IPL VISUALISATION USING TABLEAU

By – Iranna Chatti

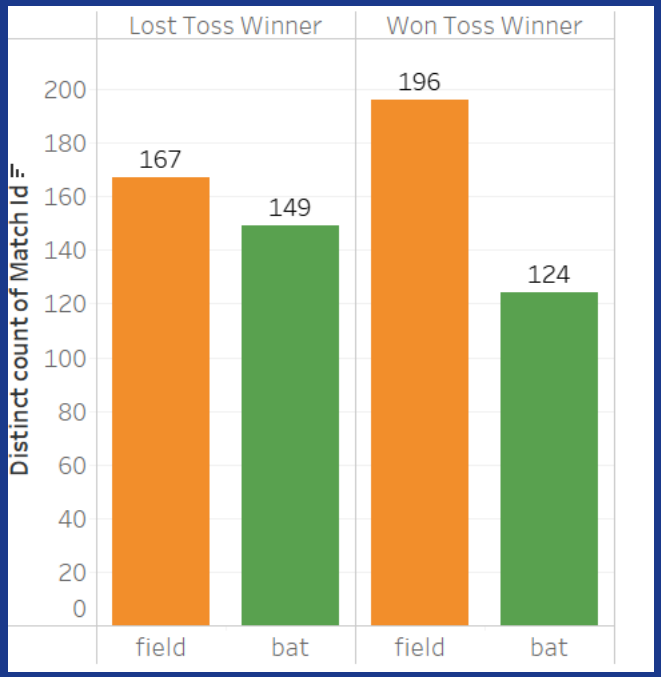
INDIAN
PREMIER
LEAGUE

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.

You work as a data analyst at **IFP**, a nationally recognized 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. The Sports Editor of the agency has approached you to build a 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 as 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. Therefore, you are expected to build an interactive dashboard in Tableau for this purpose

Match Statistics

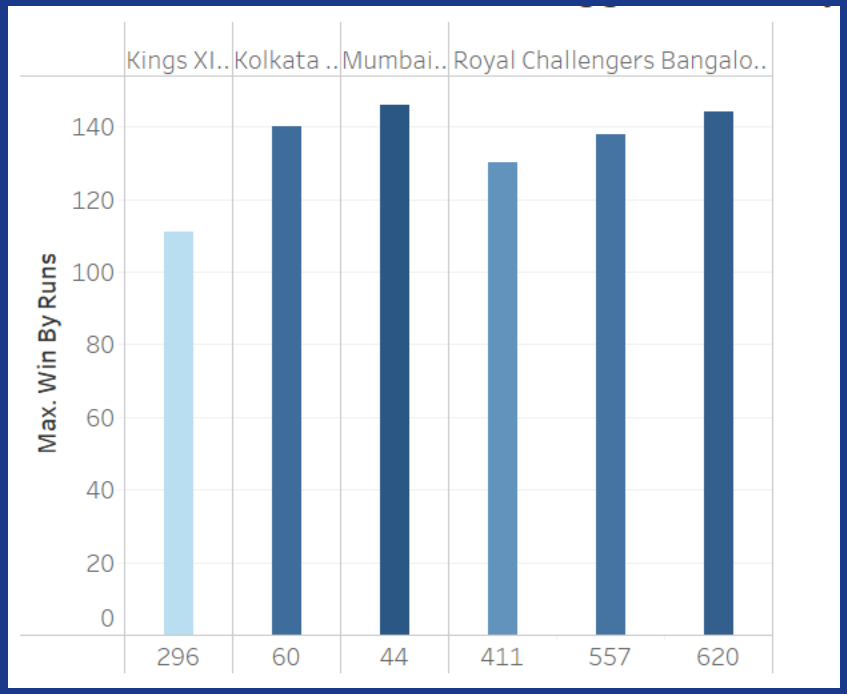


Toss outcome vs Match outcome

INSIGHTS

- Team Winning the TOSS and Choosing Fielding is Having highest Number of Wins Across the Venues.
- Losing the Toss and Goes To Field has the highest rate of wins for toss loser.
- Green bar represents field option chosen by Captain and orange represent Batting.

Match Statistics

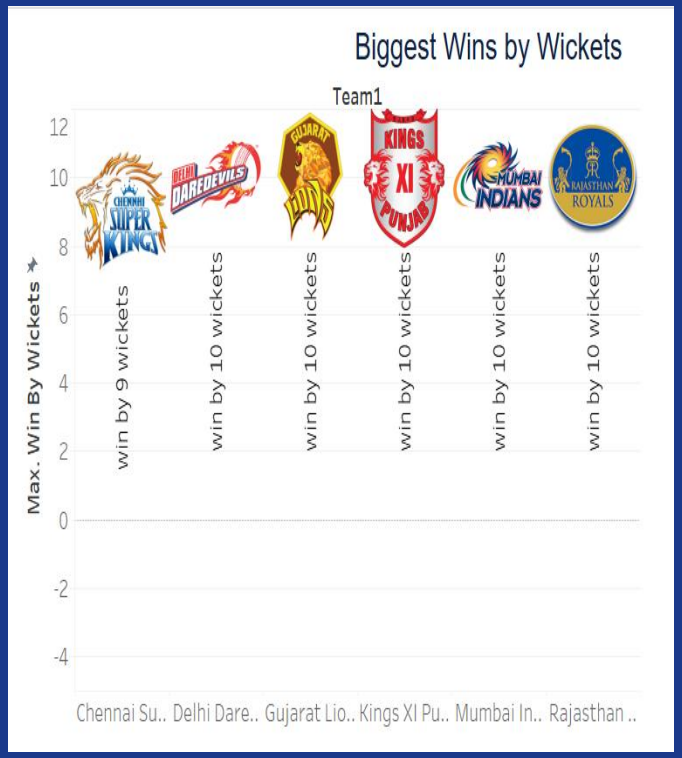


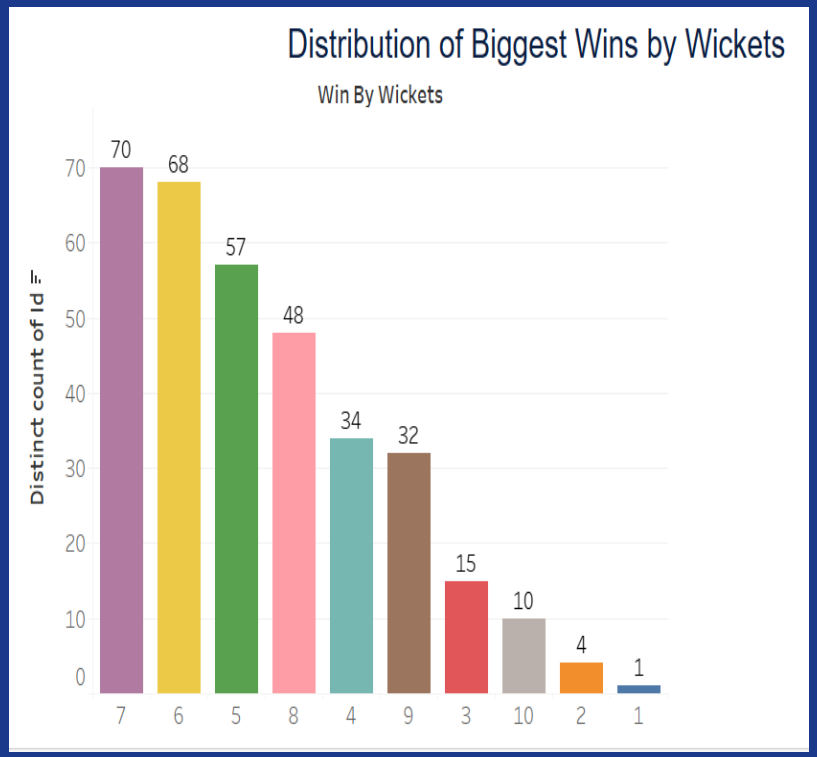
Biggest Wins By Runs

INSIGHTS

- Mumbai Indians top the charts with the Win against Delhi Daredevils 146 Runs
- Royal Challenger Bangalore registered three biggest wins in top 5 charts.

Biggest Wins by Wickets

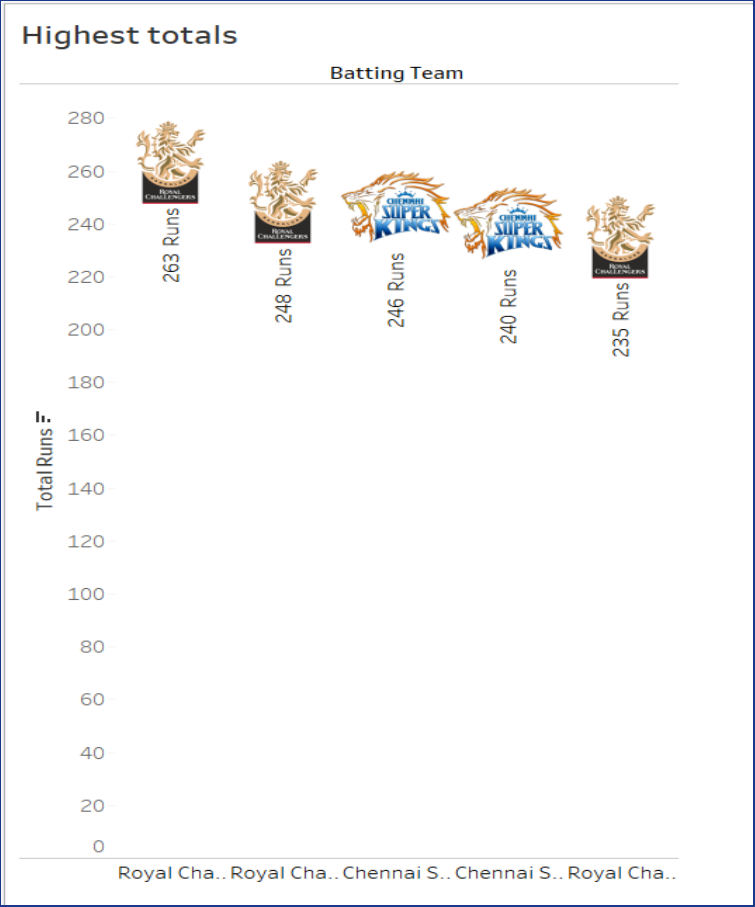




INSIGHTS

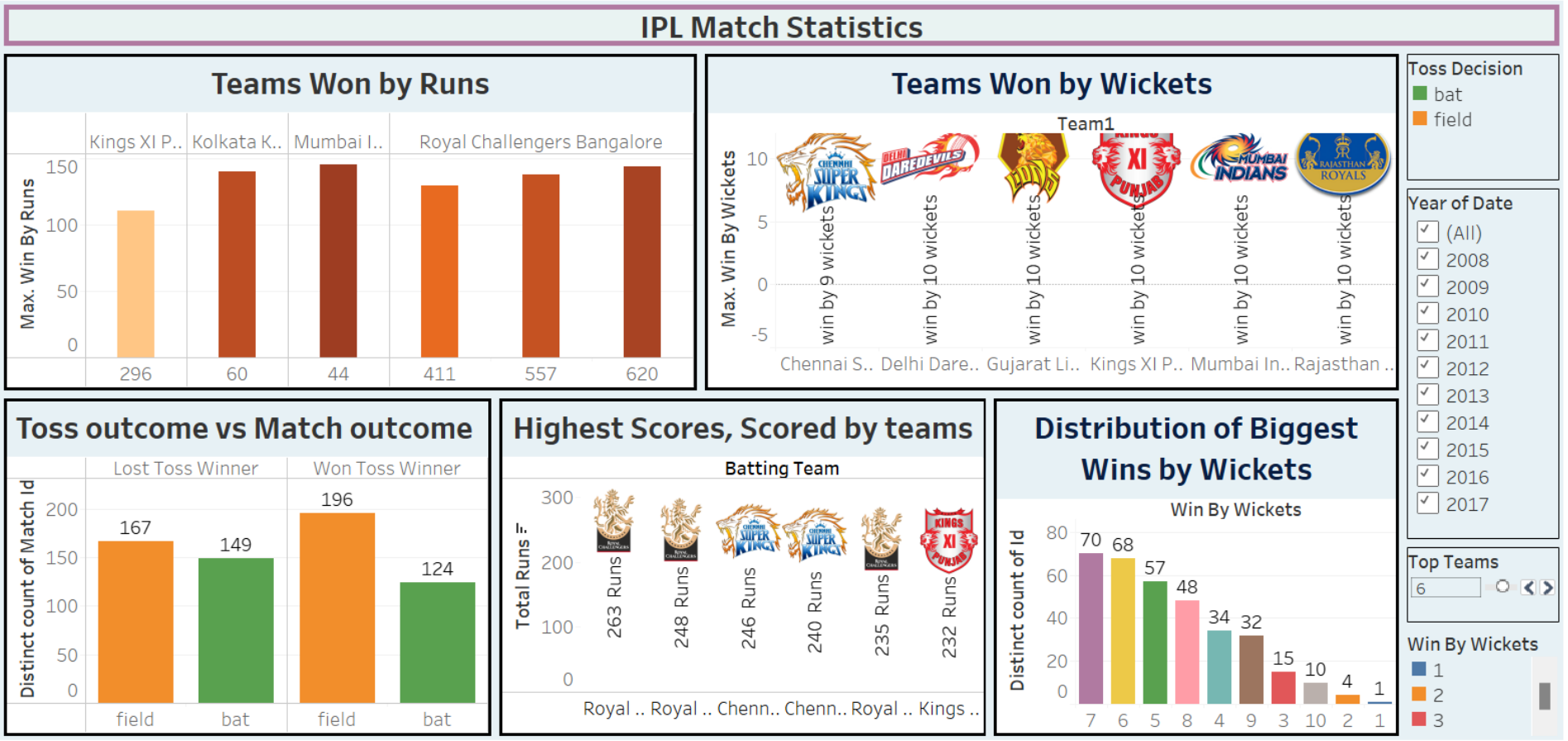
- As per data first biggest win by 10 wickets was registered by Delhi Daredevils.

Highest Totals



INSIGHTS

- Royal Challengers Bangalore scored highest runs 263
- Royal Challengers Bangalore is the first team to set 3 highest scores in season.
- Followed by Chennai Super kings with highest 246 Runs and secure second position in chart.

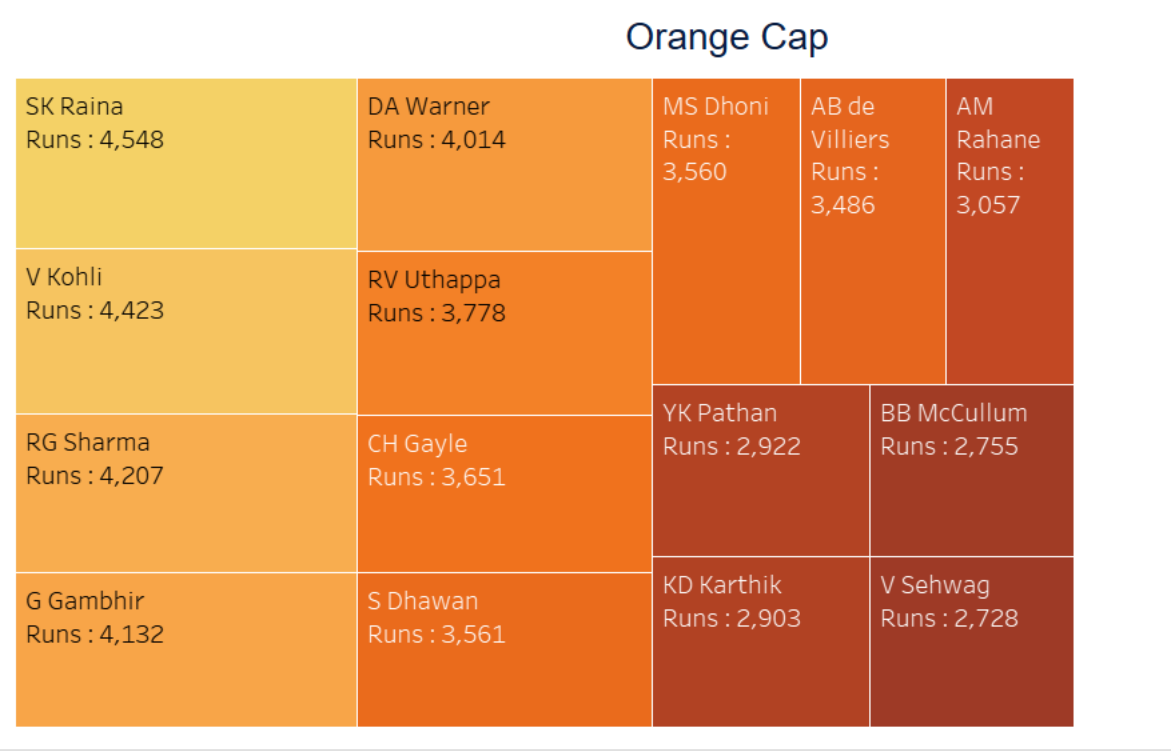


IPL Match Statistics

The Above Dashboard is showing Top Five in All Formats Performance.

We can Manipulated the Dashboard for particular season by Year and Selecting Top Teams Parameter

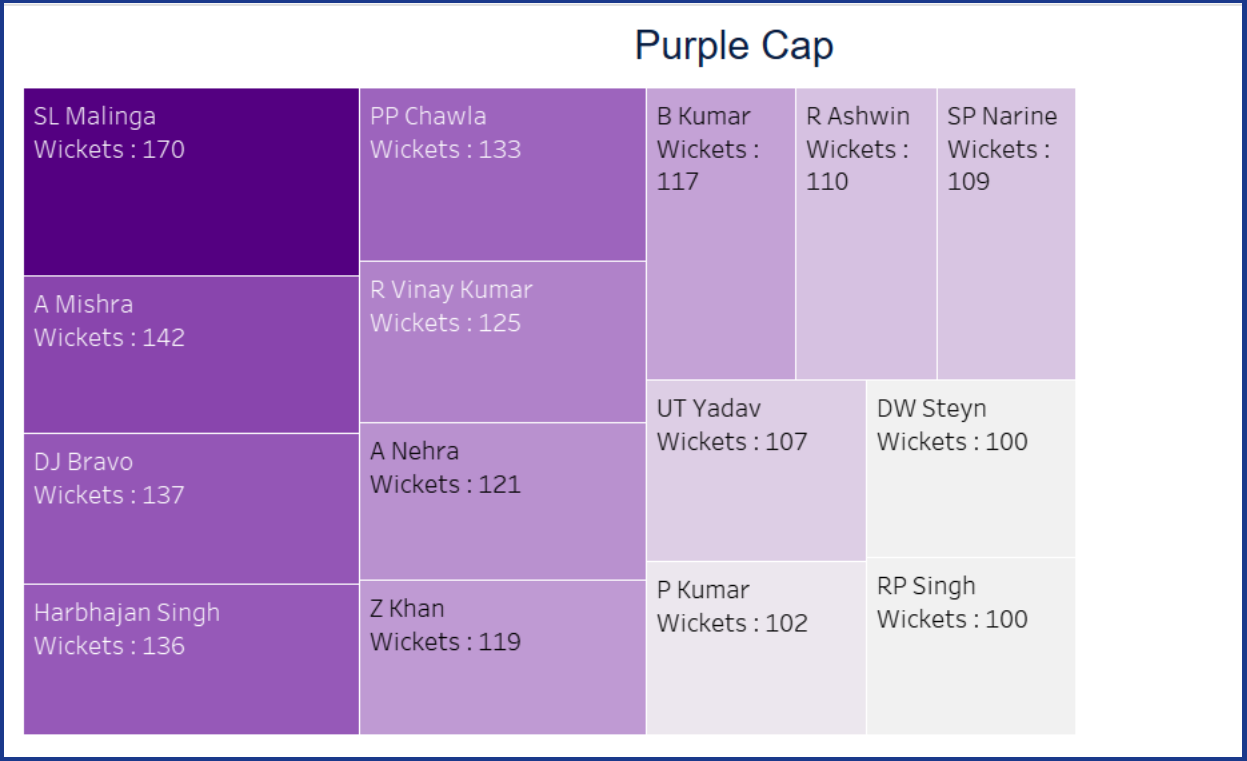
Orange Cap contenders



INSIGHTS

- **Suresh Raina is highest runner getter in the IPL followed by Virat Kohli, scored 4548 runs.**
- **For the batsman who have scored the maximum number of runs in a particular season we can filter it out with help of year filter and we can select top players from parameter TOP PLAYERS**

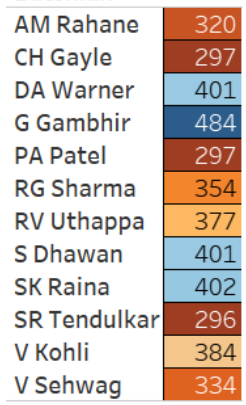
Purple Cap Contenders



INSIGHTS

- Lasith Maling is the Highest Wickets taker in the IPL with 170 and followed by A Mishra with 142.

Batsman with most number of Fours



Batsman	
AM Rahane	320
CH Gayle	297
DA Warner	401
G Gambhir	484
PA Patel	297
RG Sharma	354
RV Uthappa	377
S Dhawan	401
SK Raina	402
SR Tendulkar	296
V Kohli	384
V Sehwag	334

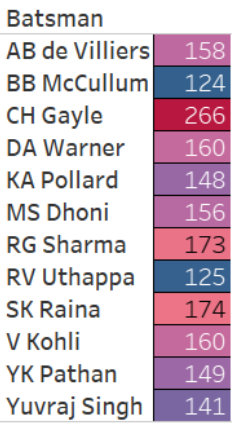
Batmen's with Most fours

INSIGHTS:

Goutam Gambhir is Hitted Highest Number Of Fours 484

Suresh Raina got second place for hitting Fours 402.

Batsmens with the most number of Sixes



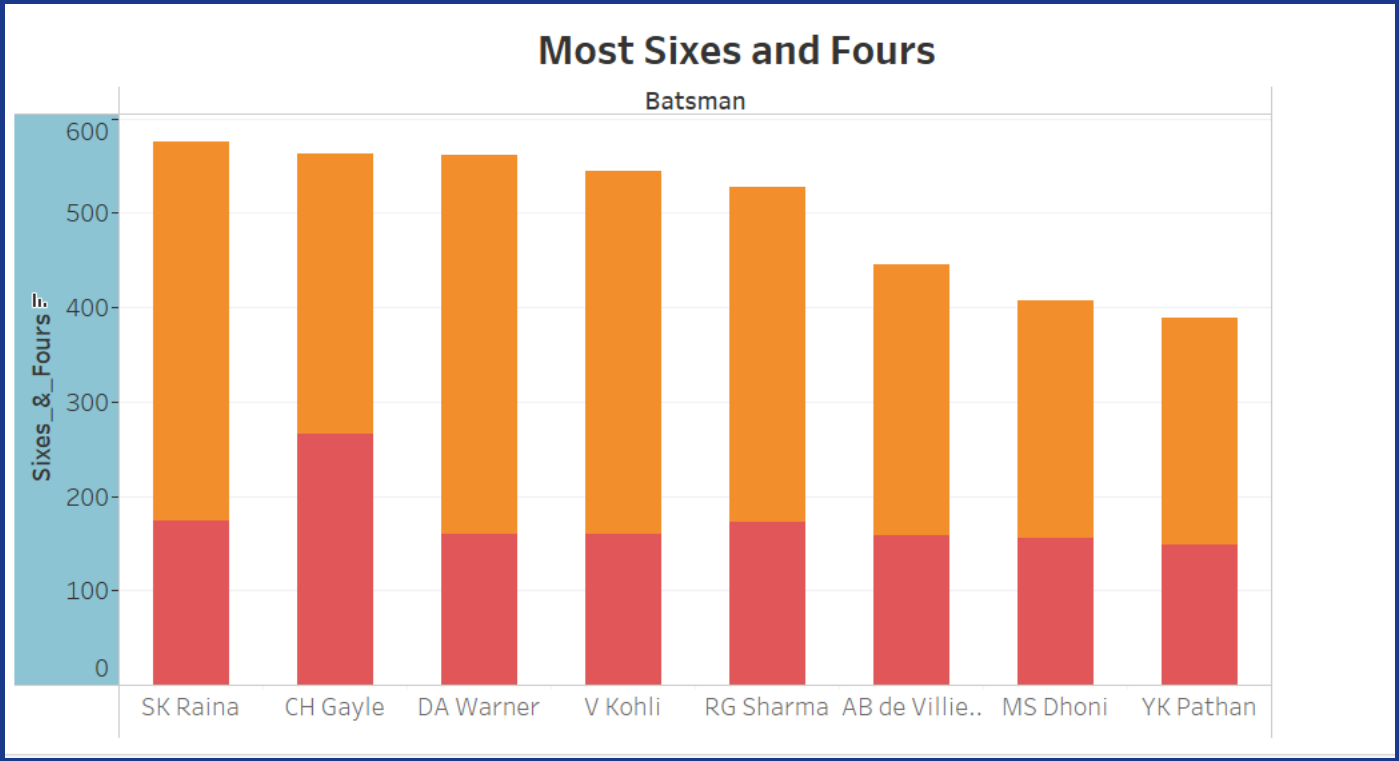
Batsman	
AB de Villiers	158
BB McCullum	124
CH Gayle	266
DA Warner	160
KA Pollard	148
MS Dhoni	156
RG Sharma	173
RV Uthappa	125
SK Raina	174
V Kohli	160
YK Pathan	149
Yuvraj Singh	141

Batmen’s With Most Sixes

INSIGHTS:

Chris Gayle is Hitted Highest Number of Sixes 266.

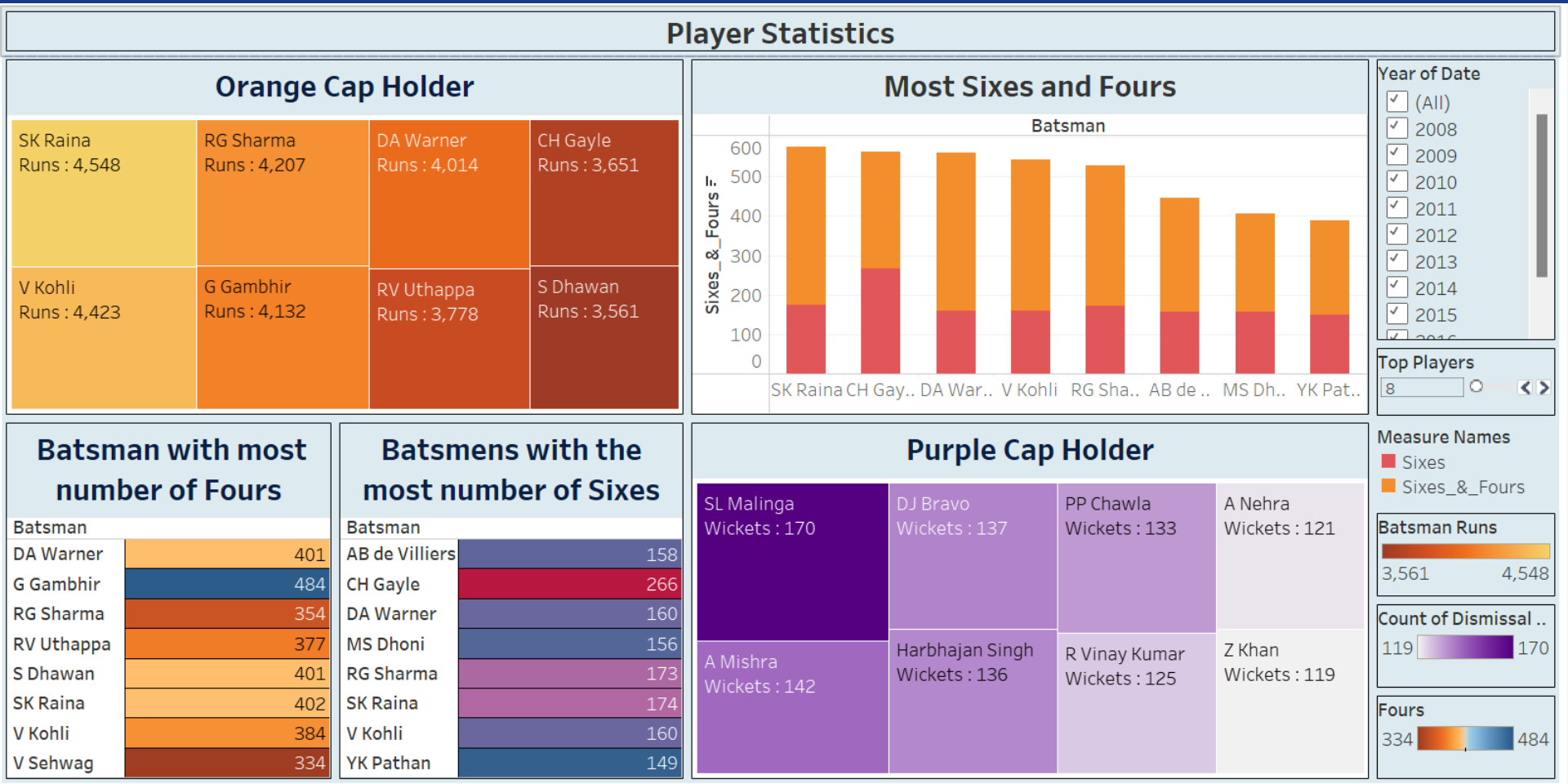
Suresh Raina Suresh Raina got second place for hitting Sixes 174 with neck to neck RG Sharma 173.



Overall data

INSIGHTS

- Suresh Raina is player with the most number of fours and sixes in the IPL and Gayle at second.
- Warner and Virat Kohli are just behind to achieve this goal.



PLAYER STATISTICS DASHBOARD

This Dashboard represent overall analysis of Player statistics and performance and achievement of orange cap, purple cap most fours and sixes hit by Player. All can be seen from this Dashboard.

Season-wise team performance (wins vs losses)

Team Performance (Season Wise)

Res..	Day of ..	Team2	Venue	Home_..	Toss_S..	First_i..	Player Of Match	Sixes	Fours	
Won	3 May ..	Deccan Charg..	M Chinnaswamy ..	Home	Lost	bat	P Kumar	9	30	A
	21 May..	Chennai Super..	MA Chidambara..	Away	Won	bat	A Kumble	3	24	A
	18 Apri..	Rajasthan Roy..	Newlands	NA	Won	bat	R Dravid	4	16	A
	1 May ..	Kings XI Punjab	Kingsmead	NA	Won	bat	Yuvraj Singh	9	24	A
	21 May..	Deccan Charg..	SuperSport Park	NA	Won	bat	MK Pandey	12	23	A
	23 Mar..	Chennai Super..	M Chinnaswamy ..	Home	Lost	bat	RV Uthappa	11	28	A
	29 Apri..	Pune Warriors	M Chinnaswamy ..	Home	Lost	bat	V Kohli	16	24	A
	6 May ..	Kings XI Punjab	M Chinnaswamy ..	Home	Lost	bat	CH Gayle	12	34	A
	27 May..	Mumbai India..	MA Chidambara..	NA	Lost	bat	CH Gayle	12	26	A
	7 April ..	Delhi Daredevi..	M Chinnaswamy ..	Home	Lost	bat	AB de Villiers	7	27	A
	23 Apri..	Rajasthan Roy..	Sawai Mansingh ..	Away	Lost	bat	AB de Villiers	7	32	A
	11 May..	Pune Warriors	Subrata Roy Sah..	Away	Lost	bat	CH Gayle	11	27	A
	17 May..	Delhi Daredevi..	Feroz Shah Kotla	Away	Lost	bat	CH Gayle	22	36	A
	4 April ..	Mumbai India..	M Chinnaswamy ..	Home	Lost	bat	CH Gayle	11	29	A
	23 Apri..	Pune Warriors	M Chinnaswamy ..	Home	Lost	bat	CH Gayle	24	36	A
	2 May ..	Pune Warriors	Subrata Roy Sah..	Away	Won	bat	AB de Villiers	17	26	A
	10 May..	Delhi Daredevi..	Feroz Shah Kotla	Away	Lost	bat	JD Unadkat	9	42	A
	18 May..	Chennai Super..	M Chinnaswamy ..	Home	Lost	bat	V Kohli	13	16	A
	13 May..	Delhi Daredevi..	M Chinnaswamy ..	Home	Lost	bat	Yuvraj Singh	20	22	A
	6 May ..	Kings XI Punjab	M Chinnaswamy ..	Home	Lost	bat	CH Gayle	21	22	A
	10 May..	Mumbai India..	Wankhede Stadi..	Away	Won	bat	AB de Villiers	20	41	A
	20 May..	Rajasthan Roy..	Maharashtra Cri..	NA	Won	bat	AB de Villiers	8	26	A

The above table is having particular Team performance in season wise.

The above table is breakdown by Result status showing two Category Won and lost with details of matches.

Winning Percentage %

Year of..	Away Royal Challen..	Home Royal Challen..
2008	52.78%	20.96%
2010	0.00%	49.90%
2011		67.49%
2012	74.52%	32.80%
2013	33.20%	71.45%
2014	0.00%	34.44%
2015	100.00%	36.74%
2016	50.86%	47.98%
2017	67.03%	26.99%

Win %age (Away vs Home)

The above table is showing the winning percentage of the team if team played in home ground or Away

The above table is representing the Royal Challengers Bengaluru Winning percentage

- In 2015 team Having 100% in Away
- In 2012 team wins 74% in Away

Team Statistics

Winning Percentage %

Year of..	Away Royal Challen..	Home Royal Challen..
2008	52.78%	20.96%
2010	0.00%	49.90%
2011		67.49%
2012	74.52%	32.80%
2013	33.20%	71.45%
2014	0.00%	34.44%
2015	100.00%	36.74%
2016	50.86%	47.98%
2017	67.03%	26.99%

Year of Date

- [x] (All)
- [x] 2008
- [x] 2009
- [x] 2010
- [x] 2011
- [x] 2012
- [x] 2013
- [x] 2014
- [x] 2015
- [x] 2016
- [x] 2017

Winning_Percen..

0.00% 1

Teams

Royal Challen...

Team Performance (Season Wise)

Res..	Day of Date	Team2	Venue	Home_..	Toss_S..	First_i..	Player Of Match	Sixes	Fours	
Won	3 May 2008	Deccan Chargers	M Chinnaswamy ..	Home	Lost	bat	P Kumar	9	30	Abc
	21 May 2008	Chennai Super Ki..	MA Chidambara..	Away	Won	bat	A Kumble	3	24	Abc
	18 April 2009	Rajasthan Royals	Newlands	NA	Won	bat	R Dravid	4	16	Abc
	1 May 2009	Kings XI Punjab	Kingsmead	NA	Won	bat	Yuvraj Singh	9	24	Abc
	21 May 2009	Deccan Chargers	SuperSport Park	NA	Won	bat	MK Pandey	12	23	Abc
	23 March 2010	Chennai Super Ki..	M Chinnaswamy ..	Home	Lost	bat	RV Uthappa	11	28	Abc
	29 April 2011	Pune Warriors	M Chinnaswamy ..	Home	Lost	bat	V Kohli	16	24	Abc
	6 May 2011	Kings XI Punjab	M Chinnaswamy ..	Home	Lost	bat	CH Gayle	12	34	Abc
	27 May 2011	Mumbai Indians	MA Chidambara..	NA	Lost	bat	CH Gayle	12	26	Abc
	7 April 2012	Delhi Daredevils	M Chinnaswamy ..	Home	Lost	bat	AB de Villiers	7	27	Abc
	23 April 2012	Rajasthan Royals	Sawai Mansingh ..	Away	Lost	bat	AB de Villiers	7	32	Abc
	11 May 2012	Pune Warriors	Subrata Roy Sah..	Away	Lost	bat	CH Gayle	11	27	Abc
	17 May 2012	Delhi Daredevils	Feroz Shah Kotla	Away	Lost	bat	CH Gayle	22	36	Abc
	4 April 2013	Mumbai Indians	M Chinnaswamy ..	Home	Lost	bat	CH Gayle	11	29	Abc
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	2 May 2013	Pune Warriors	Subrata Roy Sah..	Away	Won	bat	AB de Villiers	17	26	Abc
	10 May 2013	Delhi Daredevils	Feroz Shah Kotla	Away	Lost	bat	JD Unadkat	9	42	Abc
	18 May 2013	Chennai Super Ki..	M Chinnaswamy ..	Home	Lost	bat	V Kohli	13	16	Abc
	13 May 2014	Delhi Daredevils	M Chinnaswamy ..	Home	Lost	bat	Yuvraj Singh	20	22	Abc
	6 May 2015	Kings XI Punjab	M Chinnaswamy ..	Home	Lost	bat	CH Gayle	21	22	Abc
	10 May 2015	Mumbai Indians	Wankhede Stadi..	Away	Won	bat	AB de Villiers	20	41	Abc
	20 May 2015	Rajasthan Royals	Maharashtra Cri..	NA	Won	bat	AB de Villiers	8	26	Abc
	12 April 2016	Sunrisers Hyder..	M Chinnaswamy ..	Home	Lost	bat	AB de Villiers	23	35	Abc
	22 April 2016	Rising Pune Sup..	Maharashtra Cri..	Away	Lost	bat	AB de Villiers	10	30	Abc
	9 May 2016	Kings XI Punjab	Punjab Cricket A..	Away	Lost	bat	SR Watson	5	34	Abc
	14 May 2016	Gujarat Lions	M Chinnaswamy ..	Home	Lost	bat	AB de Villiers	22	26	Abc
	18 May 2016	Kings XI Punjab	M Chinnaswamy ..	Home	Lost	bat	V Kohli	20	31	Abc
	8 April 2017	Delhi Daredevils	M Chinnaswamy ..	Home	Won	bat	KM Jadhav	12	24	Abc
	18 April 2017	Gujarat Lions	Saurashtra Crick..	Away	Lost	bat	CH Gayle	25	29	Abc
	14 May 2017	Delhi Daredevils	Feroz Shah Kotla	Away	Won	bat	HV Patel	13	24	Abc
Lost	26 April 2008	Rajasthan Royals	M Chinnaswamy ..	Home	Lost	bat	SR Watson	9	34	Abc
	5 May 2008	Kings XI Punjab	M Chinnaswamy ..	Home	Lost	bat	S Sreesanth	4	28	Abc
	12 May 2008	Kings XI Punjab	Punjab Cricket A..	Away	Won	bat	SE Marsh	9	25	Abc

Team Statistics Dashboard

The above Dashboard showing insights for the Royal Challengers Bengaluru for all Seasons

CONCLUSIONS

- Team Winning the TOSS And Choosing Fielding is Having highest Number of Wins Across the Venues
- Mumbai Indians top the charts With the Win against Delhi Daredevils by All time Huge margin of 146 Runs
- Followed By Royal Challenger Bangalore registered three biggest wins at the top 5 chart and Kolkata Knight riders registered 1 biggest win by runs.
- first biggest win by 10 wickets was registered by Delhi Daredevils 7 wickets wins registered Most of the times in IPL History.
- Royal Challengers Bangalore Leads the chart with 263 Runs and RCB has 3 highest Totals in IPL history and in top 5 chart got 3 highest totals and Chennai Super kings with highest 246Runs and got 2 spots among top 5 chart.
- Suresh Raina is highest runner getter in the IPL followed by Virat kohli.
- For the batsman who have scored the maximum number of runs in a particular season we can filter it out with help of year filter and we can select top N players from parameter TOP PLAYERS.
- Lasith Maling is the Highest Wickets getter in the IPL and followed by A Mishra.
- Chris Gayle having Highest Number of Sixes and Goutam Gambhir is Having Highest Number Of Fours.
- Royal challengers is the team to score highest and the lowest score.