



**INDIAN[®]
PREMIER
LEAGUE**



IPL VISUALISATION ASSIGNMENT



**CONSOLIDATE DATA FOR ALL
SEASONS 2008 - 2018**

By Paramesh E



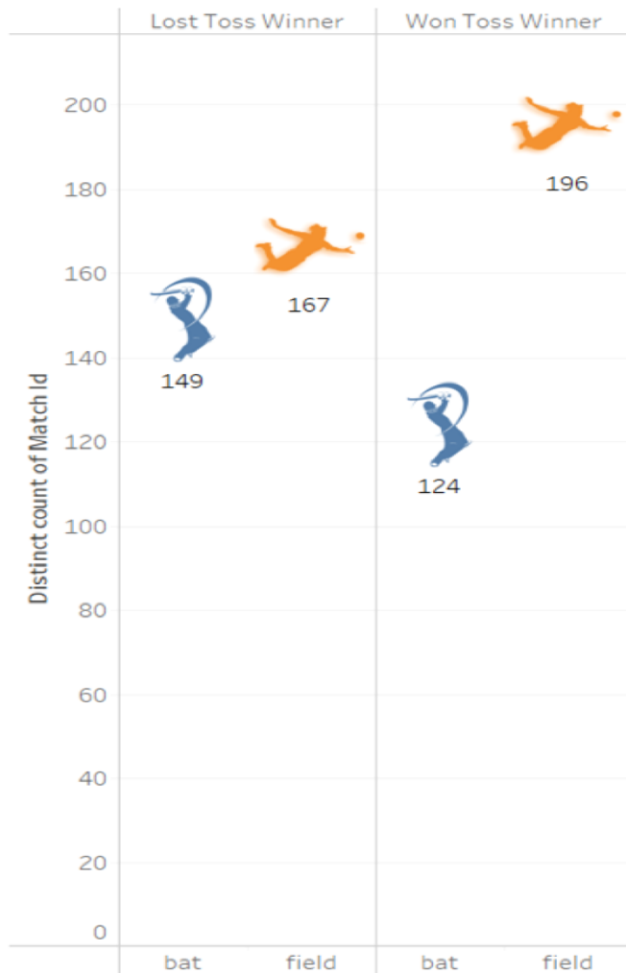
Problem Statement

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



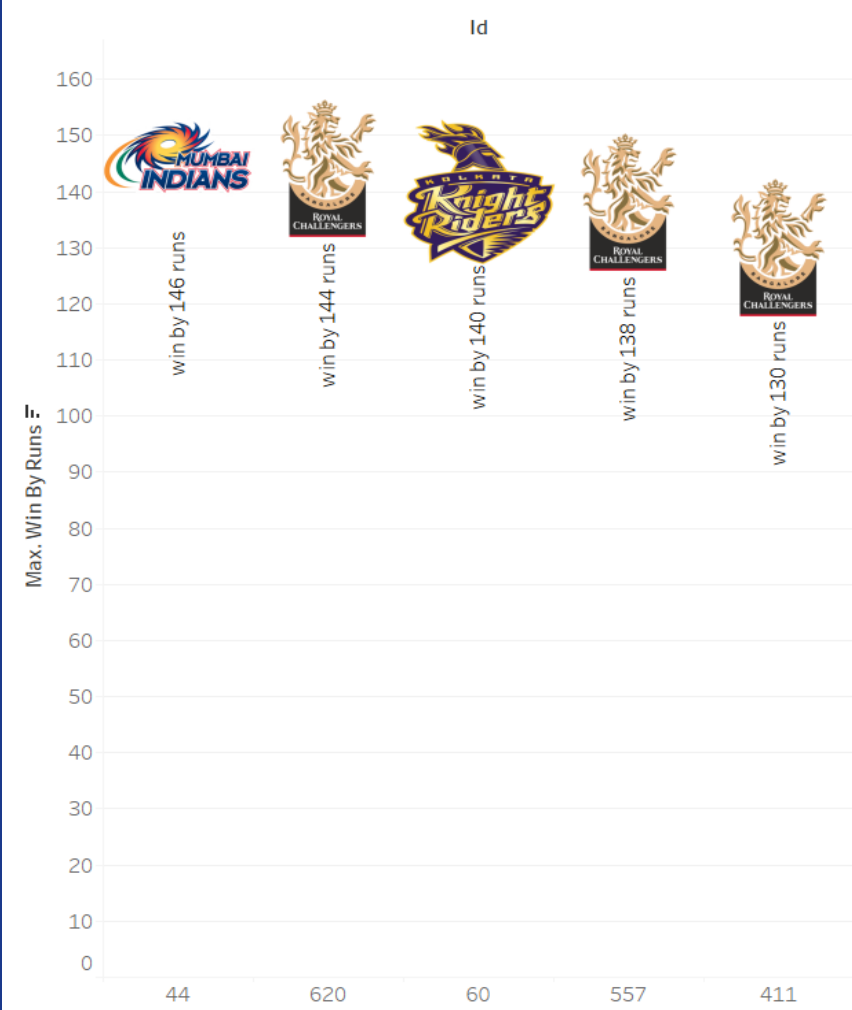
Toss outcome vs Match outcome
(for each Ground/Venue)

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
- Bating first having less winning rate as compared to fielding first for all venues

Match Statistics

Biggest Wins By Runs



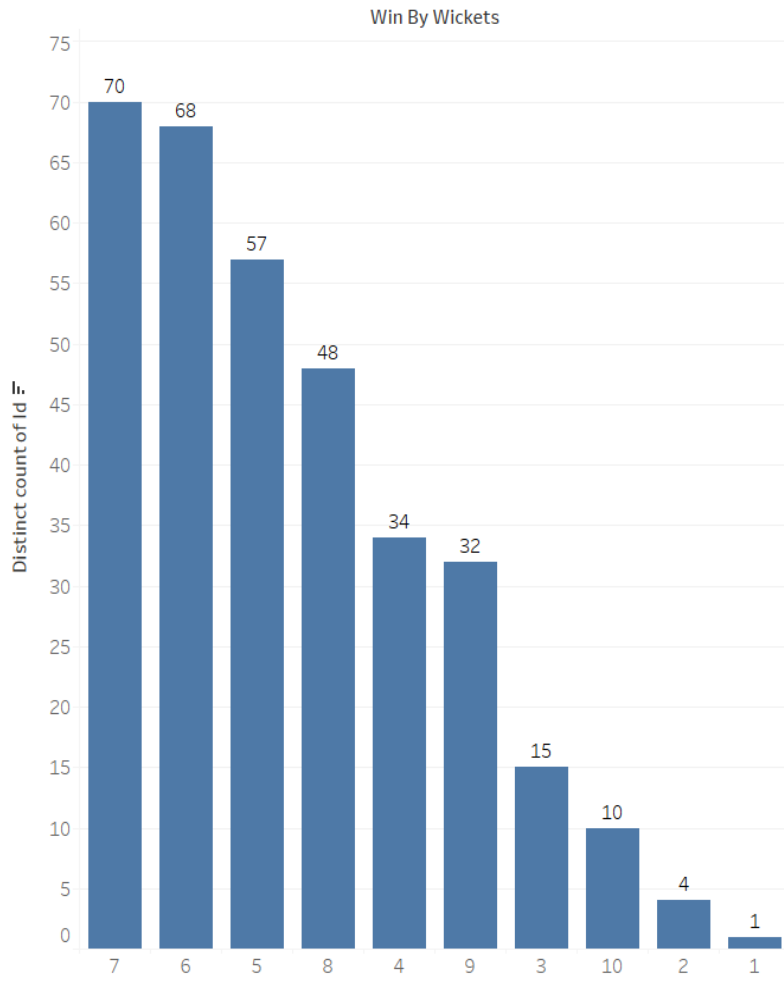
Biggest Wins By Runs

INSIGHTS

- 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
- Kolkata Knight riders registered 1 biggest win by runs

Biggest Wins by Wickets

Distribution of Biggest Wins by Wickets



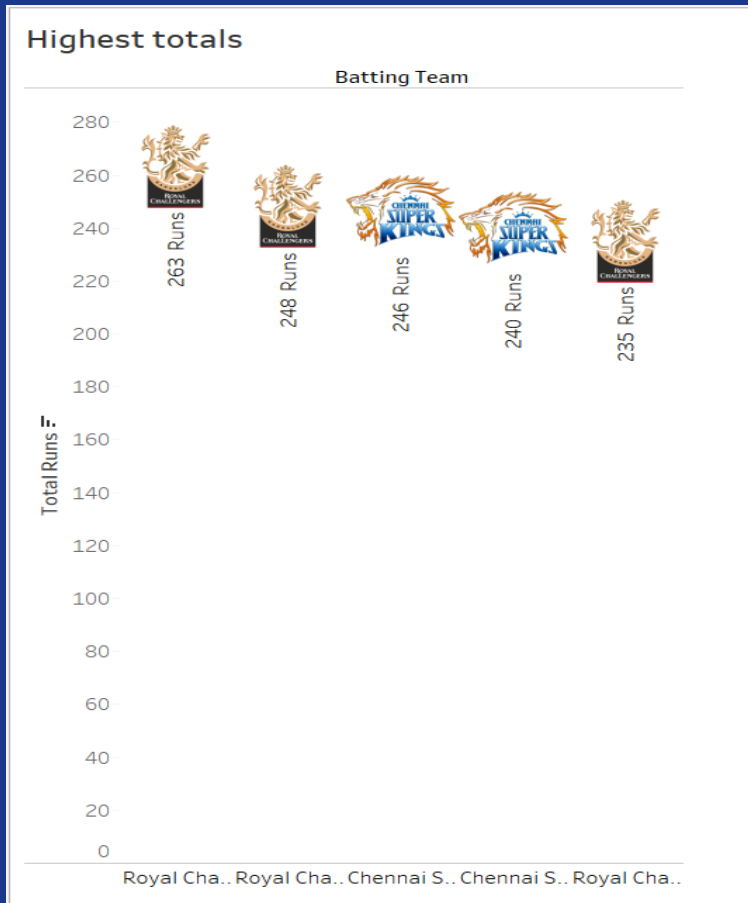
Biggest Wins by Wickets



INSIGHTS

- As per data first biggest win by 10 wickets was registered by Delhi Daredevils
- 7 wickets wins registered Most of the times in IPL History

Highest Totals

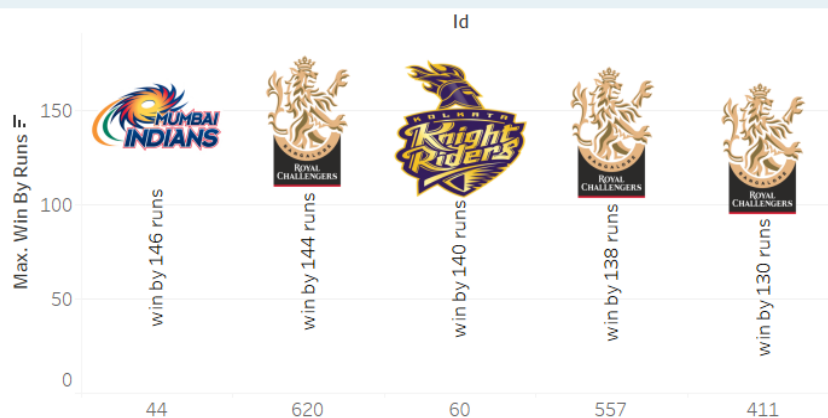


INSIGHTS

- Royal Challengers Bangalore Leads the chart with 263 Runs
- Royal Challengers Registered 3 highest Totals in IPL history and in top 5 chart got 3 highest totals
- Followed by Chennai Super kings with highest 246Runs and got 2 spots among top 5 chart

IPL Match Statistics

Biggest Wins By Runs



Highest totals



Toss Decision

bat
field

Toss Decision

bat
field

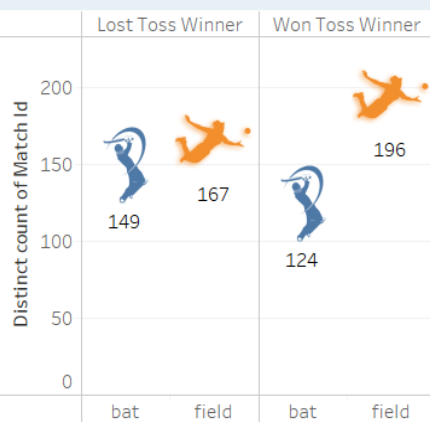
Year of Date

☒ (All)
☒ 2008
☒ 2009
☒ 2010
☒ 2011
☒ 2012
☒ 2013
☒ 2014
☒ 2015
☒ 2016
☒ 2017

Top Teams

5

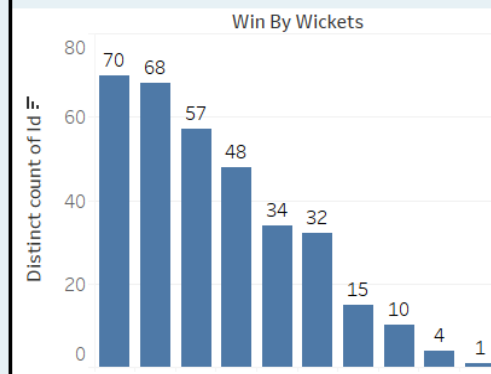
Toss outcome vs Match outcome



Biggest Wins by Wickets



Distribution of Biggest Wins by Wickets



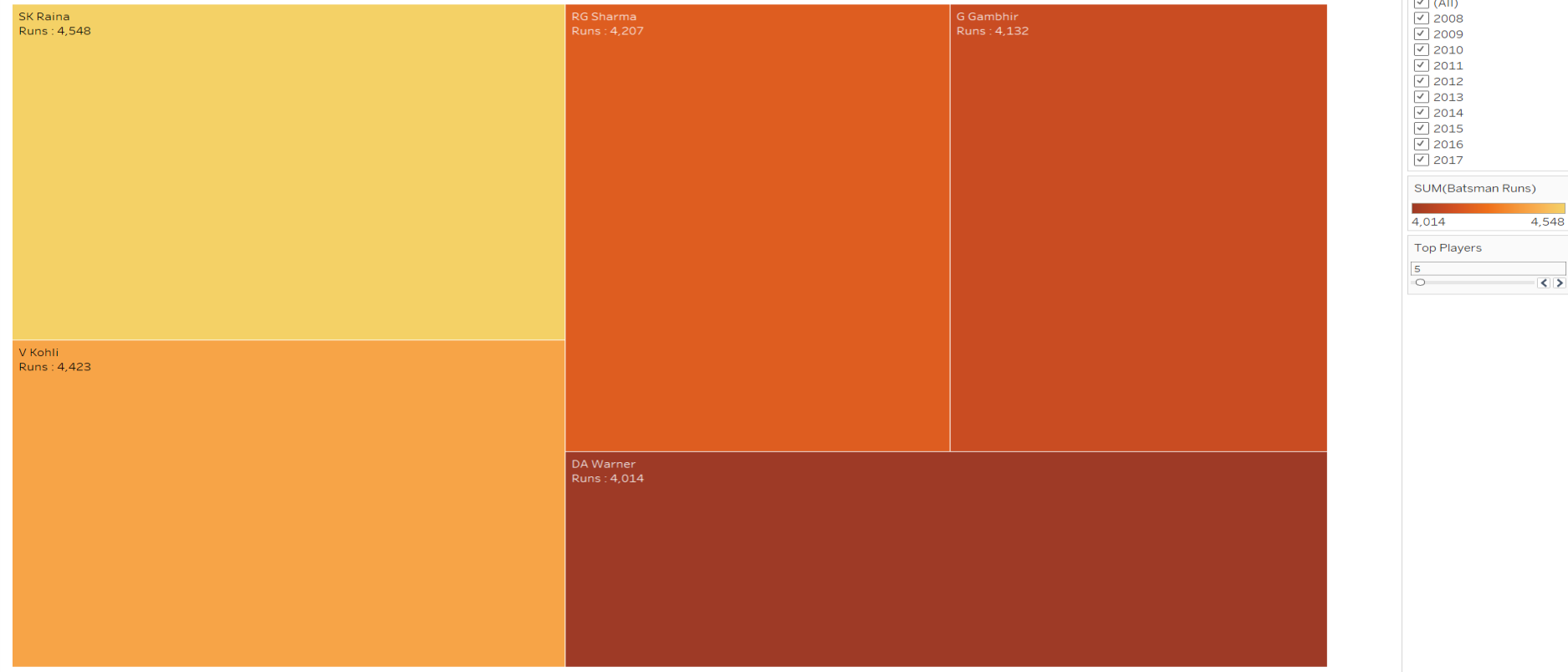
IPL Match Statistics

The Above Dashboard is showing Top Five in All Formats Performance among from 2008 to 2018
 We can Manipulated the Dashboard for particular season by Year and Selecting Top Teams Parameter



Orange Cap contenders

Orange Cap contenders



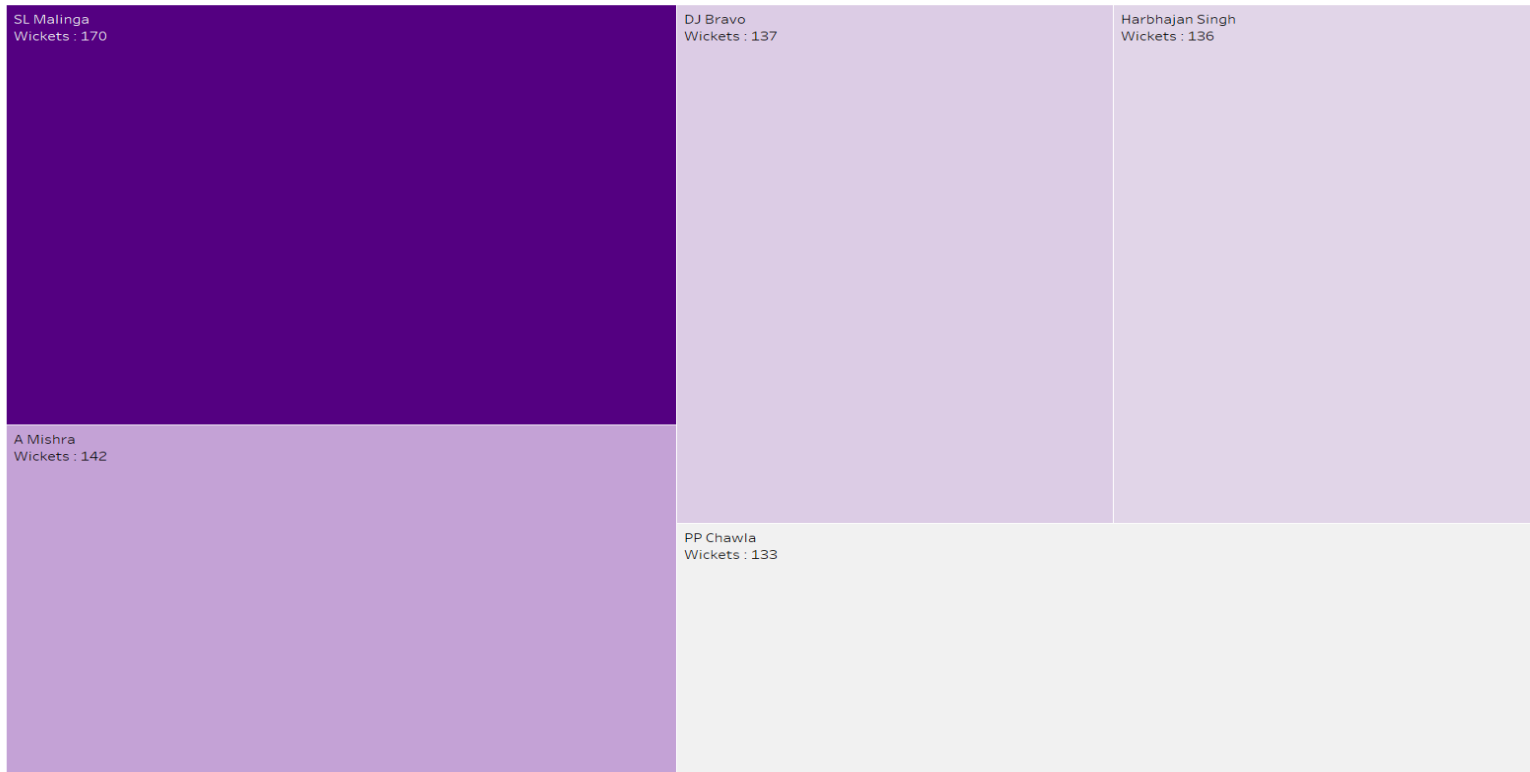
INSIGHTS

- 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



Purple Cap Contenders

Purple Cap contenders



YEAR(Date)

☒ (All)
☒ 2008
☒ 2009
☒ 2010
☒ 2011
☒ 2012
☒ 2013
☒ 2014
☒ 2015
☒ 2016
☒ 2017

CNT(Dismisal Kind)

133 170

Top Players

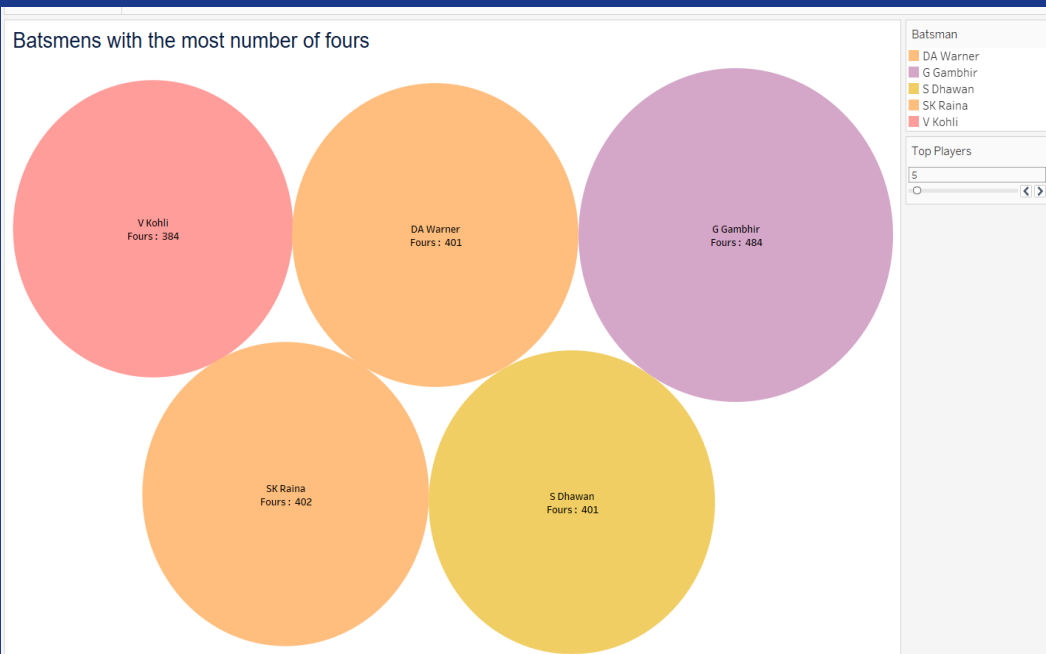
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win by runs win by wickets distributionWickets highest totals MATCH STATISTICS orange cap holders **Purple cap Holders** Most Fours Most Sixs most4s&6s PLAYER STATISTICS teamPerformance Winning percentage TE

INSIGHTS

- Lasith Malinga is the Highest Wickets getter in the IPL and followed by A Mishra
- 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

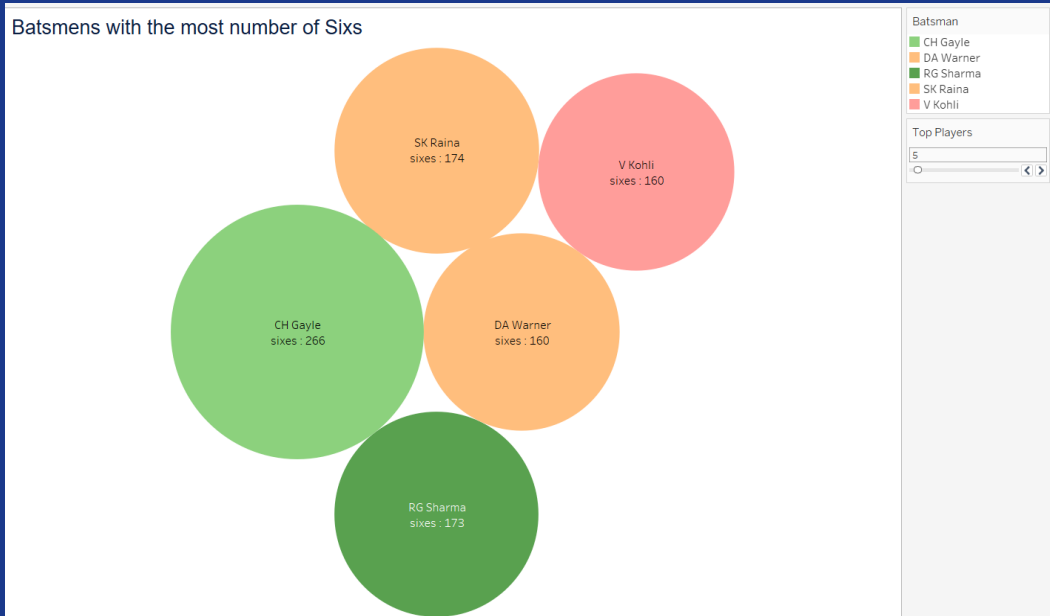


Batmen's with Most fours

INSIGHTS:

Goutam Gambhir is Hitted Highest Number Of Fours

Suresh Raina got second place for hitting Fours

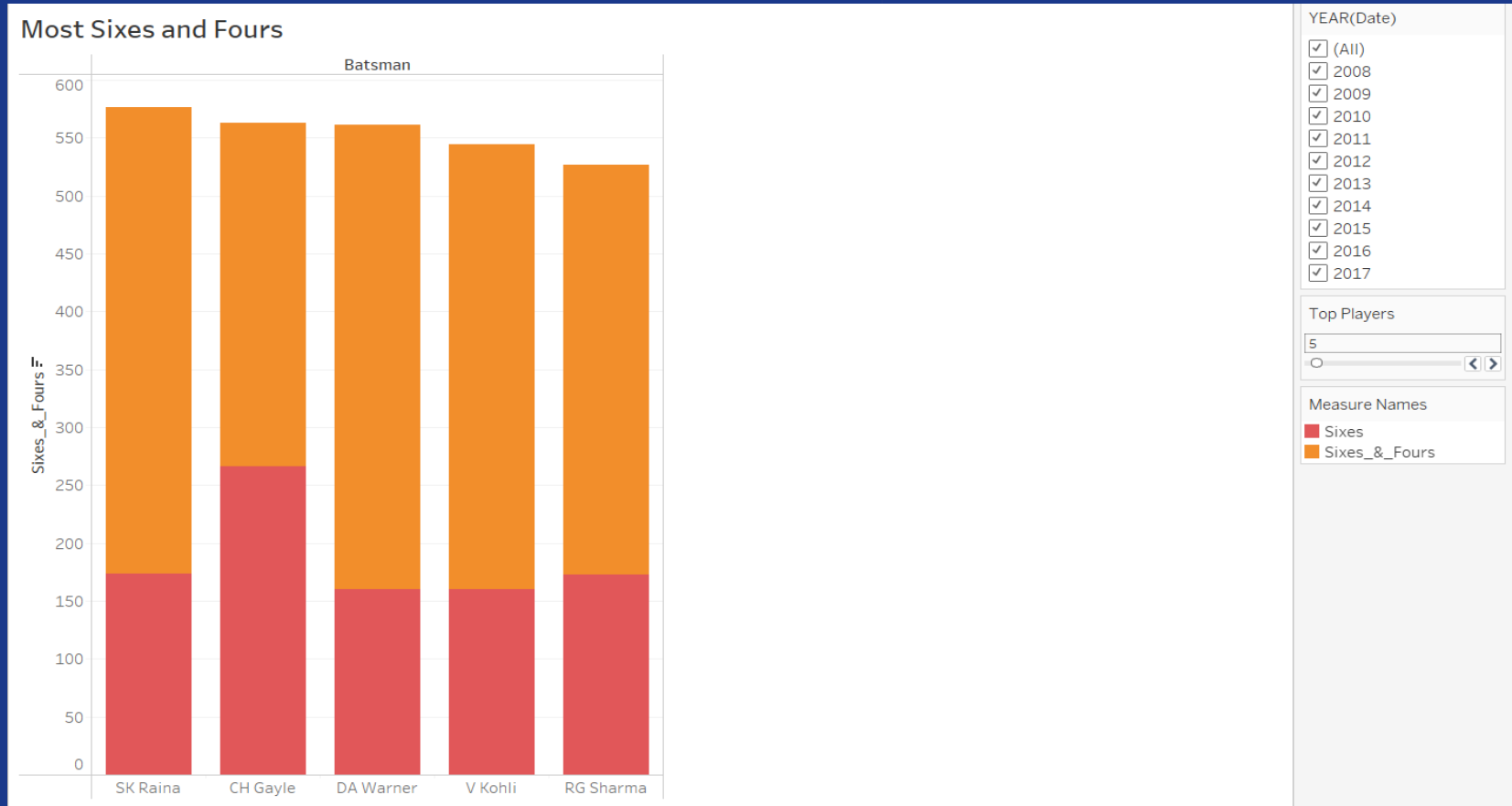


Batmen's With Most Sixes

INSIGHTS:

Chris Gayle is Hitted Highest Number of Sixes and

Suresh Raina Suresh Raina got second place for hitting Sixes



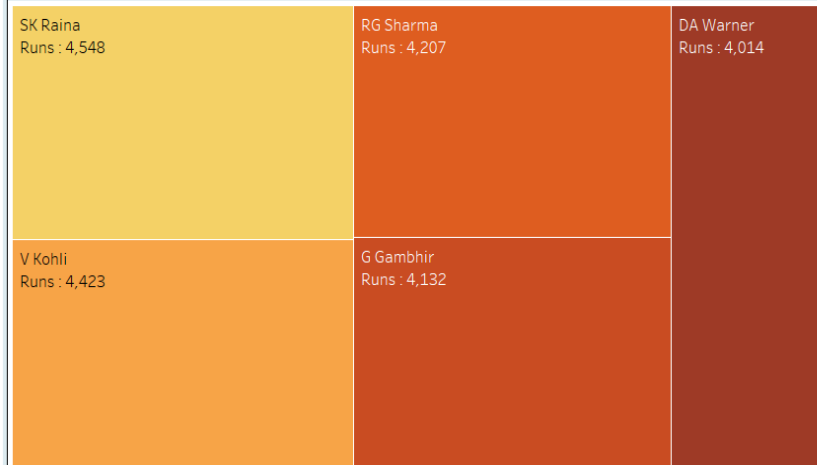
Batsmen who have hit the most number of fours and sixes (per season and overall)

INSIGHTS

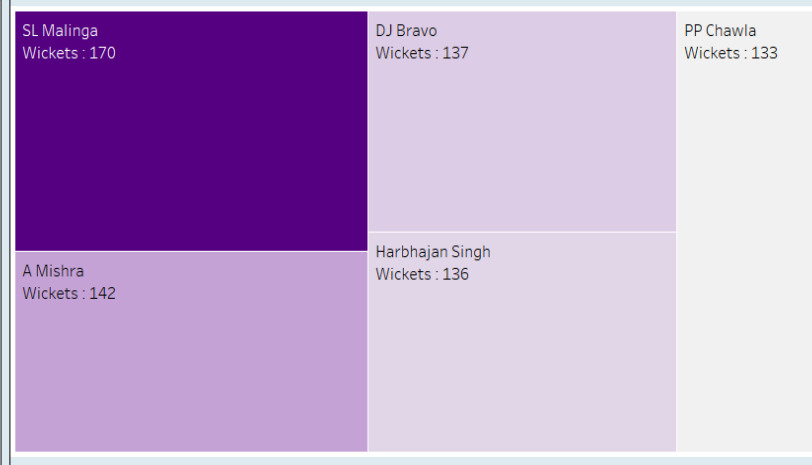
- Suresh Raina is player with the most number of fours and sixes in the IPL and followed by Chris Gayle
- For the batsman who have the most number of fours and sixes in a particular season we can filter it out with help of year filter and we can select top N players from parameter TOP PLAYERS

Player Statistics

Orange Cap contenders



Purple Cap contenders



Year of Date

☒ (All)

☒ 2008

☒ 2009

☒ 2010

☒ 2011

☒ 2012

☒ 2013

☒ 2014

☒ 2015

☒ 2016

☒ 2017

Top Players

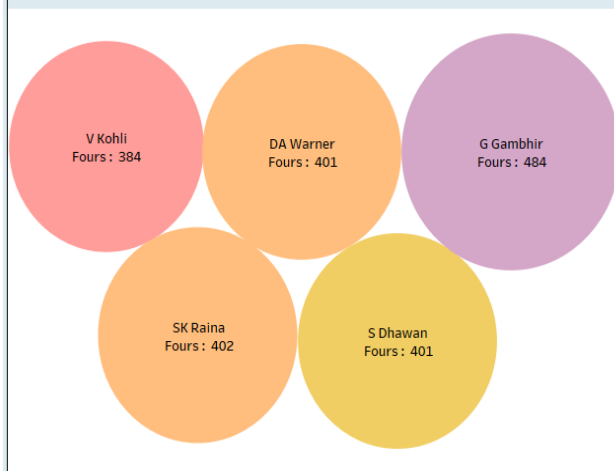
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Measure Names

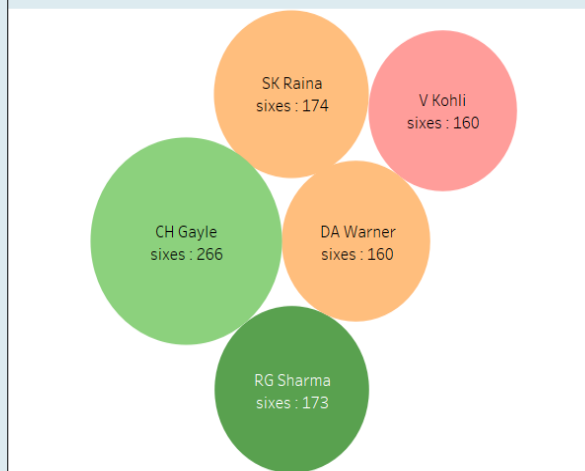
☒ Sixes

☒ Sixes_&_Fours

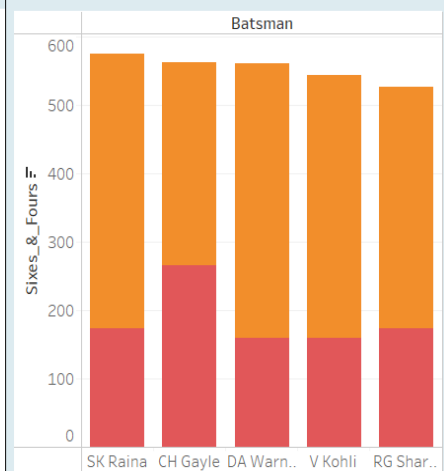
Batsmen with the most number of fours



Batsmen with the most number of Sixs



Most Sixes and Fours



Batsman Runs

4,014 4,548

Count of Dismissal Kind

133 170

Batsman

☒ DA Warner

☒ G Gambhir

☒ S Dhawan

☒ SK Raina

☒ V Kohli

PLAYER STATISTICS DASHBOARD

For the Players who have Performed Excellent in a particular Formats in particular season we can filter it out Using the “Year of Date” filter and we can select top N players from parameter TOP PLAYERS



Season-wise team performance (wins vs losses)

Season-wise team performance

Resu...	Day of Date	Team2	Venue	Home_vs..	Toss_Sta..	First_inn..	Player Of M..	Sixes	Fours	
Won	April 12, 2016	Sunrisers Hyderabad	M Chinnaswamy Sta..	Home	Lost	bat	AB de Villiers	23	35	Abc
	April 22, 2016	Rising Pune Supergi..	Maharashtra Cricket..	Away	Lost	bat	AB de Villiers	10	30	Abc
	May 9, 2016	Kings XI Punjab	Punjab Cricket Asso..	Away	Lost	bat	SR Watson	5	34	Abc
	May 14, 2016	Gujarat Lions	M Chinnaswamy Sta..	Home	Lost	bat	AB de Villiers	22	26	Abc
	May 18, 2016	Kings XI Punjab	M Chinnaswamy Sta..	Home	Lost	bat	V Kohli	20	31	Abc
Lost	April 17, 2016	Delhi Daredevils	M Chinnaswamy Sta..	Home	Lost	bat	Q de Kock	11	41	Abc
	April 20, 2016	Mumbai Indians	Wankhede Stadium	Away	Lost	bat	RG Sharma	15	28	Abc
	April 24, 2016	Gujarat Lions	Saurashtra Cricket A..	Away	Won	bat	V Kohli	9	33	Abc
	May 2, 2016	Kolkata Knight Riders	M Chinnaswamy Sta..	Home	Lost	bat	AD Russell	16	31	Abc
	May 11, 2016	Mumbai Indians	M Chinnaswamy Sta..	Home	Lost	bat	KH Pandya	17	17	Abc

YEAR(Date)

☐ (All)

☐ 2008

☐ 2009

☐ 2010

☐ 2011

☐ 2012

☐ 2013

☐ 2014

☐ 2015

☒ 2016

☐ 2017

Teams

Royal Challengers Bang... ▼

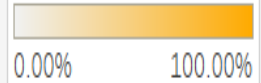
The above table is having particular Team performance for particular season
We can manipulates the above table by Year filter and selecting particular team for the results

The above table is breakdown by Result status showing two Category Won and lost followed by Further information of the matches

Winning Percentage

Year of D..	Home_vs_Away / Team1	
	Away	Home
	Royal Challengers Ba..	Royal Challengers Ba..
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%

AGG(Winning_Percentat...



Teams

Royal Challengers Bang... ▼

Win %age (home vs away)

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% Winning Percentage in home Ground
- In 2013 team wins 70% of the matches when its played Away from the Home

We can Select Team Accordingly From TEAMS Parameter to see the Home Vs Away winning percentage of team



Winning Percentage

Year of D...	Home_vs_Away / Team1	
	Away	Home
	Royal Chall...	Royal Chall...
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%

Season-wise team performance

Resu.. i	Day of Date	Team2	Venue	Home_vs..	Toss_Sta..	First_inn..	Player Of Match	Sixes	Fours	
Won	May 3, 2008	Deccan Chargers	M Chinnaswamy Sta..	Home	Lost	bat	P Kumar	9	30	Abc
	May 21, 2008	Chennai Super Kings	MA Chidambaram St..	Away	Won	bat	A Kumble	3	24	Abc
	April 18, 2009	Rajasthan Royals	Newlands	NA	Won	bat	R Dravid	4	16	Abc
	May 1, 2009	Kings XI Punjab	Kingsmead	NA	Won	bat	Yuvraj Singh	9	24	Abc
	May 21, 2009	Deccan Chargers	SuperSport Park	NA	Won	bat	MK Pandey	12	23	Abc
	March 23, 2010	Chennai Super Kings	M Chinnaswamy Sta..	Home	Lost	bat	RV Uthappa	11	28	Abc
	April 29, 2011	Pune Warriors	M Chinnaswamy Sta..	Home	Lost	bat	V Kohli	16	24	Abc
	May 6, 2011	Kings XI Punjab	M Chinnaswamy Sta..	Home	Lost	bat	CH Gayle	12	34	Abc
	May 27, 2011	Mumbai Indians	MA Chidambaram St..	NA	Lost	bat	CH Gayle	12	26	Abc
	April 7, 2012	Delhi Daredevils	M Chinnaswamy Sta..	Home	Lost	bat	AB de Villiers	7	27	Abc
	April 23, 2012	Rajasthan Royals	Sawai Mansingh Sta..	Away	Lost	bat	AB de Villiers	7	32	Abc
	May 11, 2012	Pune Warriors	Subrata Roy Sahara ..	Away	Lost	bat	CH Gayle	11	27	Abc
	May 17, 2012	Delhi Daredevils	Feroz Shah Kotla	Away	Lost	bat	CH Gayle	22	36	Abc
	April 4, 2013	Mumbai Indians	M Chinnaswamy Sta..	Home	Lost	bat	CH Gayle	11	29	Abc
	April 23, 2013	Pune Warriors	M Chinnaswamy Sta..	Home	Lost	bat	CH Gayle	24	36	Abc
	May 2, 2013	Pune Warriors	Subrata Roy Sahara ..	Away	Won	bat	AB de Villiers	17	26	Abc
	May 10, 2013	Delhi Daredevils	Feroz Shah Kotla	Away	Lost	bat	JD Unadkat	9	42	Abc
	May 18, 2013	Chennai Super Kings	M Chinnaswamy Sta..	Home	Lost	bat	V Kohli	13	16	Abc
	May 13, 2014	Delhi Daredevils	M Chinnaswamy Sta..	Home	Lost	bat	Yuvraj Singh	20	22	Abc
	May 6, 2015	Kings XI Punjab	M Chinnaswamy Sta..	Home	Lost	bat	CH Gayle	21	22	Abc
	May 10, 2015	Mumbai Indians	Wankhede Stadium	Away	Won	bat	AB de Villiers	20	41	Abc
	May 20, 2015	Rajasthan Royals	Maharashtra Cricket..	NA	Won	bat	AB de Villiers	8	26	Abc
	April 12, 2016	Sunrisers Hyderabad	M Chinnaswamy Sta..	Home	Lost	bat	AB de Villiers	23	35	Abc
	April 22, 2016	Rising Pune Supergi..	Maharashtra Cricket..	Away	Lost	bat	AB de Villiers	10	30	Abc
	May 9, 2016	Kings XI Punjab	Punjab Cricket Asso..	Away	Lost	bat	SR Watson	5	34	Abc
	May 14, 2016	Gujarat Lions	M Chinnaswamy Sta..	Home	Lost	bat	AB de Villiers	22	26	Abc
	May 18, 2016	Kings XI Punjab	M Chinnaswamy Sta..	Home	Lost	bat	V Kohli	20	31	Abc
	April 8, 2017	Delhi Daredevils	M Chinnaswamy Sta..	Home	Won	bat	KM Jadhav	12	24	Abc
	April 18, 2017	Gujarat Lions	Saurashtra Cricket A..	Away	Lost	bat	CH Gayle	25	29	Abc
	May 14, 2017	Delhi Daredevils	Feroz Shah Kotla	Away	Won	bat	HV Patel	13	24	Abc
Lost	April 26, 2008	Rajasthan Royals	M Chinnaswamy Sta..	Home	Lost	bat	SR Watson	9	34	Abc
	May 5, 2008	Kings XI Punjab	M Chinnaswamy Sta..	Home	Lost	bat	S Sreesanth	4	28	Abc
	May 12, 2008	Kings XI Punjab	Punjab Cricket Asso..	Away	Won	bat	SE Marsh	9	25	Abc
	May 19, 2008	Delhi Daredevils	M Chinnaswamy Sta..	Home	Lost	bat	SP Goswami	9	33	Abc
	May 28, 2008	Mumbai Indians	M Chinnaswamy Sta..	Home	Lost	bat	CRD Fernando	8	21	Abc
	April 24, 2009	Kings XI Punjab	Kingsmead	NA	Won	bat	RS Bopara	12	26	Abc
	April 26, 2009	Delhi Daredevils	St George's Park	NA	Won	bat	TM Dilshan	9	18	Abc
	May 7, 2009	Rajasthan Royals	SuperSport Park	NA	Lost	bat	A Singh	6	16	Abc
	March 14, 2010	Kolkata Knight Riders	Eden Gardens	Away	Lost	bat	MK Tiwary	5	27	Abc
	March 31, 2010	Chennai Super Kings	MA Chidambaram St..	Away	Won	bat	M Vijay	13	25	Abc
	April 8, 2010	Deccan Chargers	M Chinnaswamy Sta..	Home	Lost	bat	TL Suman	16	32	Abc
	April 12, 2011	Mumbai Indians	M Chinnaswamy Sta..	Home	Lost	bat	SR Tendulkar	5	30	Abc
	May 24, 2011	Chennai Super Kings	Wankhede Stadium	NA	Lost	bat	SK Raina	17	27	Abc
	April 12, 2012	Chennai Super Kings	MA Chidambaram St..	Away	Won	bat	F du Plessis	23	29	Abc
	May 2, 2012	Kings XI Punjab	M Chinnaswamy Sta..	Home	Lost	bat	Azhar Mahmood	14	25	Abc

Year of Date

☒ (All)
☒ 2008
☒ 2009
☒ 2010
☒ 2011
☒ 2012
☒ 2013
☒ 2014
☒ 2015
☒ 2016
☒ 2017

Winning_Percentage

0.00%100.00%

Teams

Royal Challenger... ▾

by wickets

distributionWickets

highest totals

MATCH STATISTICS

orange cap holders

Purple cap Holders

Most Fours

Most Sixs

most4s&6s

PLAYER STATISTICS

teamPerformance

Winning percentage

TEAM STATISTICS

by wickets distributionWickets highest totals MATCH STATISTICS orange cap holders Purple cap Holders Most Fours Most Sixs most4s&6s PLAYER STATISTICS teamPerformance Winning percentage TEAM STATISTICS

Team Statistics Dashboard

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

We Can Get Team wise insights by selecting the teams from ‘TEAMS’ parameter for particular season



CONCLUSIONS

- 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 and Bating first having less winning rate as compared to fielding first for all 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 Followed by 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
- 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
- Chris Gayle having Highest Number of Sixes and Goutam Gambhir is Having Highest Number Of Fours



Visualization Using tableau

Done by

Paramesh E