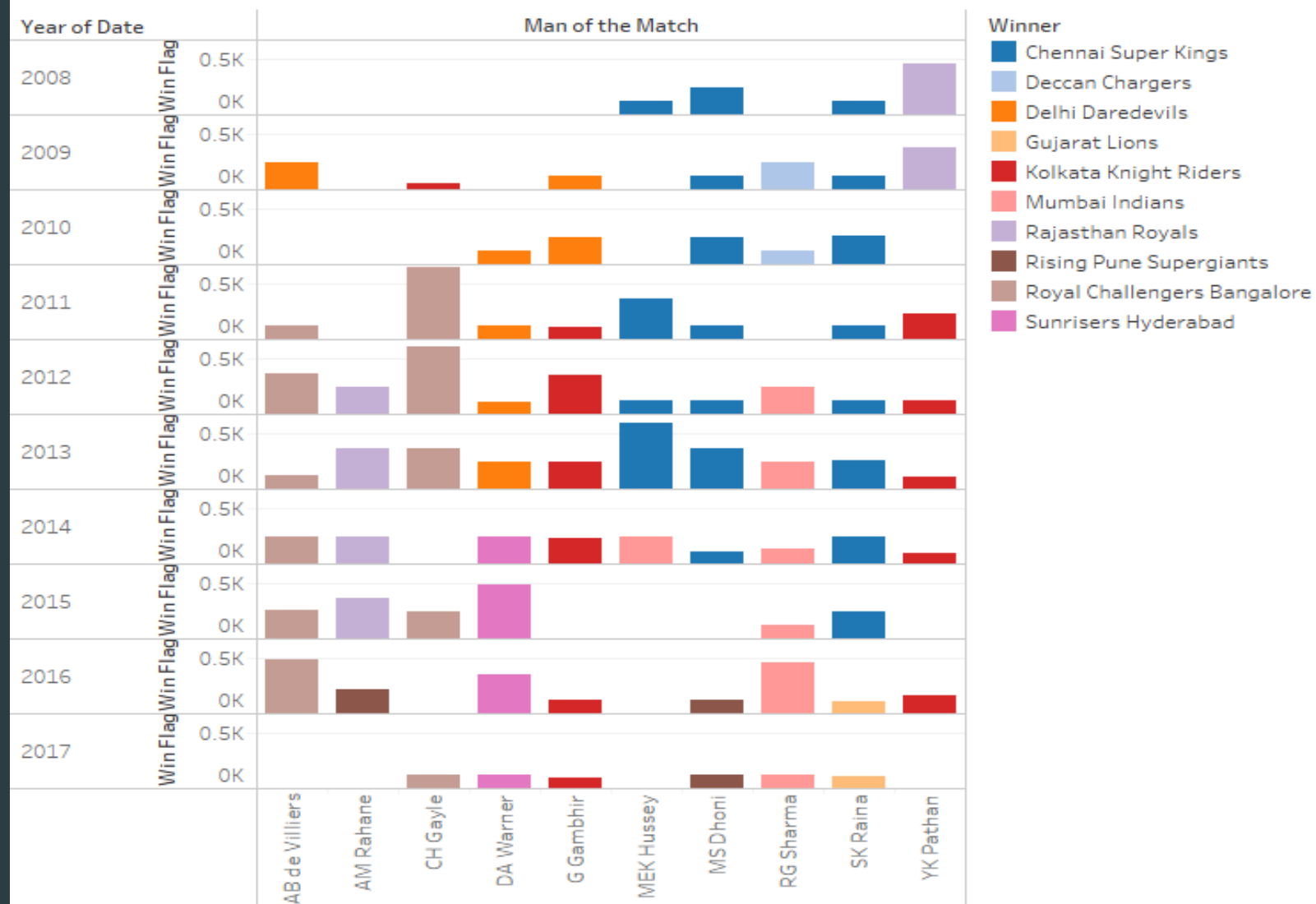
Year of Date	Man of the Match
2008	Wi.. 0.5K
2009	Wi.. 0.5K
2010	Wi.. 0.5K
2011	Wi.. 0.5K
2012	Wi.. 0.5K
2013	Wi.. 0.5K
2014	Wi.. 0.5K
2015	Wi.. 0.5K
2016	Wi.. 0.5K
2017	Wi.. 0.5K
	AB de Villi.. AM Rahane CH Gayle DA Warner G Gambhir MEK Huss.. MS Dhoni RG Sharma SK Raina YK Pathan

Win %age

Year of Date	Home	Away	NA	Win Percentage
2008	51.18%	45.11%	49.71%	 28.80% 69.84%
2009			49.07%	
2010	54.33%	43.65%	49.17%	
2011	56.08%	41.41%	46.97%	
2012	44.82%	53.09%	50.31%	
2013	69.84%	28.80%	49.46%	
2014	46.69%	49.54%	49.42%	
2015	55.89%	39.03%	50.16%	
2016	43.12%	53.12%	48.23%	
2017	53.67%	44.81%	44.65%	

Win Percentage broken down by Home Vs Away vs. Date Year. Colour shows Win Percentage. The marks are labelled by Win Percentage. The data is filtered on Teams_in_IPL, which keeps 13 of 13 members. The view is filtered on Home Vs Away and Date Year. The Home Vs Away filter excludes no members. The Date Year filter keeps 10 of 10 members.

Season-wise team performance



Sum of Win Flag for each Man of the Match broken down by Date Year. Colour shows details about Winner as an attribute. The data is filtered on Teams_in_IPL, which keeps 13 of 13 members. The view is filtered on Date Year, Man of the Match and Winner as an attribute. The Date Year filter keeps 10 of 10 members. The Man of the Match filter has multiple members selected. The Winner as an attribute filter excludes *.



Insights

Insights

- ▶ Irrespective of the toss result, Teams prefer to do fielding when compared to batting.
- ▶ Chennai Super Kings (CSK) holds the record of highest total with 246 runs against Rajasthan Royals (RR) in year 2010.
- ▶ Mumbai Indians (MI) records the biggest win by runs and Kolkata Knight riders (KKR) records the biggest wins by wickets.
- ▶ Suresh Raina is the top most batsman for orange cap contention and Lasith Malinga is the top bowler for purple cap winner across all the seasons
- ▶ In terms of highest no. of fours across all seasons, Gautam Gambhir tops the list with 484 fours whereas Chris Gayle is the top batsman to hit most no. of sixers with 266 sixers.
- ▶ In year 2013, home team advantage was visible in match results with highest home team win percentage of 69.8%.
- ▶ Chris Gayle from RCB became the Man of the match most no. of times in 2011-12 two consecutive years but Mike Hussey from CSK holds the record of highest no. of times man of the match in winning cause.

The background features a dark blue-grey field on the left, transitioning into a series of overlapping, semi-transparent green and yellow-green geometric shapes on the right. These shapes are primarily triangles and polygons, creating a layered, abstract effect.

Thank You