IPL Visualisation Assignment in Tableau

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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.

Results Expected:

- A tableau workbook containing 3 dashboards pertaining to the 3 categories - Match statistics, Player statistics and Team statistics.

- Each dashboard should contain the visualisations from the sub-category worksheets. For example, in the Match statistics dashboard, the visualisations should be from the Toss Outcome vs Match Outcome, Biggest Wins and Highest Totals worksheets. Similarly, you need to prepare the dashboards for Player statistics and Team statistics.

Toss Outcomes v/s Match Outcomes

Venue

Toss vs Match
- Match Loss By The Toss Winner
- Match Won By The Toss Winner
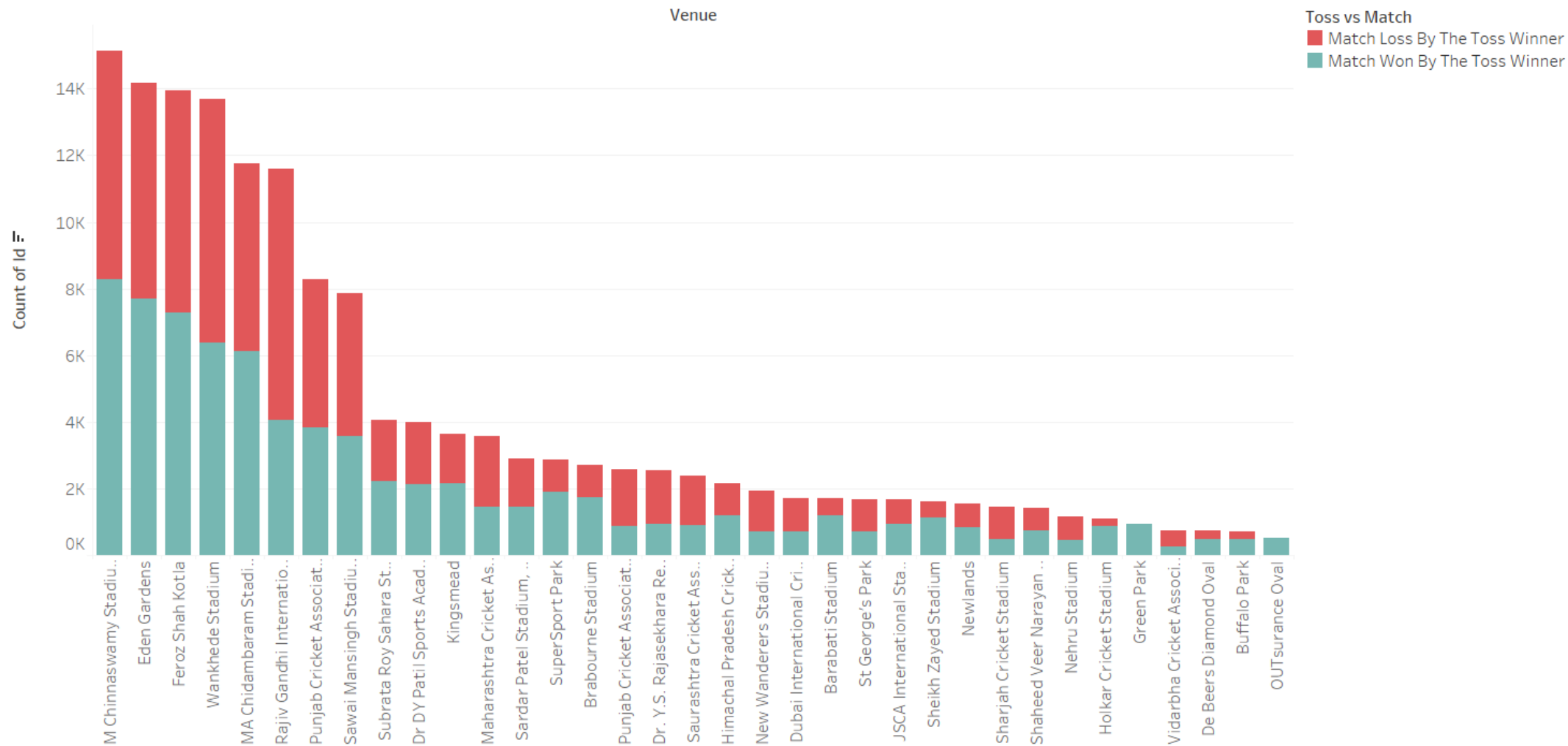
Count of Id for each Venue. Color shows details about Toss vs Match.

Observations:

We can see most number of matches were played in M Chinn swamy Stadium, Eden Gardens Stadium, Feroz Shah Kotla Stadium, Wankhede Stadium and so on, as there are equal numbers of team who Win the Match either they win or loss the toss, but most of the matches are lost who have not win the toss.
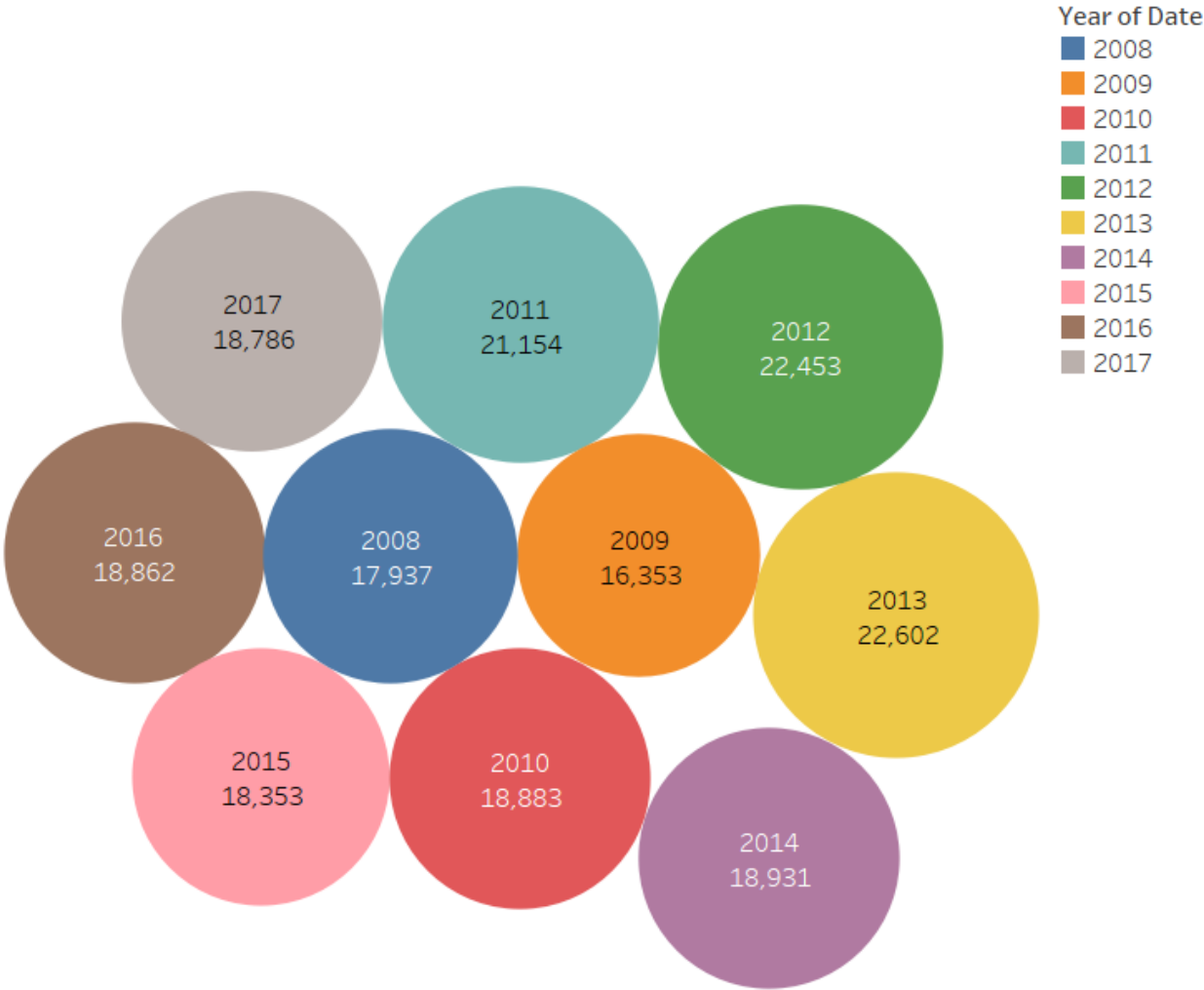
Biggest Win
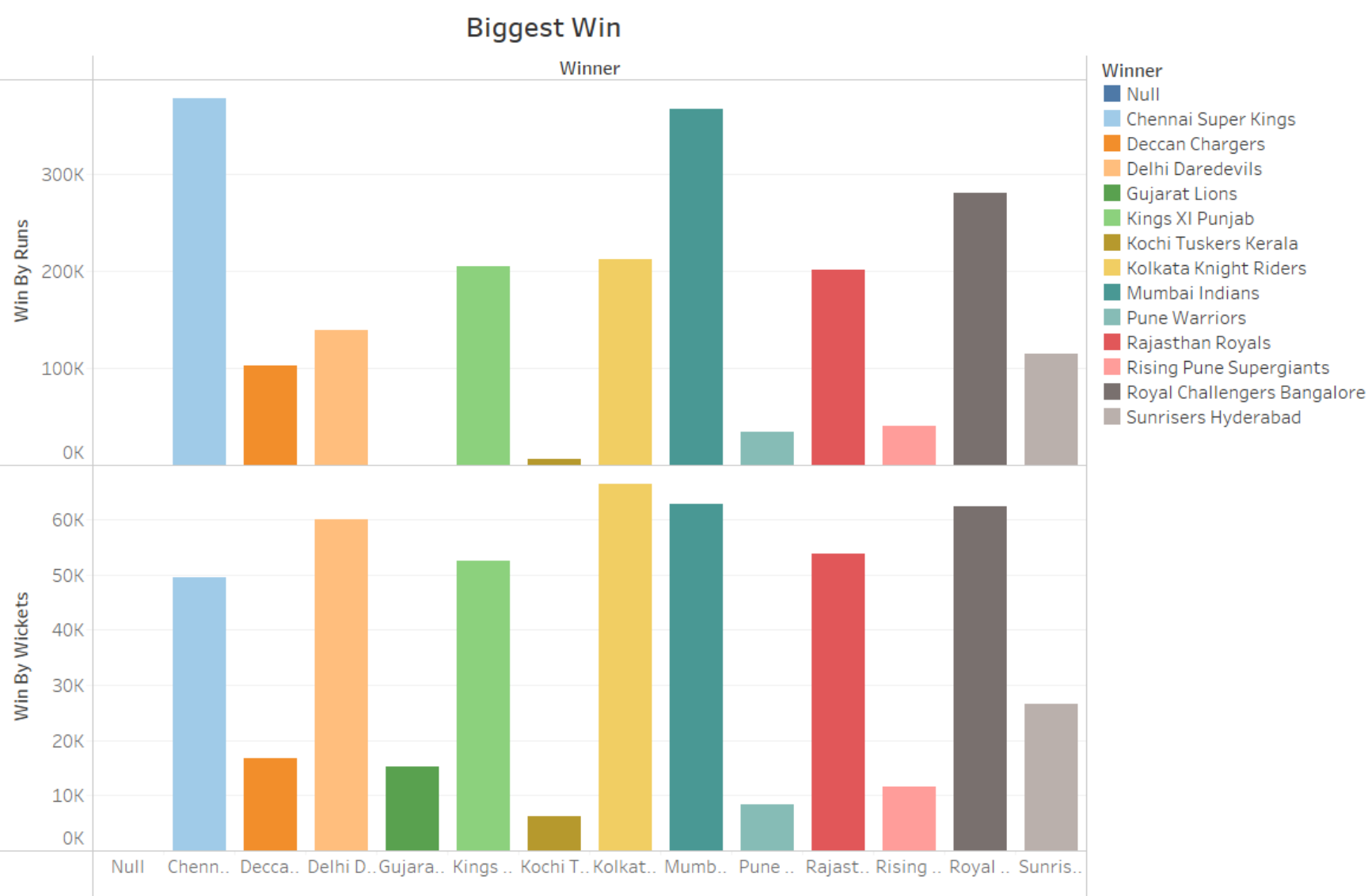
Sum of Win By Runs and sum of Win By Wickets for each Winner. Color shows details about Winner.

Observations:

If we talk about Winning by Runs we can see Chennai Super Kings leads followed by Mumbai Indians while Kolkata Knight Riders leads in Winning by Wickets followed by Mumbai Indians, so we can observe that 2nd Most leading team is Mumbai Indians.

Highest Runs among each Seasons

Date Year and sum of Total Runs. Color shows details about Date Year. Size shows sum of Total Runs. The marks are labeled by Date Year and sum of Total Runs. The view is filtered on Date Year, which keeps 10 of 10 members.

Year of Date
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017

Observations:

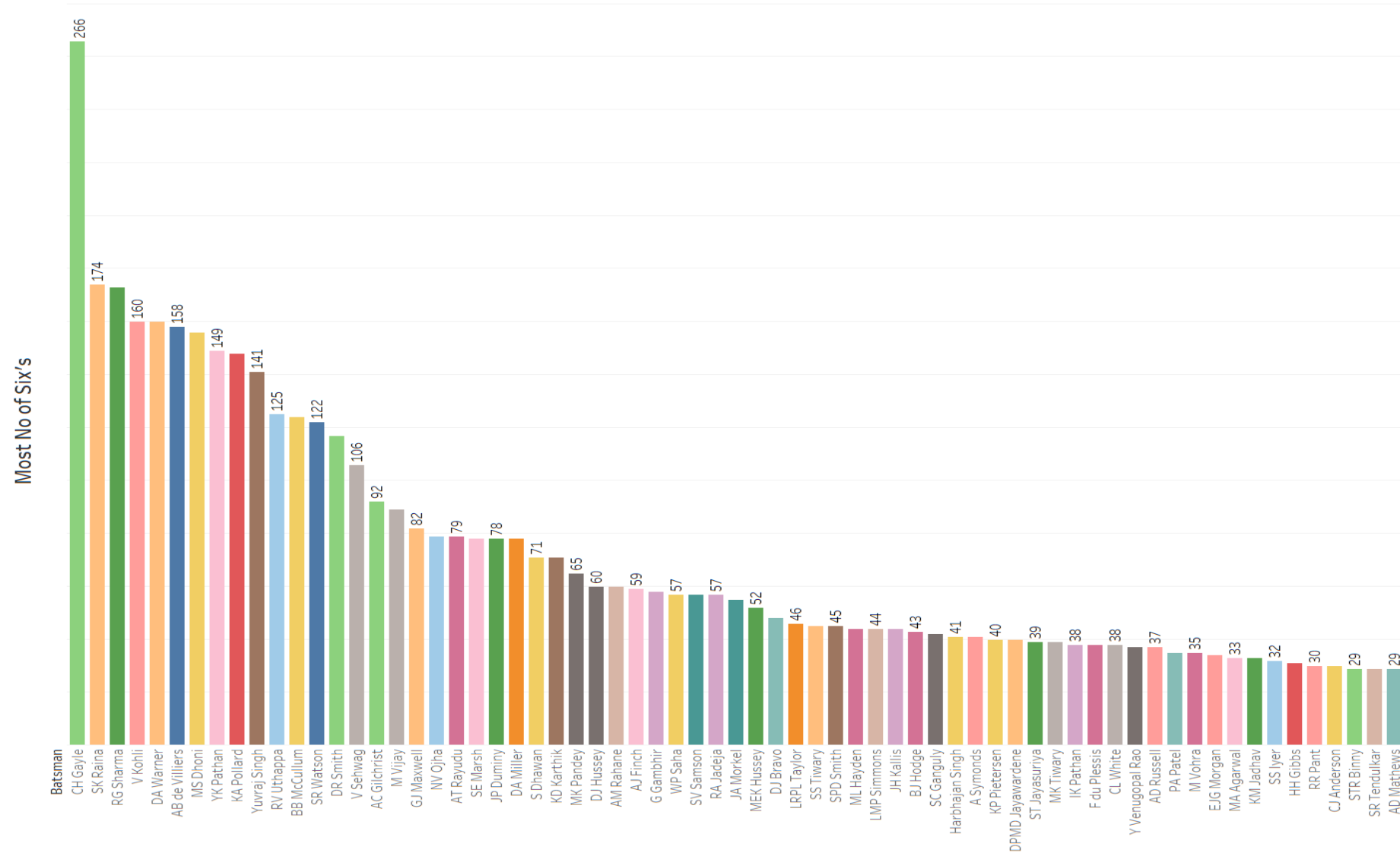As we noticed in 2013 teams scored most numbers of runs i.e. 22602,and in 2009 teams scored least score i.e. 16353 followed by 2012 and 2011 and the rest of the years average scores between 15000-20000.

Most No of Six's

Observations:
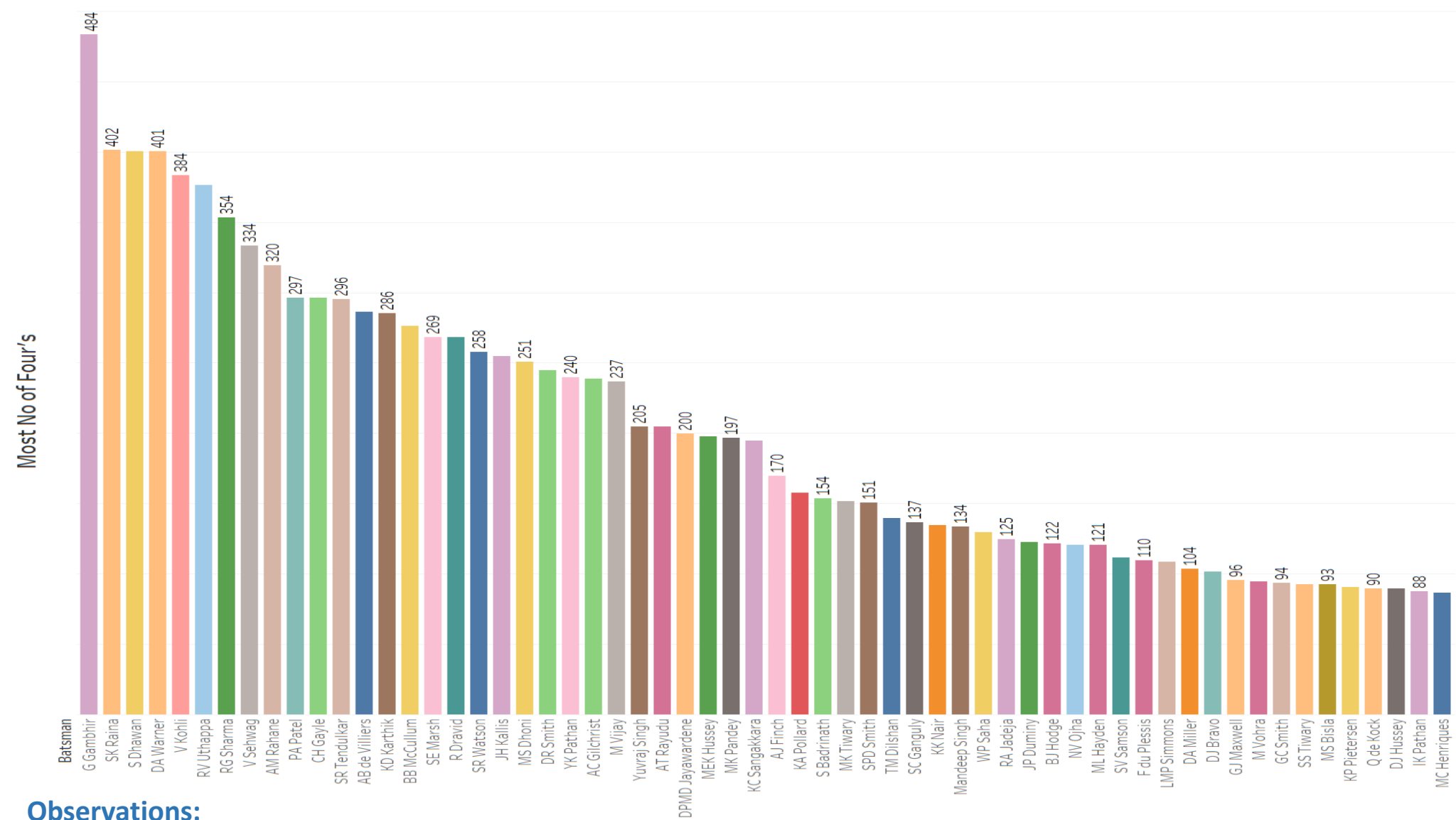
Chris Gayle hit maximum numbers no of Six's in 2013, and had hit maximum numbers of six in every season, followed by Suresh Raina, Rohit Sharma, Virat Kohli and so on.
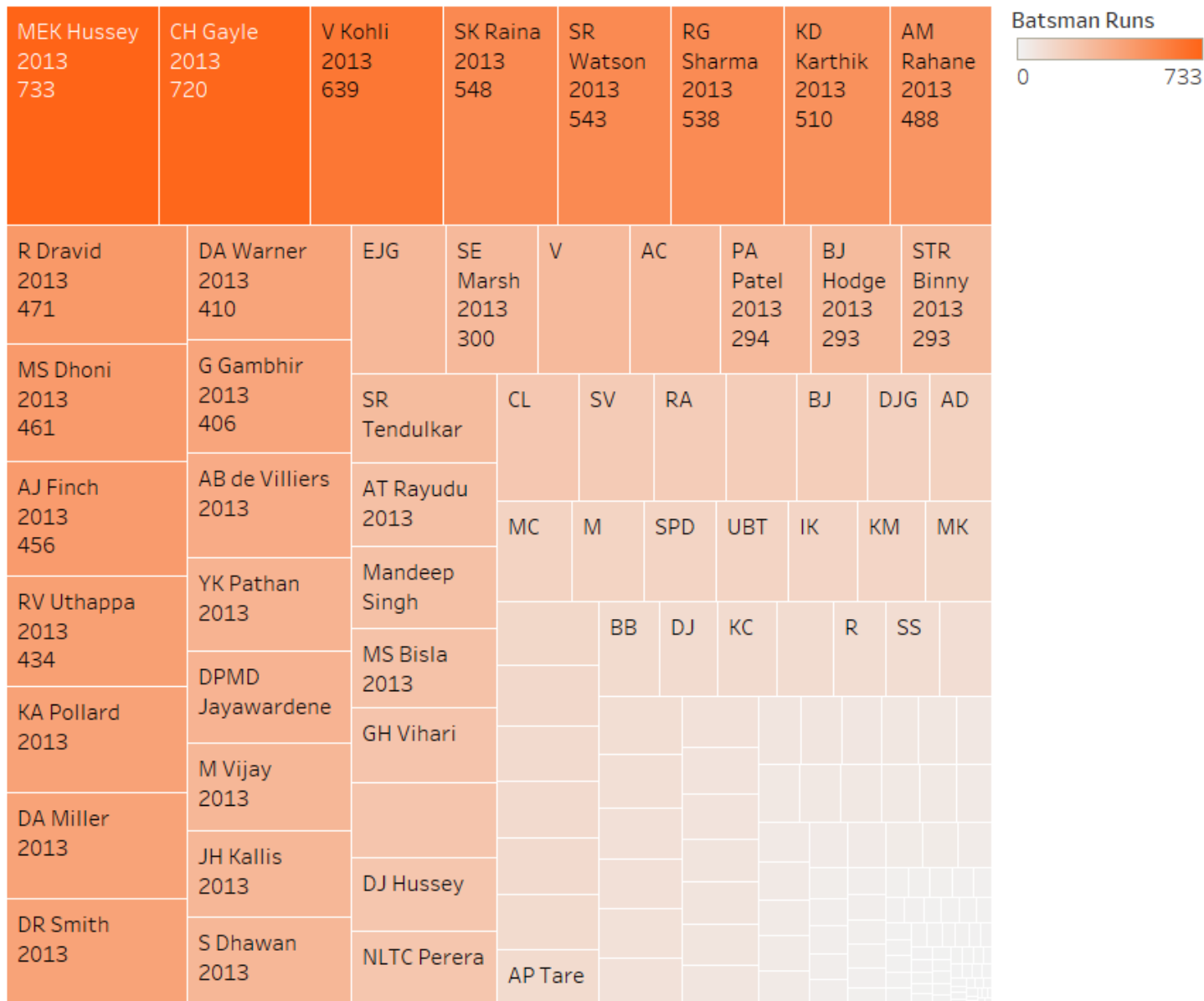
Most No of Four's

Observations:

Gautam Gambhir hit maximum numbers no of four's in 2013, and had hit maximum numbers of four's in every season, followed by Suresh Raina, Shikhar Dhawan, David Warner and so on.

Orange Cap Contenders

Batsman Runs
0   733

Batsman	Year	Runs
MEK Hussey	2013	733
CH Gayle	2013	720
V Kohli	2013	639
SK Raina	2013	548
SR Watson	2013	543
RG Sharma	2013	538
KD Karthik	2013	510
AM Rahane	2013	488
R Dravid	2013	471
DA Warner	2013	410
SE Marsh	2013	300
PA Patel	2013	294
BJ Hodge	2013	293
STR Binny	2013	293
MS Dhoni	2013	461
G Gambhir	2013	406
AJ Finch	2013	456
AB de Villiers	2013	
RV Uthappa	2013	434
YK Pathan	2013	
KA Pollard	2013	
DPMD Jayawardene		
DA Miller	2013	
M Vijay	2013	
DR Smith	2013	
JH Kallis	2013	
S Dhawan	2013	

Other labels shown: EJG, V, AC, SR Tendulkar, CL, SV, RA, BJ, DJG, AD, AT Rayudu 2013, MC, M, SPD, UBT, IK, KM, MK, Mandeep Singh, BB, DJ, KC, R, SS, MS Bisla 2013, GH Vihari, DJ Hussey, NLTC Perera, AP Tare

Observations:

In 2013, MEK Hussey snatch Orange cap by scoring Highest Run i.e. 733, followed by Chris Gayle with 720 after hitting maximum numbers of Six's, just 13 runs away from Orange cap.

Batsman, Date Year and sum of Batsman Runs. Color shows sum of Batsman Runs. Size shows sum of Batsman Runs. The marks are labeled by Batsman, Date Year and sum of Batsman Runs. The view is filtered on Date Year and Batsman. The Date Year filter keeps 2013. The Batsman filter keeps 461 of 461 members.

Purple Cap Contenders

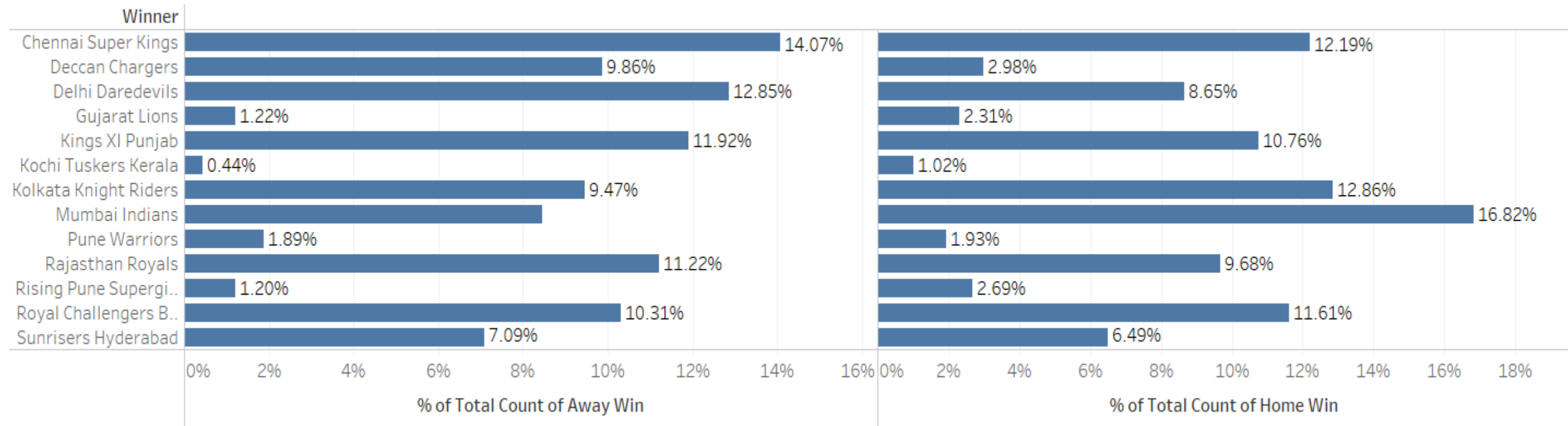| Bowler	Dismissed	Year
DJ Bravo	34	2013
MG Johnson	24	2013
JH Kallis	19	2013
R Ashwin	16	2013
SR Watson	16	2013
R Rampaul	15	2013
RA Jadeja	15	2013
RP Singh	14	2013
A Nehra	13	2013
B Kumar	13	2013
JP Faulkner	33	2013
SL Malinga	23	2013
AB Dinda	18	2013
JD Unadkat	13	2013
M Kartik	11	2013
PP Chawla	11	2013
R Bhatia	11	2013
KA Pollard	10	2013
R		
S		
R Vinay Kumar	27	2013
KK Cooper	22	2013
PP Ojha	18	2013
L Balaji	13	2013
SMSM		
Iqbal		
MR Marsh	7	2013
MS Gony	7	2013
STR Binny	7	2013
WD		
A		
SP Narine	26	2013
MM Sharma	21	2013
CH Morris	17	2013
P Kumar	13	2013
DS Kulkarni	8	
AD Mathews		
S Kaul	5	
Z Khan	5	
B Lee	4	
J		
JO		
R		
NLTC Perera	21	2013
Azhar Mahmood	16	2013
KV Sharma	12	2013
JA Morkel	8	
Harmeet Singh		
JJ		
M		
MM		
Harbhajan Singh	25	2013
DW Steyn	20	2013
I Sharma	16	2013
SK Trivedi	12	2013
M Morkel	8	
S Sreesanth		
DJG Sammy	11	
MC Henriques		
Yuvraj Singh		
A Mishra	24	2013
UT Yadav	20	2013
P Awana	16	2013
IK Pathan	11	
Sandeep Sharma		
J Botha		

Count of Player Di..
0 — 34

Bowler, count of Player Dismissed and Date Year. Color shows count of Player Dismissed. Size shows count of Player Dismissed. The marks are labeled by Bowler, count of Player Dismissed and Date Year. The view is filtered on Date Year, which keeps 2013.

Observations:

In 2013, DJ Bravo grab Purple cap by taking 34 wickets, if JP Faulkner takes one more wicket then it would be challenging for him to get purple cap.
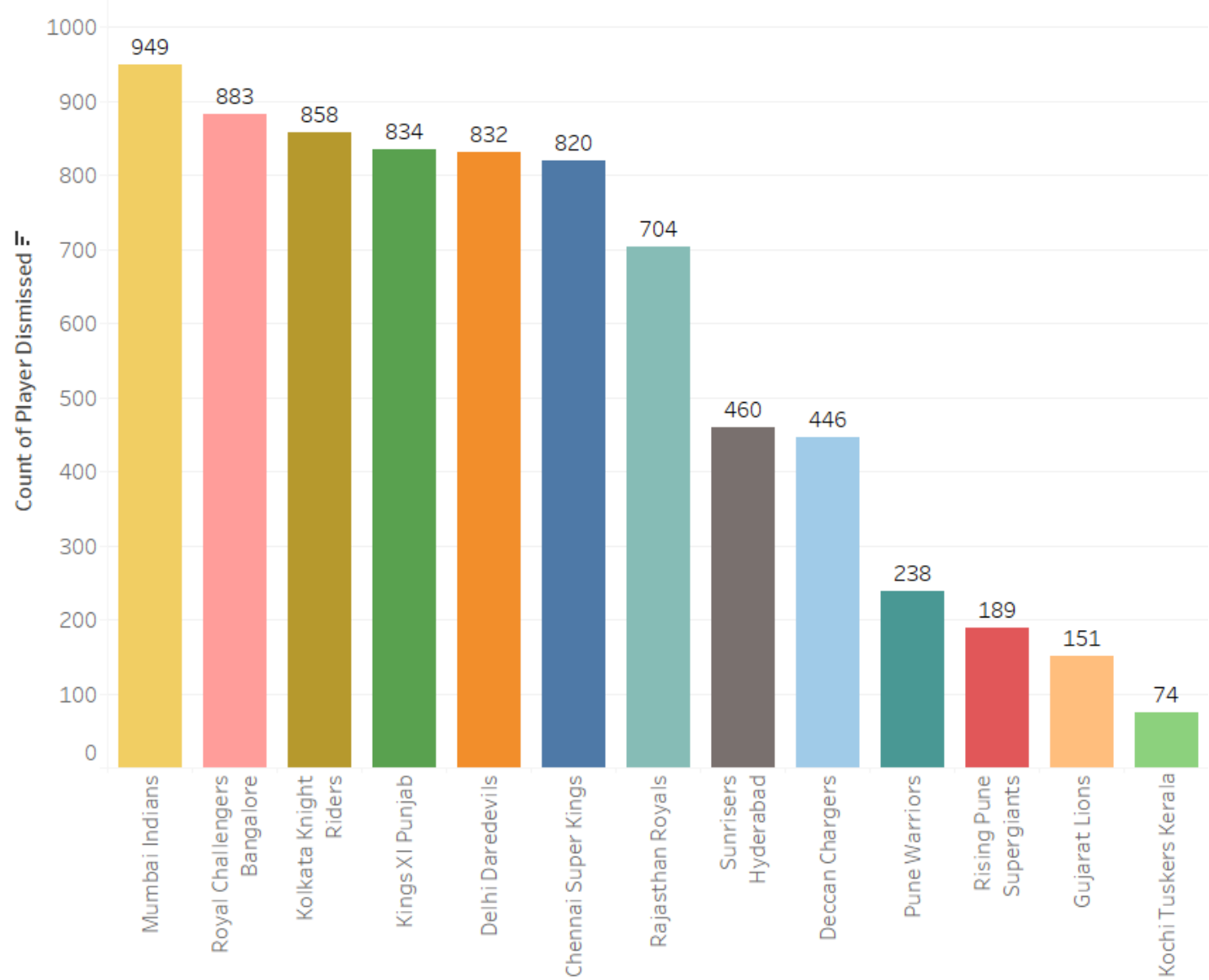
Wining Percentage Away v/s Home

Winner

Team	% of Total Count of Away Win	% of Total Count of Home Win
Chennai Super Kings	14.07%	12.19%
Deccan Chargers	9.86%	2.98%
Delhi Daredevils	12.85%	8.65%
Gujarat Lions	1.22%	2.31%
Kings XI Punjab	11.92%	10.76%
Kochi Tuskers Kerala	0.44%	1.02%
Kolkata Knight Riders	9.47%	12.86%
Mumbai Indians		16.82%
Pune Warriors	1.89%	1.93%
Rajasthan Royals	11.22%	9.68%
Rising Pune Supergi..	1.20%	2.69%
Royal Challengers B..	10.31%	11.61%
Sunrisers Hyderabad	7.09%	6.49%

% of Total Count of Away Win and % of Total Count of Home Win for each Winner. For pane % of Total Count of Away Win: The marks are labeled by % of Total Count of Away Win. For pane % of Total Count of Home Win: The marks are labeled by % of Total Count of Home Win. The data is filtered on Season, which ranges from 2008 to 2017. The view is filtered on Winner, which excludes Null.

Observations:

- If we talk about matches won on the home ground then Mumbai Indians won around 17% matches on home ground as compare to Kochi Tuskers which is of 1.02%.

- On the other side Chennai Super kings won highest matches among other teams away from his home ground which is around 14% and again Kochi Tuskers which is 0.44%, that is least among all other teams hence worst performer of the season.
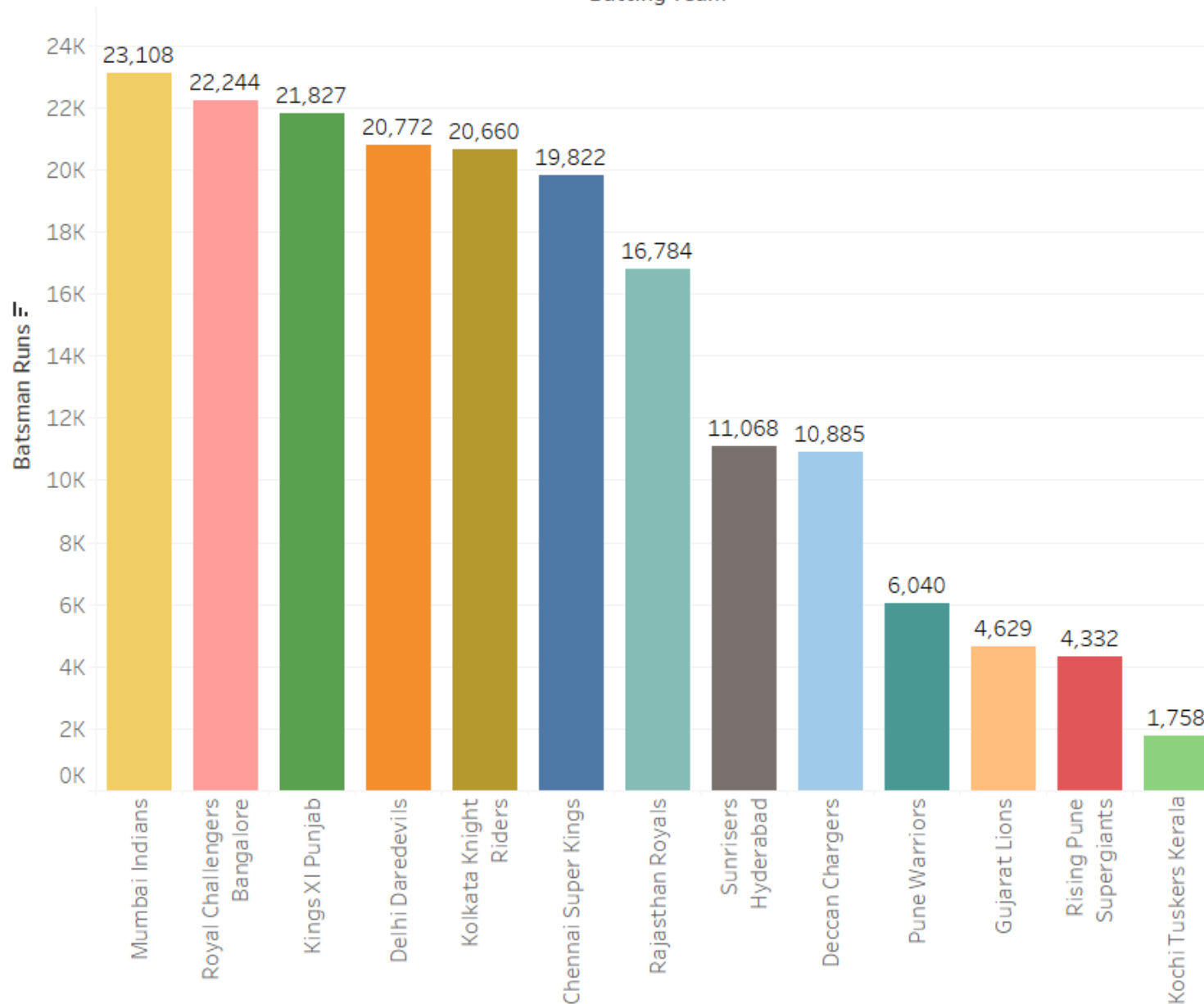
Team Wise Wicket

Bowling Team

Count of Player Dismissed for each Bowling Team. Color shows details about Bowling Team. The marks are labeled by count of Player Dismissed. The view is filtered on Bowling Team and count of Player Dismissed. The Bowling Team filter keeps 13 of 13 members. The count of Player Dismissed filter includes everything.

Observations:

Mumbai Indians leads as the most wicket taking team compares to other with the total of 949 wickets in a season, followed by Royal Challengers Bangalore with 883, Kolkata Knight Riders with 858 and the least wicket taking team is as predicated Kochi Tuskers Kerela with 74 wickets the whole season.

Team Wise Score

Batting Team

Sum of Batsman Runs for each Batting Team. Color shows details about Batting Team. The marks are labeled by sum of Batsman Runs.

Observations:

If we talk about team wise score then again Mumbai Indians tops with 23108 scored during the season, followed by Royal Challengers Bangalore scored 22244, we can see same pattern of team which hit most wickets while there are some change between teams who compete with each other, As expected with pervious results Kochi Tuskers Kerela is last among other teams with the score of 1758 which is least.

Thank You!