IPL DATA VISUALIZATION USING TABLEAU
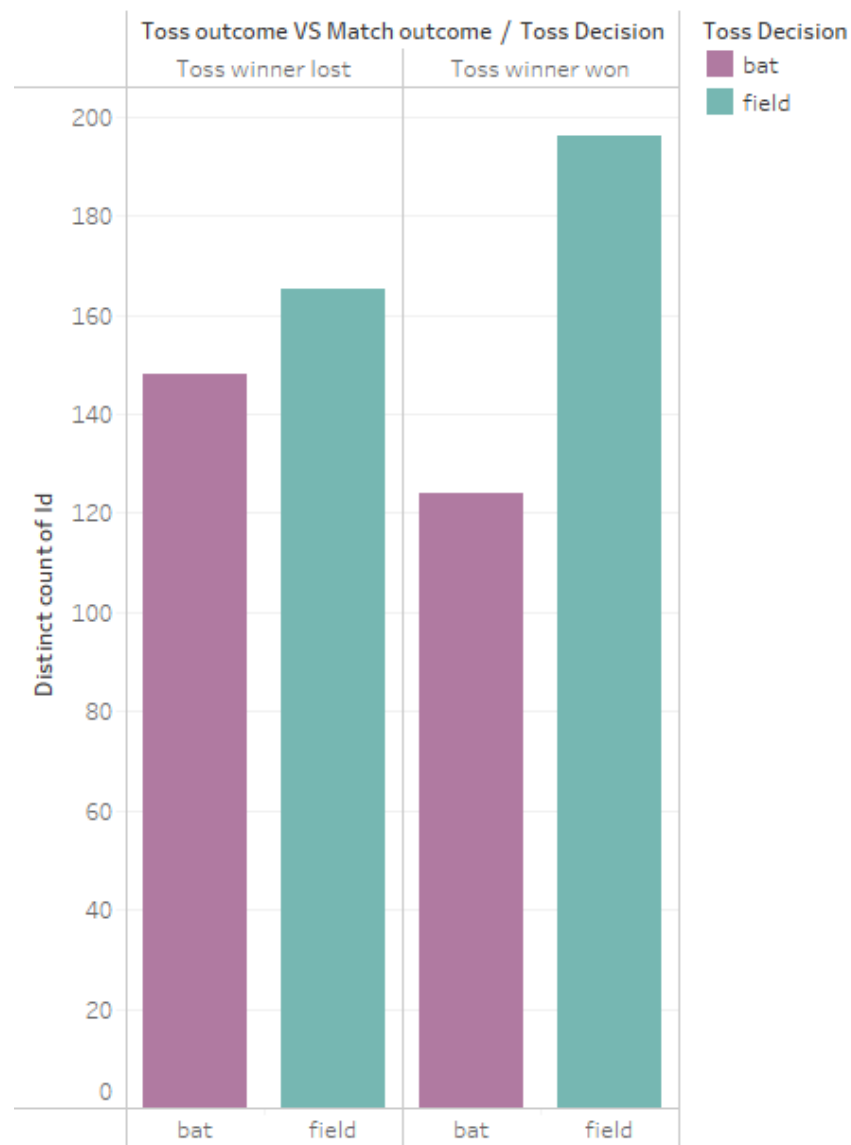
BY

SHAHAD RIYAZ SHAIKH DS C-29

Toss Outcome Vs Match Outcome for all Venues/Grounds

- We can see that the teams choosing to field first after winning the toss are more likely to win the match

- Also, we can see that the teams choosing to bat first after winning the toss are more likely to lose the match.

- Now we can conclude that the teams choosing to field first were able to successfully chase the target score set by the opposition team.

- While the teams choosing to bat first were not able to keep the opposing team from achieving the target score.

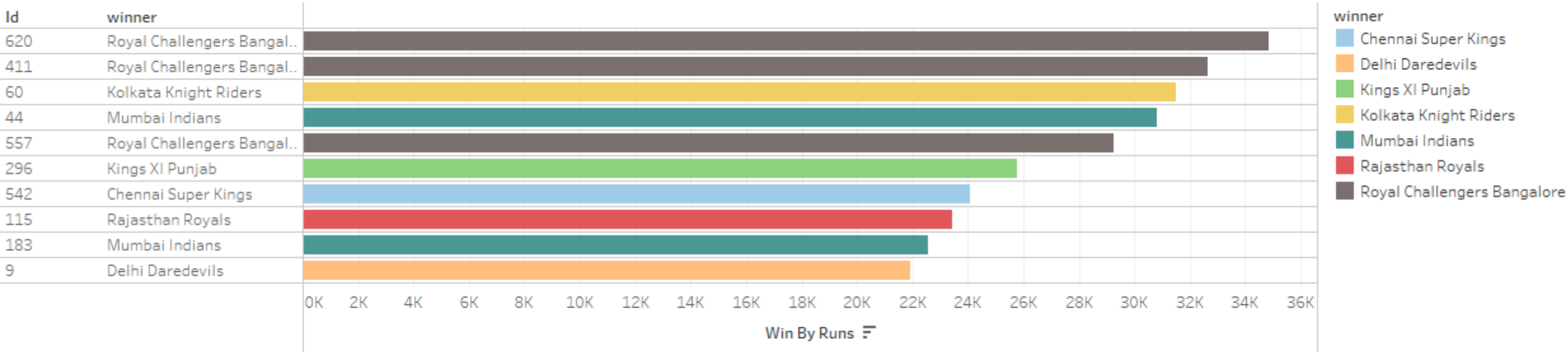Toss Outcome VS Match Outcome for each venue

Distinct count of Id for each Toss Decision broken down by Toss outcome VS Match outcome. Color shows details about Toss Decision. The data is filtered on winner and Venue. The winner filter keeps 13 of 23 members. The Venue filter keeps 35 of 35 members.

Biggest Win by Runs[Top 10]

- Royal Challengers Bangalore was the team to have biggest win by runs followed by teams Kolkata Knight Riders and Mumbai Indians.

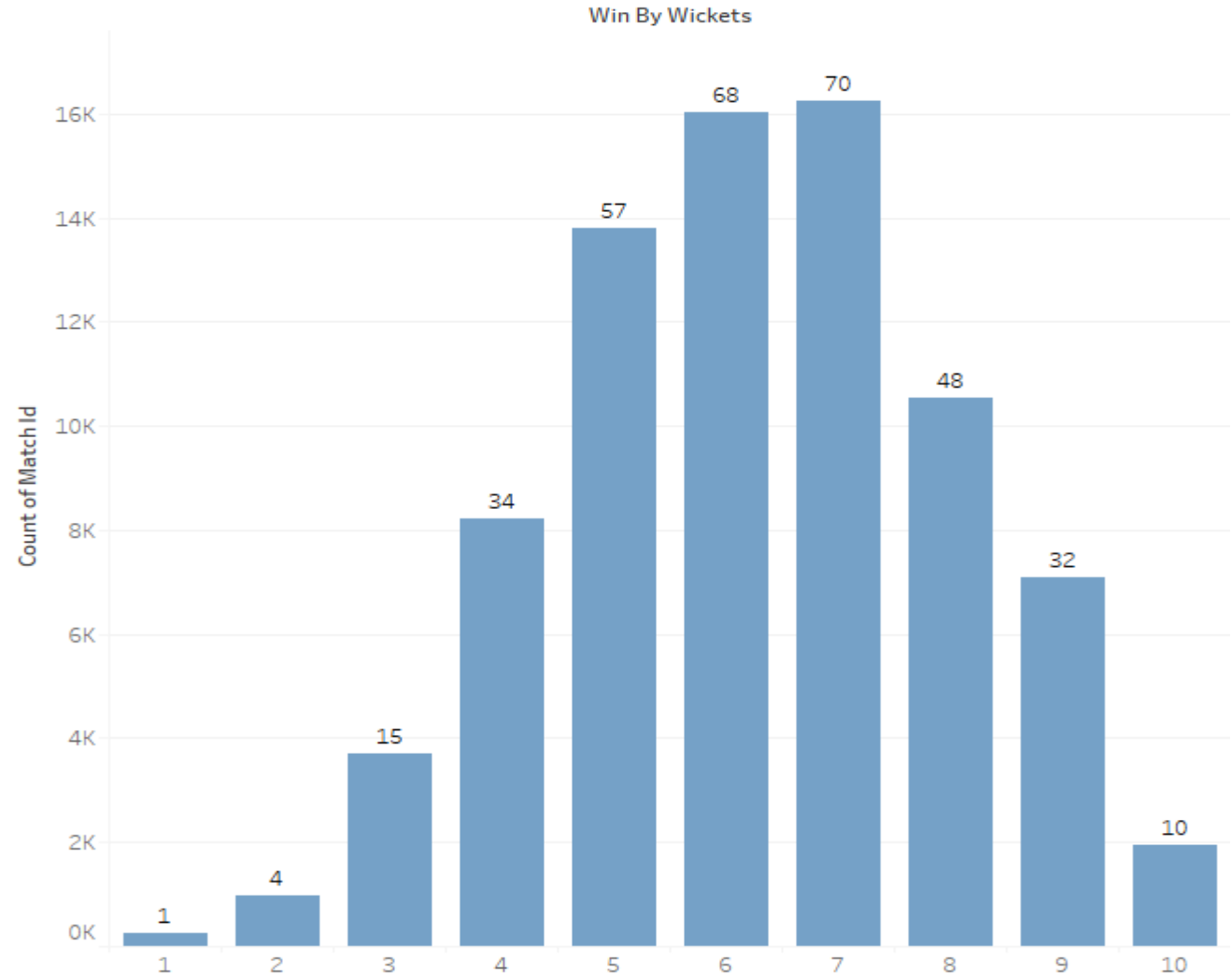- Delhi Daredevils was the team to have the lowest win by runs in the top 10 teams.

Biggest win by runs(Top 10 Teams)

Id	winner	
620	Royal Challengers Bangal..	
411	Royal Challengers Bangal..	
60	Kolkata Knight Riders	
44	Mumbai Indians	
557	Royal Challengers Bangal..	
296	Kings XI Punjab	
542	Chennai Super Kings	
115	Rajasthan Royals	
183	Mumbai Indians	
9	Delhi Daredevils	

Win By Runs

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

Sum of Win By Runs for each winner broken down by Id. Color shows details about winner. The view is filtered on winner and Id. The winner filter keeps 13 of 23 members. The Id filter keeps 10 of 2,690 members.

Biggest win by Wickets

- We can see that there are over 70 teams which have won by 7 wickets and is the biggest win by wickets.

- Also, we can see that there are over 68 teams which have won by 6 wickets which is the 2nd biggest win by wickets.

- Also, we can observe that teams winning by 5-8 wickets holds the maximum portion of biggest win by wickets distribution

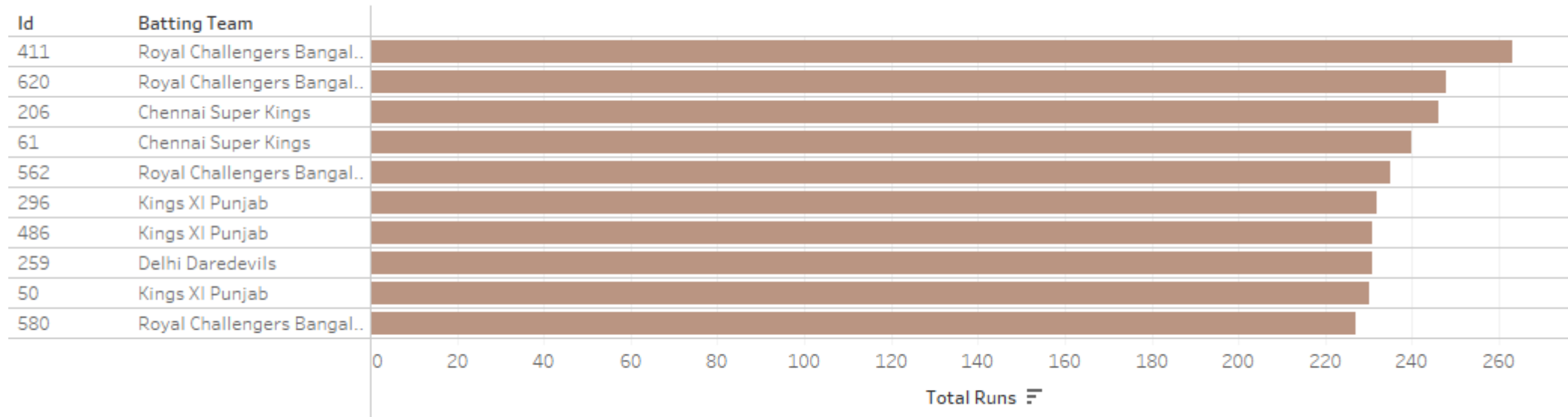**Biggest win by wickets**

Win By Wickets

Count of Match Id for each Win By Wickets. The marks are labeled by distinct count of Match Id. The view is filtered on Win By Wickets, which excludes 0.

Highest Totals

- We can see that Royal Challengers Bangalore has the highest score that is 263 runs over all the seasons recorded [2008 - 2017].

- We can also observer that the team Royal Challengers Bangalore has been consistent in scoring the highest runs as it's the only team whose name has occurred 4 times in the Top 10 list of highest totals.

- Also, Chennai Super Kings takes the 3rd spot in the top 10 list with 246 runs.

Highest Totals

Id	Batting Team	
411	Royal Challengers Bangal..	
620	Royal Challengers Bangal..	
206	Chennai Super Kings	
61	Chennai Super Kings	
562	Royal Challengers Bangal..	
296	Kings XI Punjab	
486	Kings XI Punjab	
259	Delhi Daredevils	
50	Kings XI Punjab	
580	Royal Challengers Bangal..	

Total Runs

Sum of Total Runs for each Batting Team broken down by Id. The data is filtered on Date Year and Match Innings. The Date Year filter keeps 10 of 10 members. The Match Innings filter keeps 10 of 1,284 members.
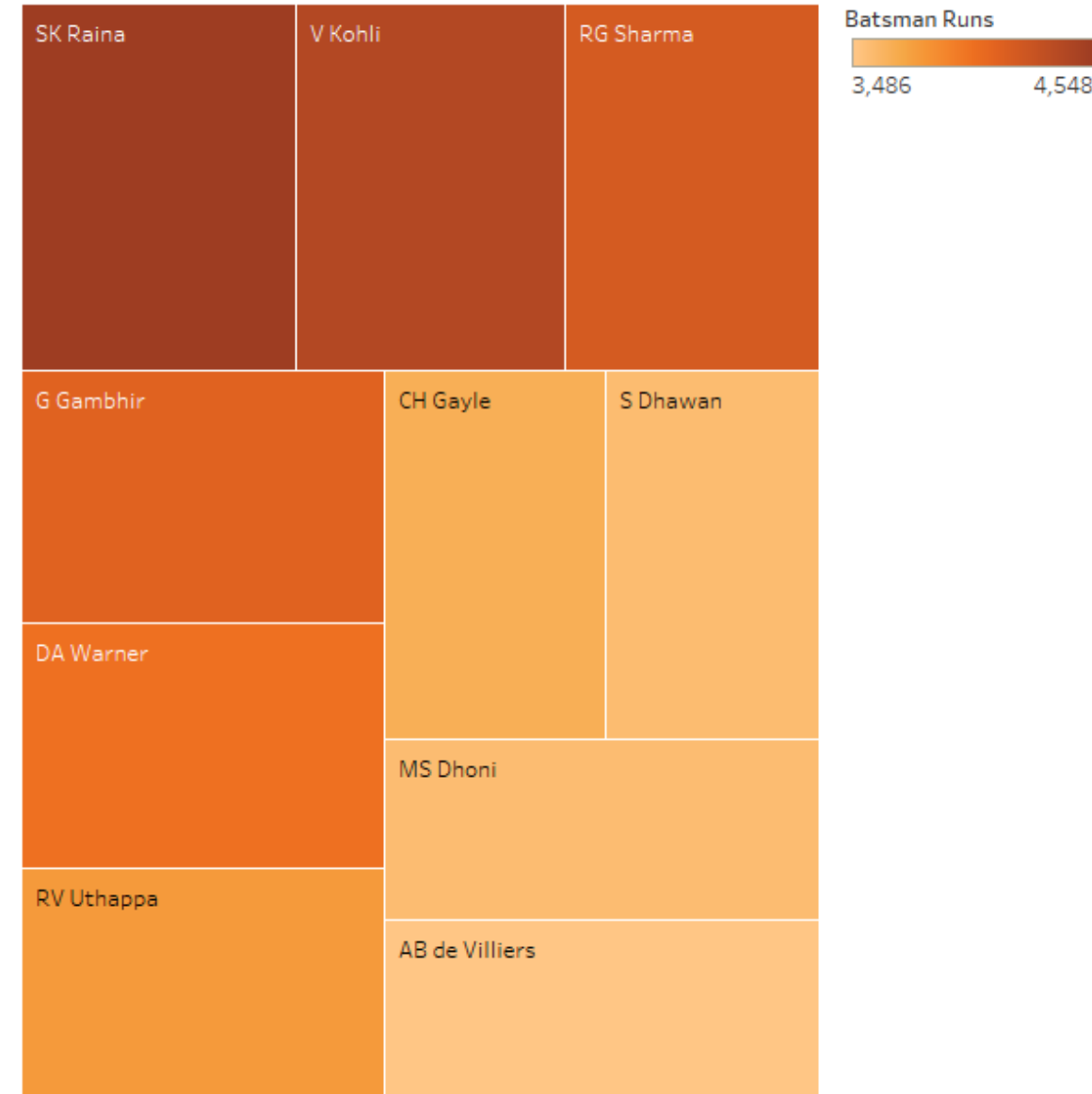
Orange Cap Contenders

Season Wise Orange Cap Winners :

2008 – G Gambhir[534 runs]
2009 – AB De Villiers [465 runs]
2010 – SK Raina [528 runs]
2011 – Chris Gayle [608 runs]
2012 – Chris Gayle [733 runs]
2013 – Chris Gayle [720 runs]
2014 – RV Uthappa [660 runs]
2015 – DA Warner [562 runs]
2016 – V Kohli [973 runs]
2017 – DA Warner [641 runs]

- We can see that Chris Gayle is the only player who have won Orange Cap 3 times in a row.

- We can also observe that Virat Kohli is the only player with the highest individual runs to win the Orange Cap.

Orange Cap Contenders

Batsman Runs
3,486   4,548

Batsman. Color shows sum of Batsman Runs. Size shows sum of Batsman Runs. The marks are labeled by Batsman. The data is filtered on Season Year and Batting Team. The Season Year filter keeps 10 of 10 members. The Batting Team filter keeps 13 of 13 members. The view is filtered on Batsman, which keeps 10 of 461 members.
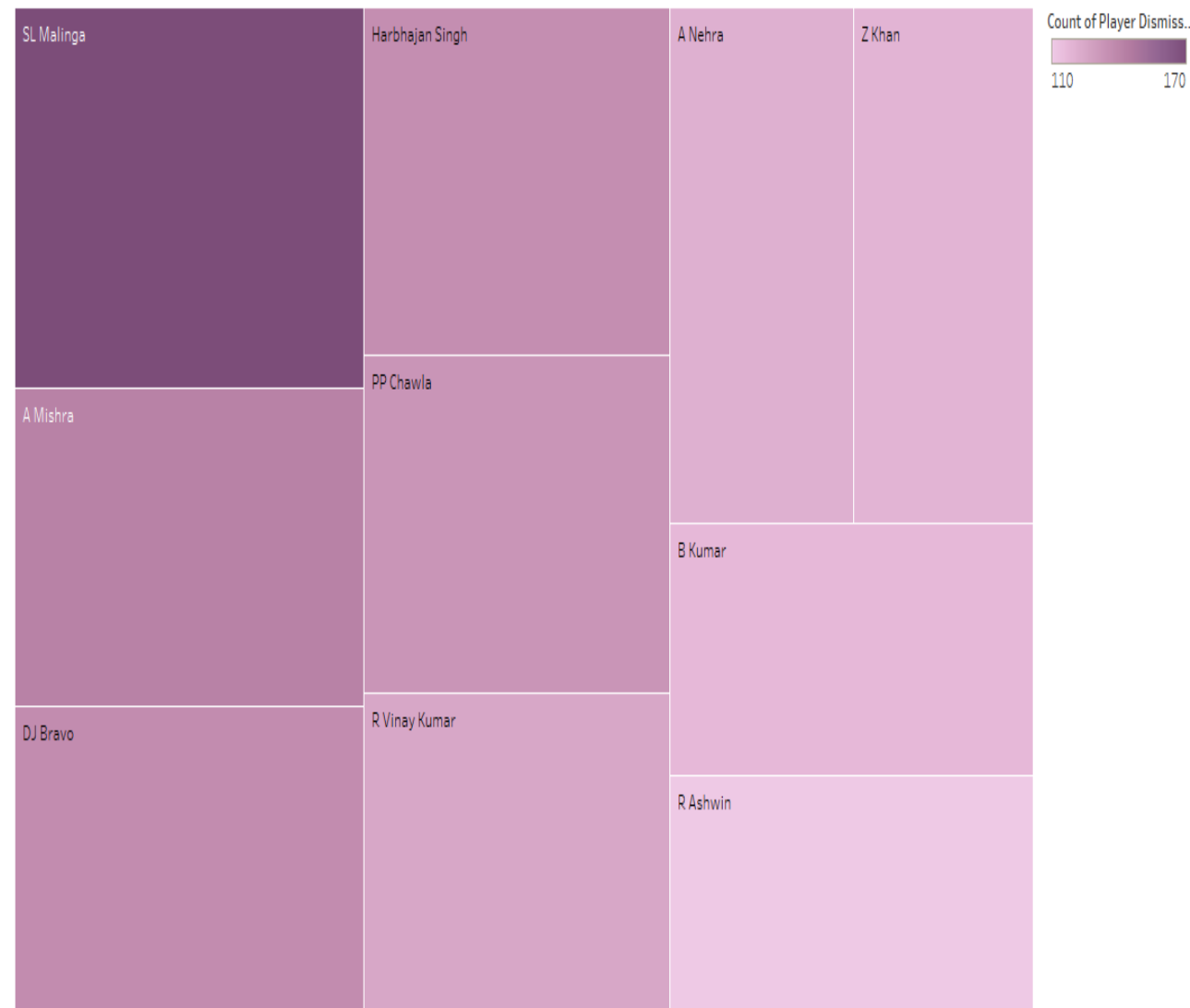
Purple Cap Contenders

Season Wise Purple Cap Winners :

2008 – PP Chawla [19 wickets]
2009 – A Nehra [22 wickets]
2010 – A Mishra and Harbhajan Singh[20 wickets]
2011 – SL Malinga [30 wickets]
2012 – SL Malinga [25 wickets]
2013 – DJ Bravo [34 wickets]
2014 – B Kumar [21 wickets]
2015 – DJ Bravo [28 wickets]
2016 – B Kumar [24 wickets]
2017 – B Kumar [28 wickets]

- We can see that B Kumar is the only player who have won Purple Cap 3 times.

- We can also observe that DJ Bravo is the only player with the highest individual wickets to his name.

Purple Cap Contenders

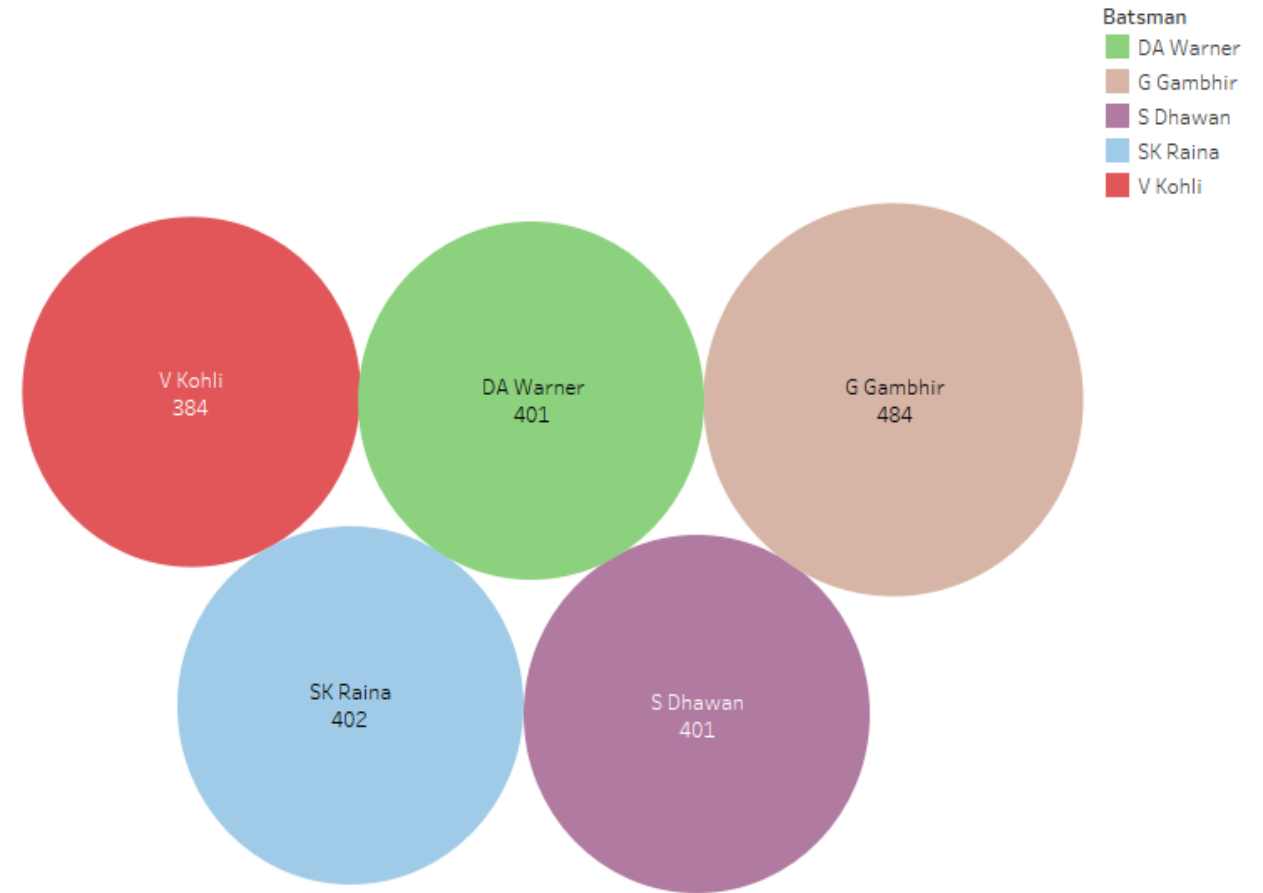Count of Player Dismiss..
110   170

Bowler. Color shows count of Player Dismissed. Size shows count of Player Dismissed. The marks are labeled by Bowler. The data is filtered on Date Year, Dismissal Kind, Bowling Team and Season Year. The Date Year filter keeps 10 of 10 members. The Dismissal Kind filter keeps 10 of 10 members. The Bowling Team filter keeps 13 of 13 members. The Season Year filter keeps 10 of 10 members. The view is filtered on Bowler, which keeps 10 of 356 members.

Batsmen With Most Number of Fours

- We can see that Gautam Gambhir is the top player with most number of 4's hit – [484] across all the seasons which shows that he is pretty good and consistent in hitting boundaries.

- Also, we can observe that Suresh Raina comes 2nd is the list with most number of 4's hit – [402]

- Followed by DA warner and S Dhawan who has the same number of 4's hit – [401]

Batsmen with most number of Fours

V Kohli
384

DA Warner
401

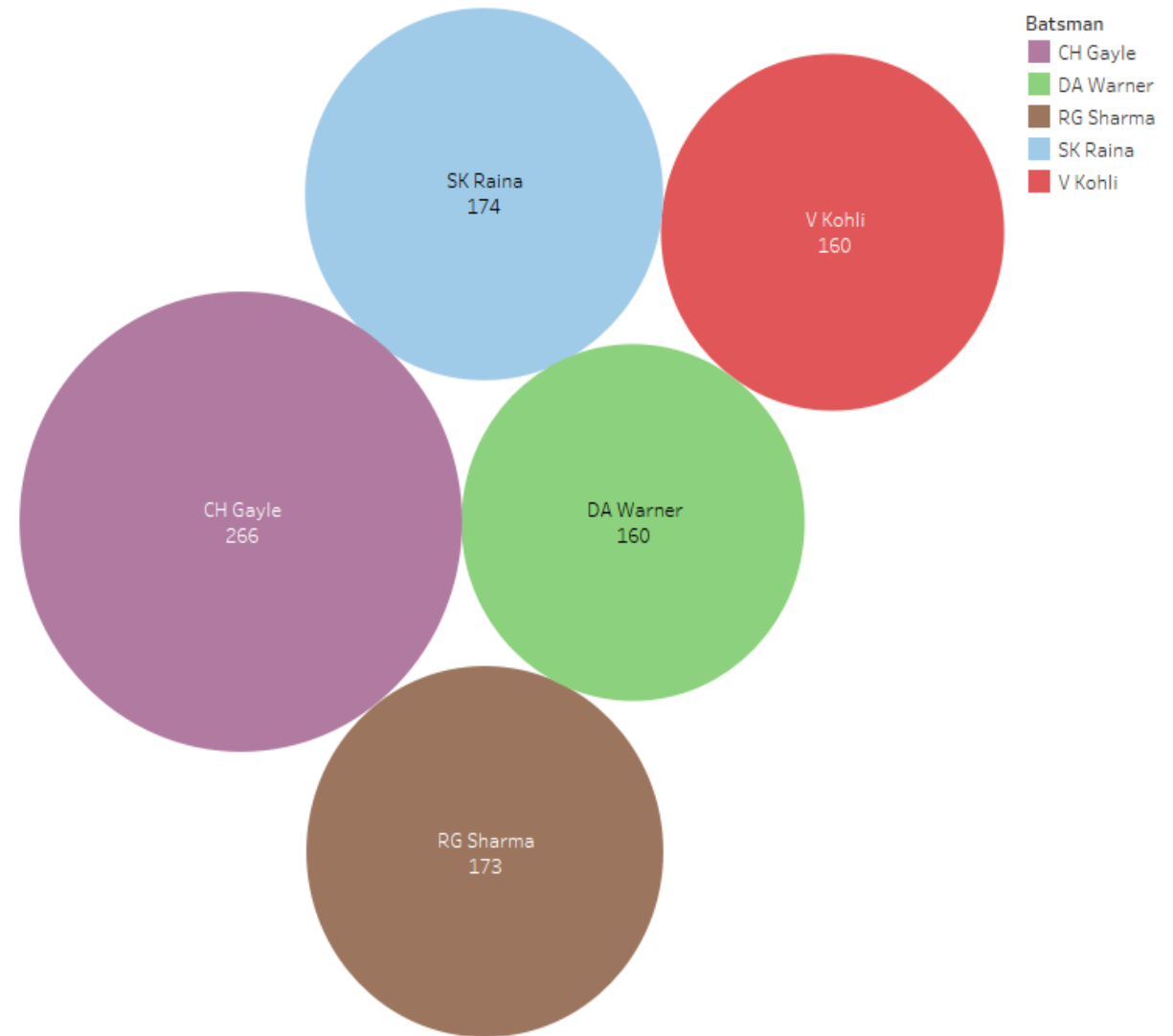G Gambhir
484

SK Raina
402

S Dhawan
401

Batsman and sum of Count of Fours. Color shows details about Batsman. Size shows sum of Count of Fours. The marks are labeled by Batsman and sum of Count of Fours. The data is filtered on Season Year, which keeps 10 of 10 members. The view is filtered on Batsman, which keeps DA Warner, G Gambhir, S Dhawan, SK Raina and V Kohli.

Batsmen With Most Number of Sixes

- We can see that Chris Gayle is the top player to hit the most number of 6's across all the seasons with -[266 sixes] and has a great difference as compared to other players which shows that he is power hitting batsmen.

- Also, we can observer that SK Raina takes the 2nd position in the list with –[174 sixes].

- Followed by RG Sharma who has –[173 sixes].

Batsmen with most number of Sixes

Batsman
- CH Gayle
- DA Warner
- RG Sharma
- SK Raina
- V Kohli

SK Raina
174

V Kohli
160

CH Gayle
266

DA Warner
160

RG Sharma
173

Batsman and sum of Count of Sixes. Color shows details about Batsman. Size shows sum of Count of Sixes. The marks are labeled by Batsman and sum of Count of Sixes. The data is filtered on Season Year, which keeps 10 of 10 members. The view is filtered on Batsman, which keeps CH Gayle, DA Warner, RG Sharma, SK Raina and V Kohli.

Season Wise Team Performance

- 2008 – In this season teams Kings XIP and Rajasthan Royals performed well as compared to other teams However team Deccan Chargers had the highest number of losses.
- 2009 – Here, Delhi Daredevils outperformed other teams and Kolkata Knight Riders team had the highest number of losses.
- 2010 – Here, Mumbai Indians had the highest number of wins as compared to other teams and Kings XIP did not perform well with 10 matches lost.
- 2011 – Here, Chennai Super Kings outperformed other teams with maximum wins and Delhi Daredevils had the highest number of losses.
- 2012 – Here, Kolkata Knight Riders performed well as compared to other teams and Deccan chargers did not perform very well and had the highest number of losses.

Season-wise team performance

The plot of sum of Winning Flag for Date. Color shows sum of Winning Flag. The marks are labeled by Man of the Match. Details are shown for Id. The data is filtered on Season Year, which keeps 2011.

Season Wise Team Performance

- 2013 – Here, Mumbai Indians and Chennai Super Kings outperformed other teams However, Delhi Daredevils did not perform well and had huge losses.
- 2014 – Here, Kolkata Knight Riders and Chennai Super Kings performed really well as compared to other teams and Delhi Daredevils had the highest number of losses.
- 2015 – Here, Mumbai Indians and Chennai Super Kings played amazingly with huge wins However Kings XIP did not perform well.
- 2016 – Here, Sunrisers Hyderabad outperformed other teams However Kings XIP had huge losses.
- 2017 – Here, Mumbai Indians performed well as compared to other teams and Royal Challengers Bangalore did not perform well and had huge losses.

Season-wise team performance

The plot of sum of Winning Flag for Date. Color shows sum of Winning Flag. The marks are labeled by Man of the Match. Details are shown for Id. The data is filtered on Season Year, which keeps 2011.

Win Percentage [Home vs Away]

- We can see that Chennai Super Kings won all the matches on Home ground in year 2011, However lost 80.5% of the matches playing away from home ground.

- Also, Kolkata Knight Riders won all the matches on Home ground in year 2014, However lost 87.3% of the matches which they played away from home.

- Whereas Mumbai Indians won all the matches on Home ground in year 2013 but also lost all the matches played away from home in year 2014.

- Rajasthan Royals also won all the matches played on Home ground in year 2008 and 2013. However, lost only 58.8% of the matches played away from home.

- Royal Challengers Bangalore won 86.7% of matches played on Home ground in year 2013 but lost 72.9% of the matches played away from home.
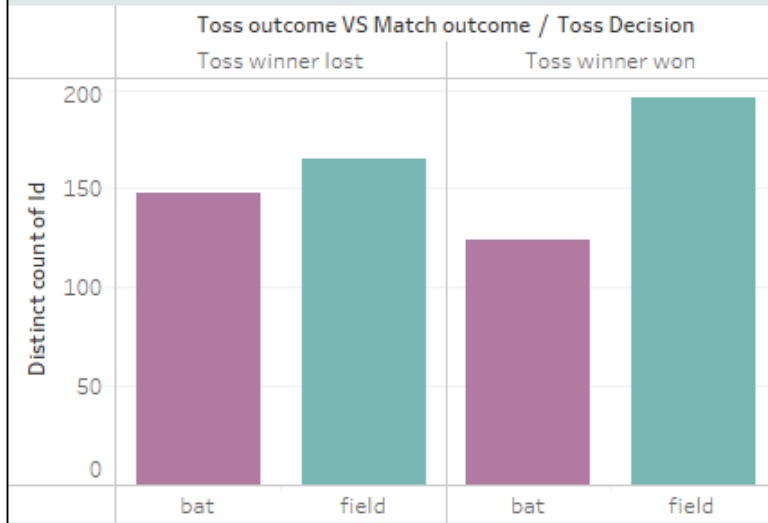

Win %age (Home vs Away)

	Home/Away		Winning Percentage
Year of Date	Away	Home	14.4% 100.0%
2008	35.5%	59.0%	
2010	17.8%	71.5%	
2011	45.4%	53.7%	
2012	87.3%	46.2%	
2013	14.4%	66.6%	
2014	65.7%	100.0%	
2015	27.3%	83.7%	
2016	67.1%	53.8%	
2017	55.1%	55.2%	

Winning Percentage broken down by Home/Away vs. Date Year. Color shows Winning Percentage. The marks are labeled by Winning Percentage. The view is filtered on Home/Away, which keeps Away and Home.
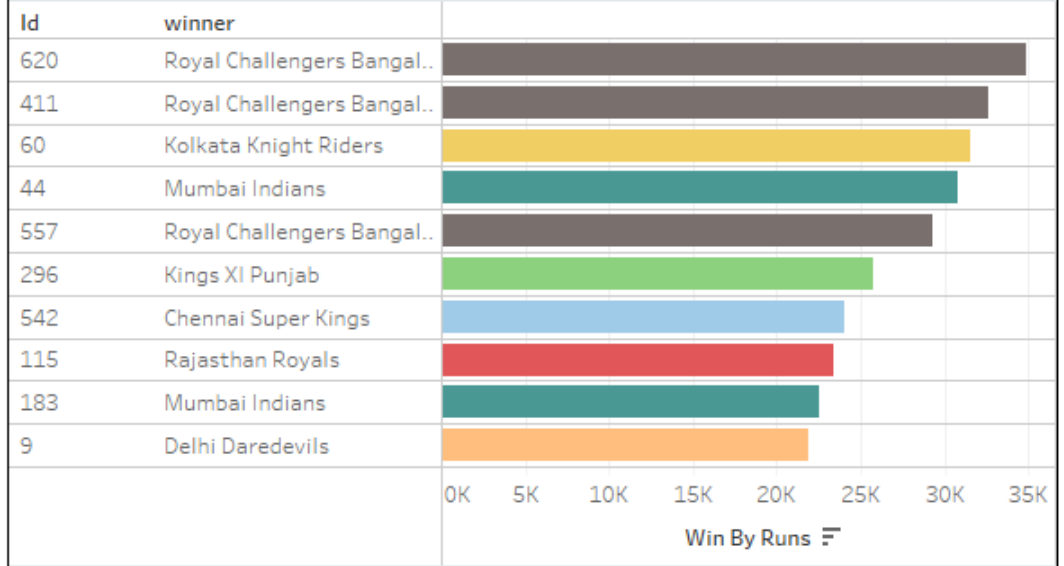
Dashboards

Match Statistics

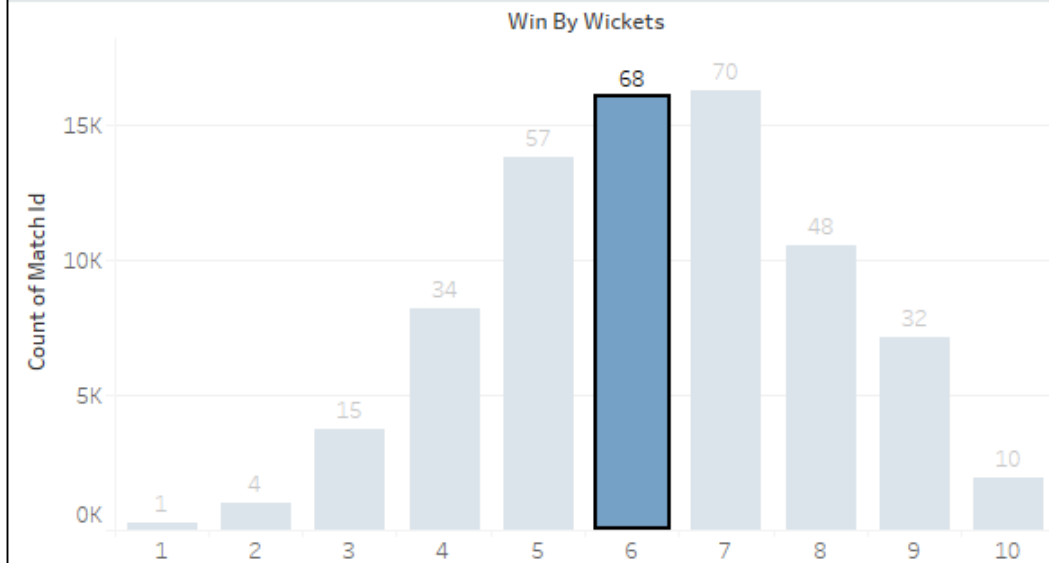## Toss Outcome VS Match Outcome for each venue

Toss outcome VS Match outcome / Toss Decision

| Toss winner lost | Toss winner won |

Venue
All

Note : Use the Venue filter to select the **venue** where you want to check what the match outcome was based on the toss decision [Bat vs Field]
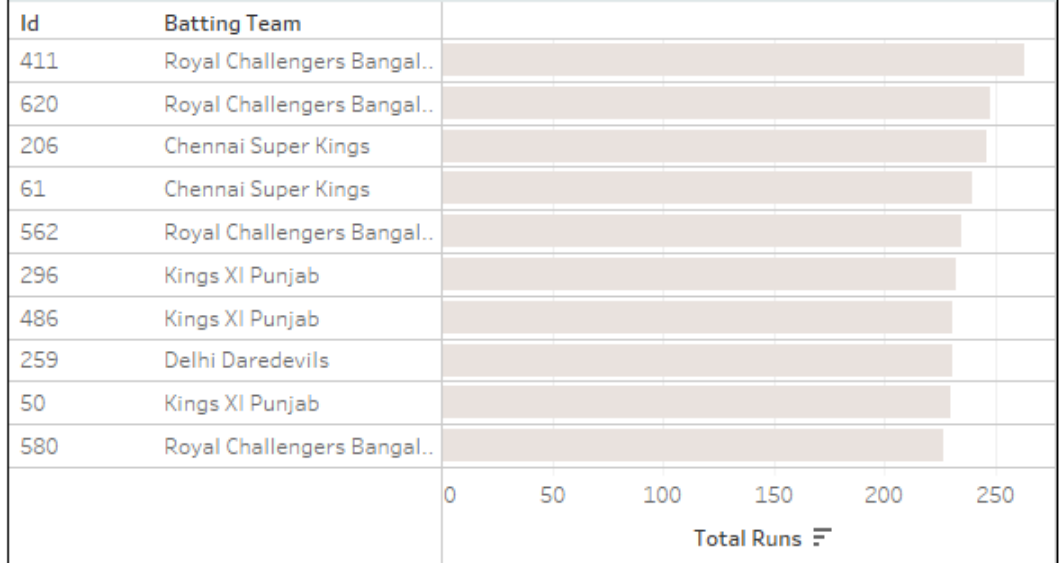
Biggest win by runs(Top 10 Teams)

Id	winner	
620	Royal Challengers Bangal..	
411	Royal Challengers Bangal..	
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542	Chennai Super Kings	
115	Rajasthan Royals	
183	Mumbai Indians	
9	Delhi Daredevils	

0K 5K 10K 15K 20K 25K 30K 35K

Win By Runs

Biggest win by wickets

Win By Wickets

Highest Totals

Id	Batting Team	
411	Royal Challengers Bangal..	
620	Royal Challengers Bangal..	
206	Chennai Super Kings	
61	Chennai Super Kings	
562	Royal Challengers Bangal..	
296	Kings XI Punjab	
486	Kings XI Punjab	
259	Delhi Daredevils	
50	Kings XI Punjab	
580	Royal Challengers Bangal..	

0 50 100 150 200 250

Total Runs

Player Statistics

Note : The **batsman's team** filter is applicable for Orange cap cotenders, most number of sixes and most number of fours graphs as well. Also **Season** filter is applicable for all the graphs on the dashboard.

Year of Season
All

Note : The **bowler's team** filter is applicable for Purple cap contenders and **Season** filter is applicable for all graphs

Orange Cap Contenders

SK Raina	G Gambhir	CH Gayle	S Dhawan
V Kohli	DA Warner	MS Dhoni	
RG Sharma	RV Uthappa	AB de Villiers	

Batting Team
- ✔ 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 Supergiants
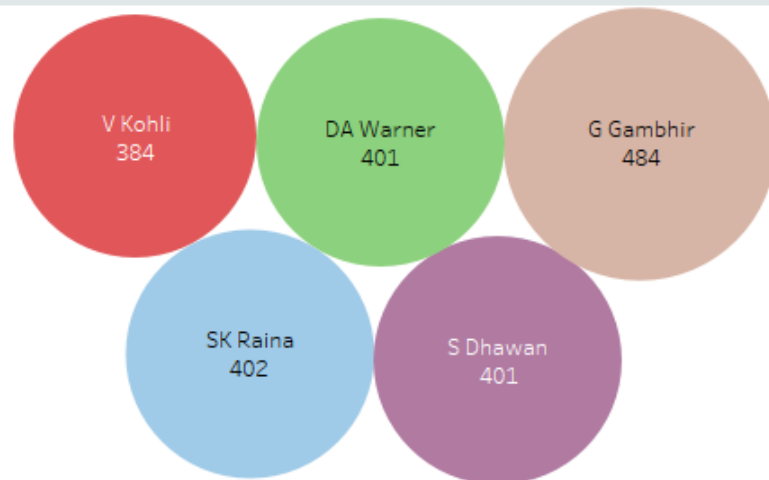- ✔ Royal Challengers Bangalo..
- ✔ Sunrisers Hyderabad

Purple Cap Contenders

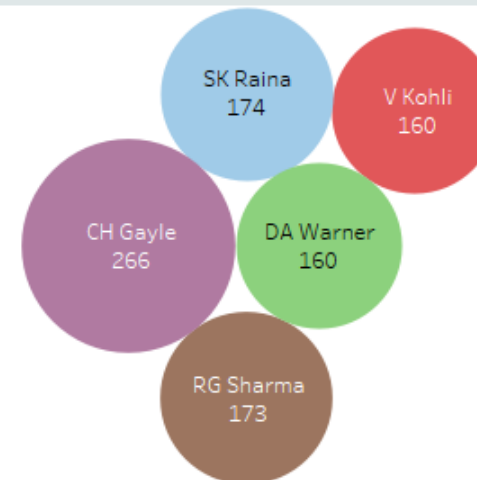|			
SL Malinga	Harbhajan Singh	A Nehra	Z Khan
A Mishra	PP Chawla	B Kumar	
DJ Bravo	R Vinay Kumar	R Ashwin	

Bowling Team
- ✔ 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 Supergian..
- ✔ Royal Challengers Ban..
- ✔ Sunrisers Hyderabad

Batsmen with most number of Fours

V Kohli 384
DA Warner 401
G Gambhir 484
SK Raina 402
S Dhawan 401

Batsmen with most number of Sixes

SK Raina 174
V Kohli 160
CH Gayle 266
DA Warner 160
RG Sharma 173

Team Statistics

Win %age (Home vs Away)

	Home/Away	
Year of Date	Away	Home
2008	35.5%	59.0%
2010	17.8%	71.5%
2011	45.4%	53.7%
2012	87.3%	46.2%
2013	14.4%	66.6%
2014	65.7%	100.0%
2015	27.3%	83.7%
2016	67.1%	53.8%
2017	55.1%	55.2%

Note : The all teams filter is applicable for the **season - wise team performance**. For the selected team it shows the man of the match and the journey of the team match by match over the season.

Win %age (Home vs Away) : It provides the winning percentage of the selected team on the home ground vs away locations over various seasons

Year of season filter is applicable for both the charts on the dashboard selecting any year would show the team statistics for that particular year selected.
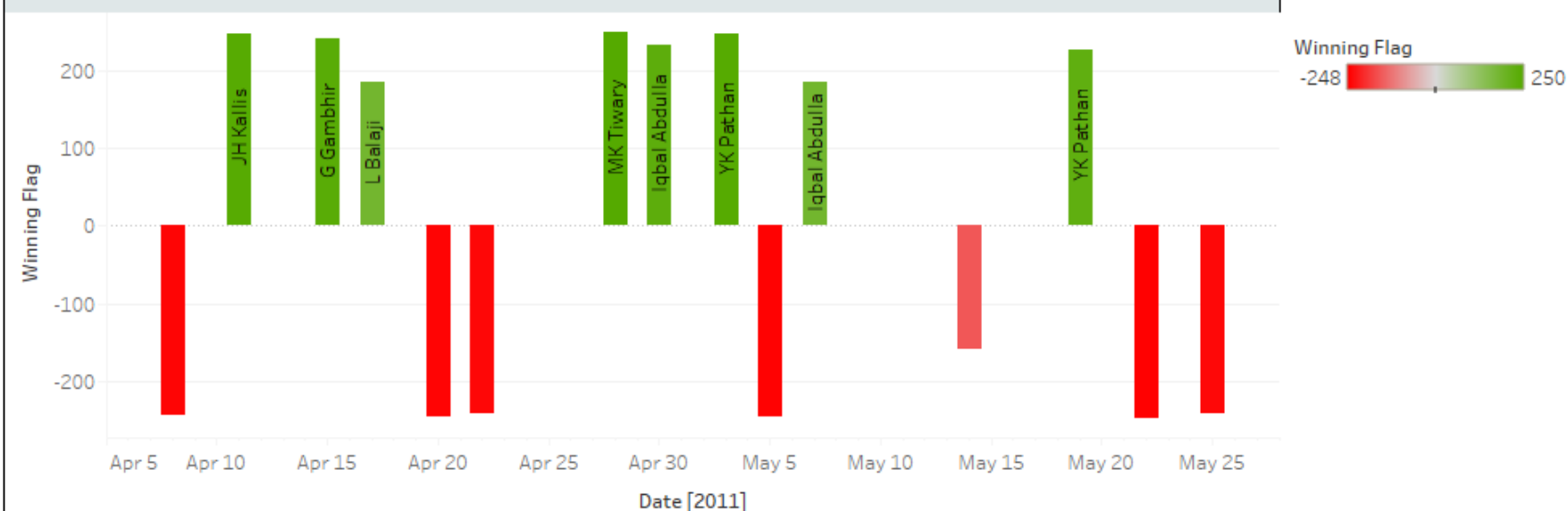
All Teams
Kolkata Knight Riders

Home/Away
- ☐ Null
- ☑ Away
- ☑ Home
- ☐ NA

Year of Season
- ◯ 2008
- ◯ 2009
- ◯ 2010
- ⦿ 2011
- ◯ 2012
- ◯ 2013
- ◯ 2014
- ◯ 2015
- ◯ 2016
- ◯ 2017

Season-wise team performance

Winning Flag
-248 � 250

THANK YOU