

IPL VISUALIZATION IN TABLEAU

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10TH AUG '22

TASKS INCLUDED:

Combining the information in these data sets of matches.csv and deliveries.csv , the following interactive dashboard was created that highlights some of the important statistics of IPL over the years.

ASSIGNMENT SUB-TASKS:

1. Match Statistics

- Toss outcome vs Match outcome (for each Ground/Venue)
- Biggest wins (by runs and by wicket)
- Highest totals (across all the seasons)

2. Player Statistics

- Orange Cap contenders (The batsmen who have scored the maximum number of runs in a particular season)
- Purple Cap contenders (The bowlers who have taken the maximum number of wickets in a particular season)
- Batsmen who have hit the most number of fours and sixes (per season and overall)

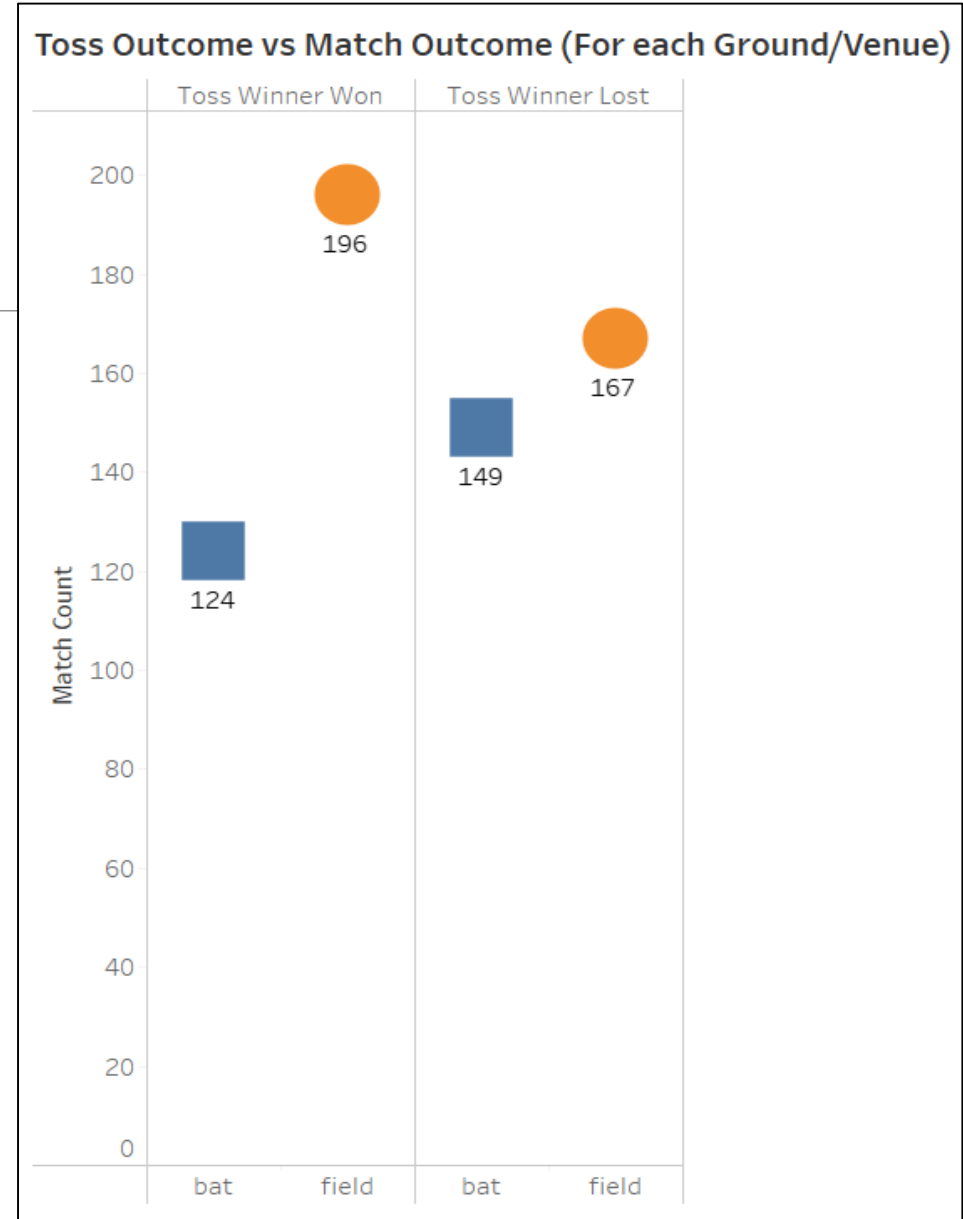
3. Team Statistics

Season-wise team performance (wins vs losses)
Win %age (home vs away)

1. MATCH STATISTICS

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

- The teams that won the toss and choose to bat faced more losses.
- The teams that won the toss and choose to field had more wins.
- The reason could be that the team which choose to field first were able to chase the target set by the batting team as the batting team has not pre-planned a set target of runs.

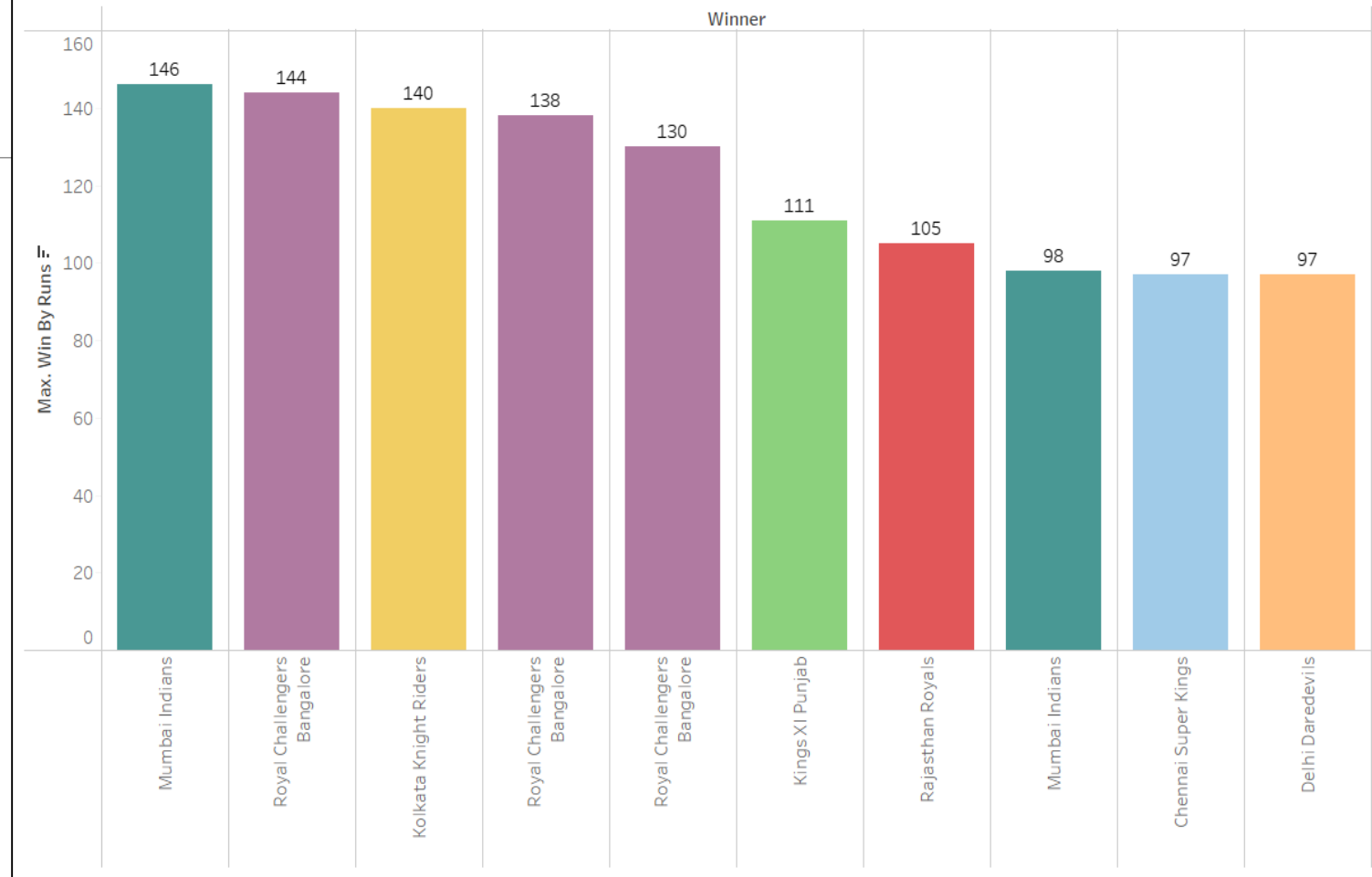


Biggest win by Runs

The top 3 teams to have the biggest win by runs are –

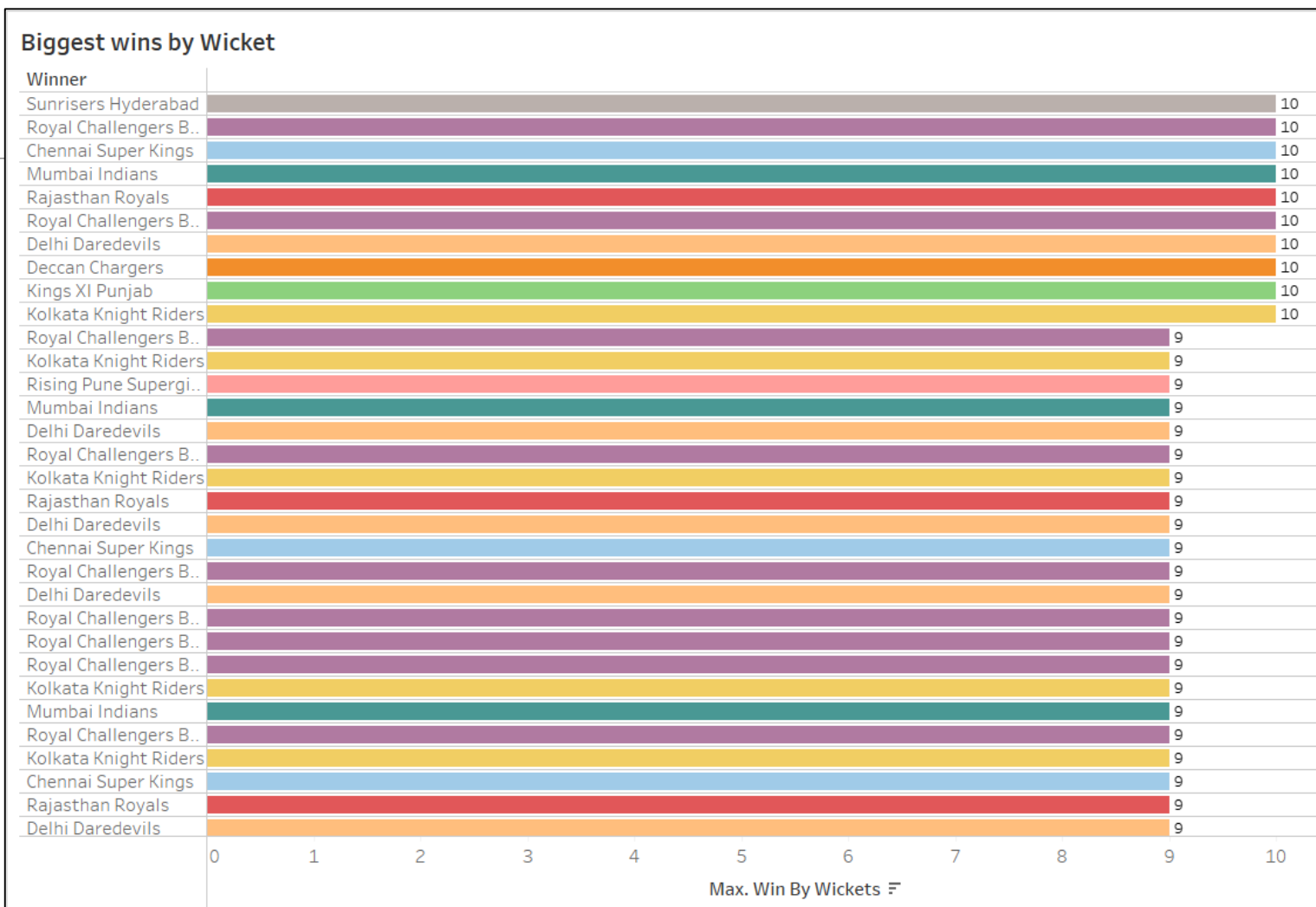
- Mumbai Indians won by 146 runs.
- Royal Challengers Bangalore won by 144 runs.
- Kolkata Knight Riders won by 140 runs.

Biggest wins by Runs



Biggest win by Wickets

- 70 Teams have won by 7 wickets and accounts for the highest.
- 68 Teams have won by 6 wickets.
- 10 Teams have won by 10 wickets.
- Winning by 5-8 wickets accounts for the maximum portion of wins by wickets.



Biggest win by Runs and Wickets

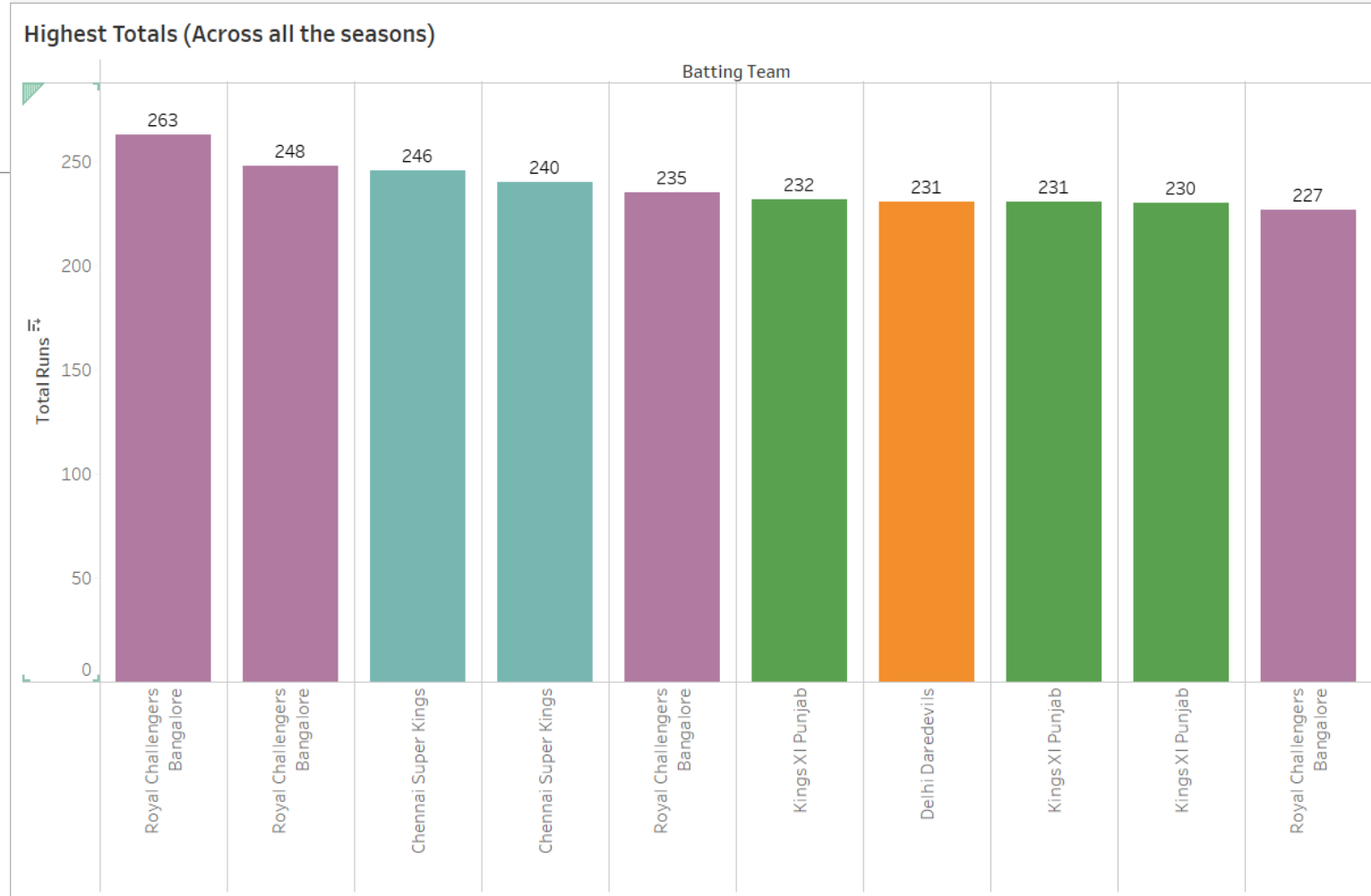
- Mumbai Indians have the biggest win by runs and wickets at 146 and 10 respectively.
- Royal Challengers Bangalore are the next with 144 runs and 10 wickets.
- Kolkata Knight Riders are the next with 140 runs and 10 wickets.

Biggest wins by Runs and Wicket

Mumbai Indians Wins by Runs: 146 Wins by Wickets: 10	Kings XI Punjab Wins by Runs: 111 Wins by Wickets: 10	Delhi Daredevils Wins by Runs: 97 Wins by Wickets: 10	Sunrisers Hyderabad Wins by Runs: 85 Wins by Wickets: 10
Royal Challengers Bangalore Wins by Runs: 144 Wins by Wickets: 10	Rajasthan Royals Wins by Runs: 105 Wins by Wickets: 10	Deccan Chargers Wins by Runs: 82 Wins by Wickets: 10	Pune Warriors Wins by Runs: 38 Wins by Wickets: 7
Kolkata Knight Riders Wins by Runs: 140 Wins by Wickets: 10	Chennai Super Kings Wins by Runs: 97 Wins by Wickets: 10	Rising Pune Supergiants Wins by Runs: 61 Wins by Wickets: 9	Kochi Tuskers Kerala Wins by

Highest Totals (Across all the seasons)

- Highest score (2008-2017) is scored by Royal Challengers Bangalore is 263 runs.
- Royal Challengers Bangalore has the second highest score as well i.e. 248 runs.
- Chennai Super Kings is the third highest with 246 runs.



2. PLAYER STATISTICS

Orange Cap contenders (The batsmen having the maximum number of runs)

- 2008 – SE Marsh – 626 Runs
- 2009 – ML Hayden – 572 Runs
- 2010 – Sachin Tendulkar – 618 Runs
- 2011 – CH Gayle – 608 Runs
- 2012 – CH Gayle – 733 Runs
- 2013 – MEK Hussey – 733 Runs
- 2014 – RV Uthappa – 660 Runs
- 2015 – DA Warner – 562 Runs
- 2016 – V Kolhi – 973 Runs
- 2017 – DA Warner – 641 Runs

Orange Cap Contenders in 2008

SE Marsh 616 2008	GC Smith 441 2008	MS Dhoni 414 2008	V Sehwag 406 2008	RG Sharma 404 2008
G Gambhir 534 2008	AC Gilchrist 436 2008	R Dravid 371 2008	KC Sangakkara 320 2008	RV Uthappa 320 2008
ST Jayasuriya 514 2008	YK Pathan 435 2008	SC Ganguly 349 2008	DJ Hussey 319 2008	
SR Watson 472 2008	SK Raina 421 2008	S Dhawan 340 2008	SA Asnodkar 311 2008	

Purple Cap contenders (The bowlers having maximum number of wickets)

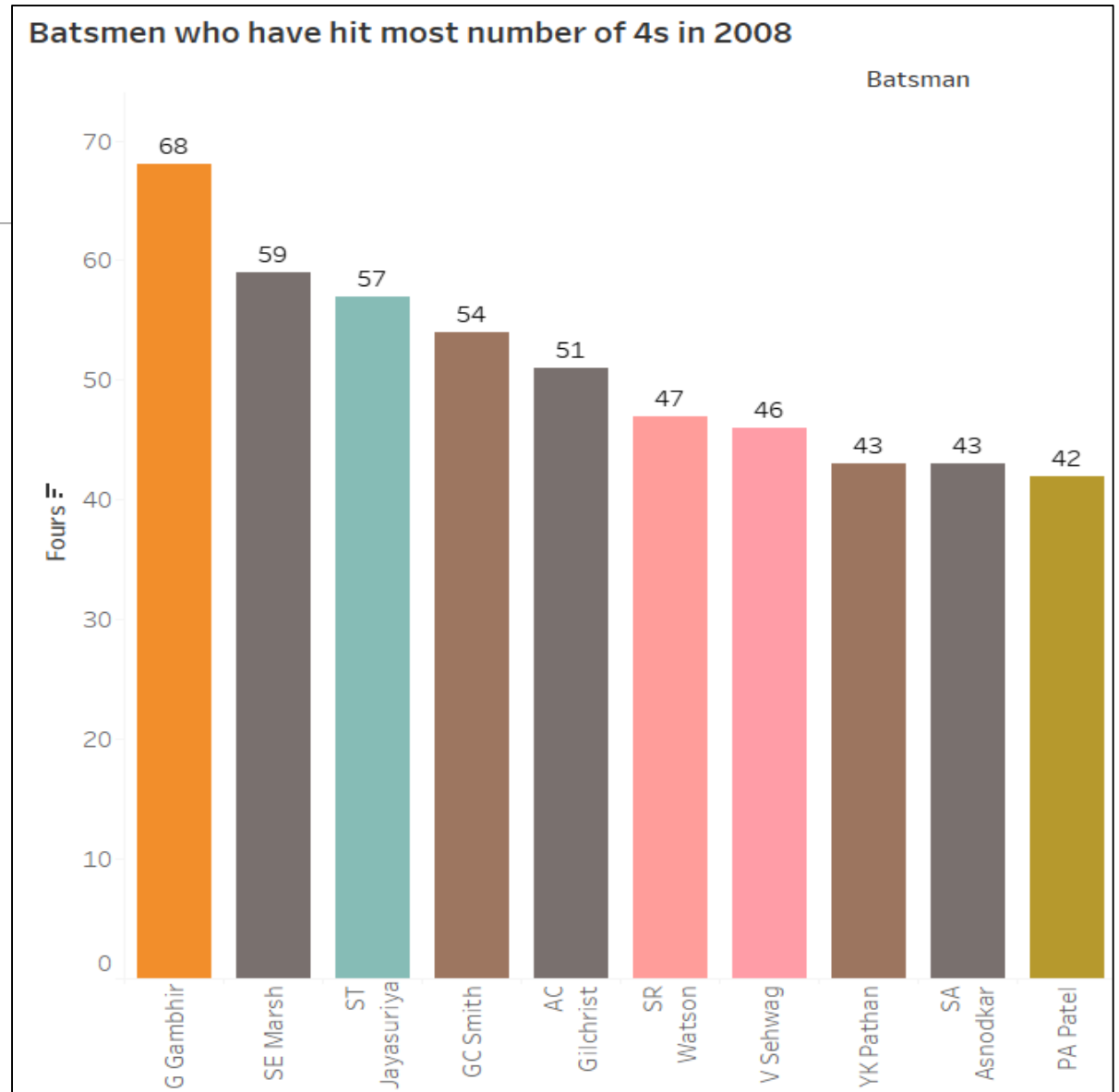
- 2008 – Sohail Tanvir – 24 Wickets
- 2009 – RP Singh – 26 Wickets
- 2010 – PP Ohja – 22 Wickets
- 2011 – SL Malinga – 30 Wickets
- 2012 – M Morkel – 30 Wickets
- 2013 – DJ Bravo – 34 Wickets
- 2014 – MM Sharma – 26 Wickets
- 2015 - DJ Bravo – 28 Wickets
- 2016 – B Kumar – 24 Wickets
- 2017 – B Kumar – 28 Wickets

Purple Cap Contenders in 2008

Sohail Tanvir 24 2008	SR Watson 20 2008	MS Gony 18 2008	RP Singh 17 2008	VY Mahesh 17 2008
IK Pathan 20 2008	MF Maharooof 19 2008			
JA Morkel 20 2008	PP Chawla 19 2008			
SK Warne 20 2008	S Sreesanth 19 2008	MM Patel 16 2008	VRV Singh 15 2008	
		SK Trivedi 15 2008	Z Khan 15 2008	

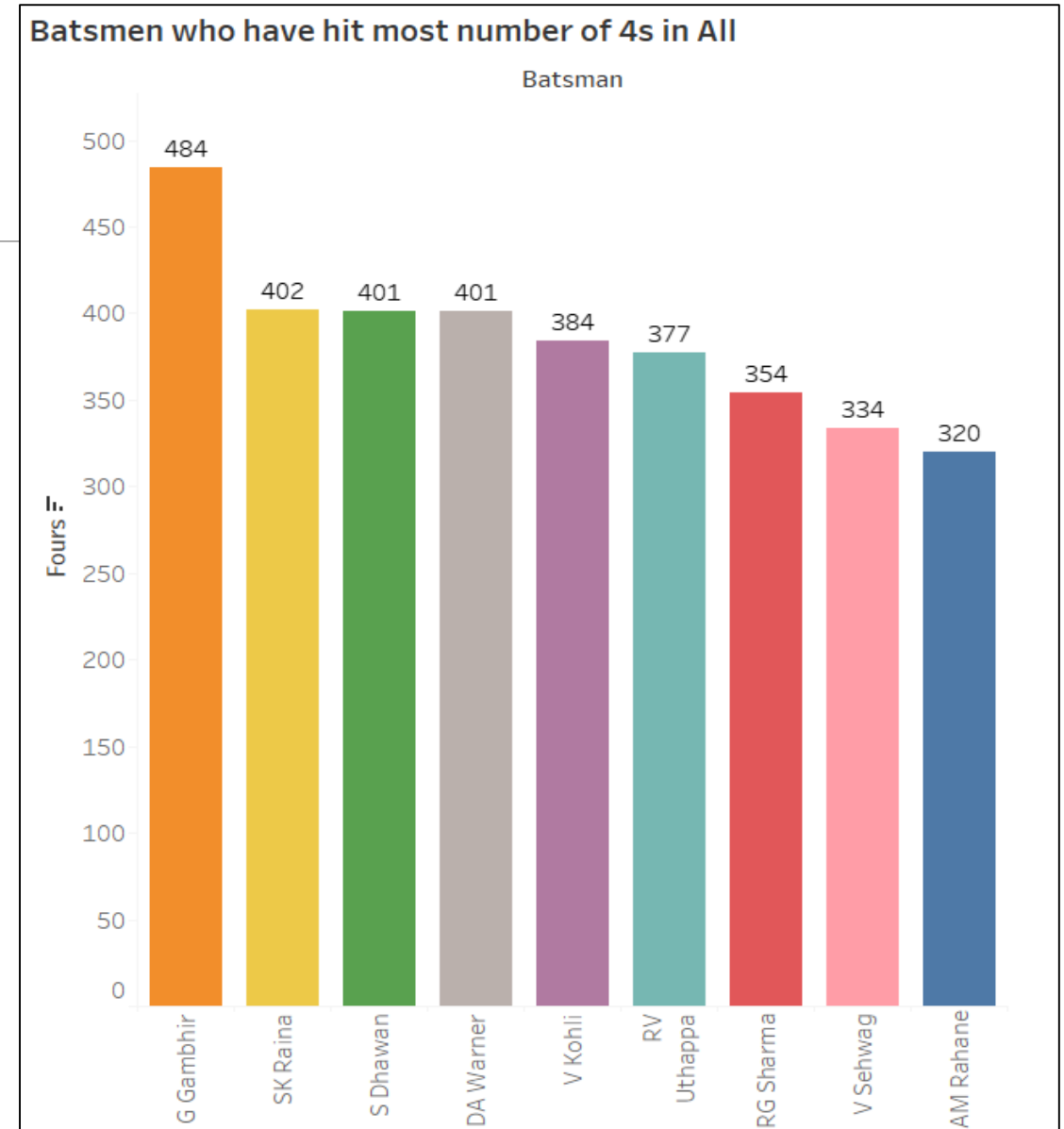
Batsmen who have hit the most number of fours in a particular season

- 2008 – G Gambhir – 68
- 2009 – ML Hayden – 60
- 2010 – SR Tendulkar – 86
- 2011 – SR Tendulkar – 67
- 2012 – AM Rahane – 73
- 2013 – MEK Hussey – 81
- 2014 – RV Uthappa – 74
- 2015 – DA Warner – 65
- 2016 – DA Warner – 88
- 2017 – DA Warner – 63



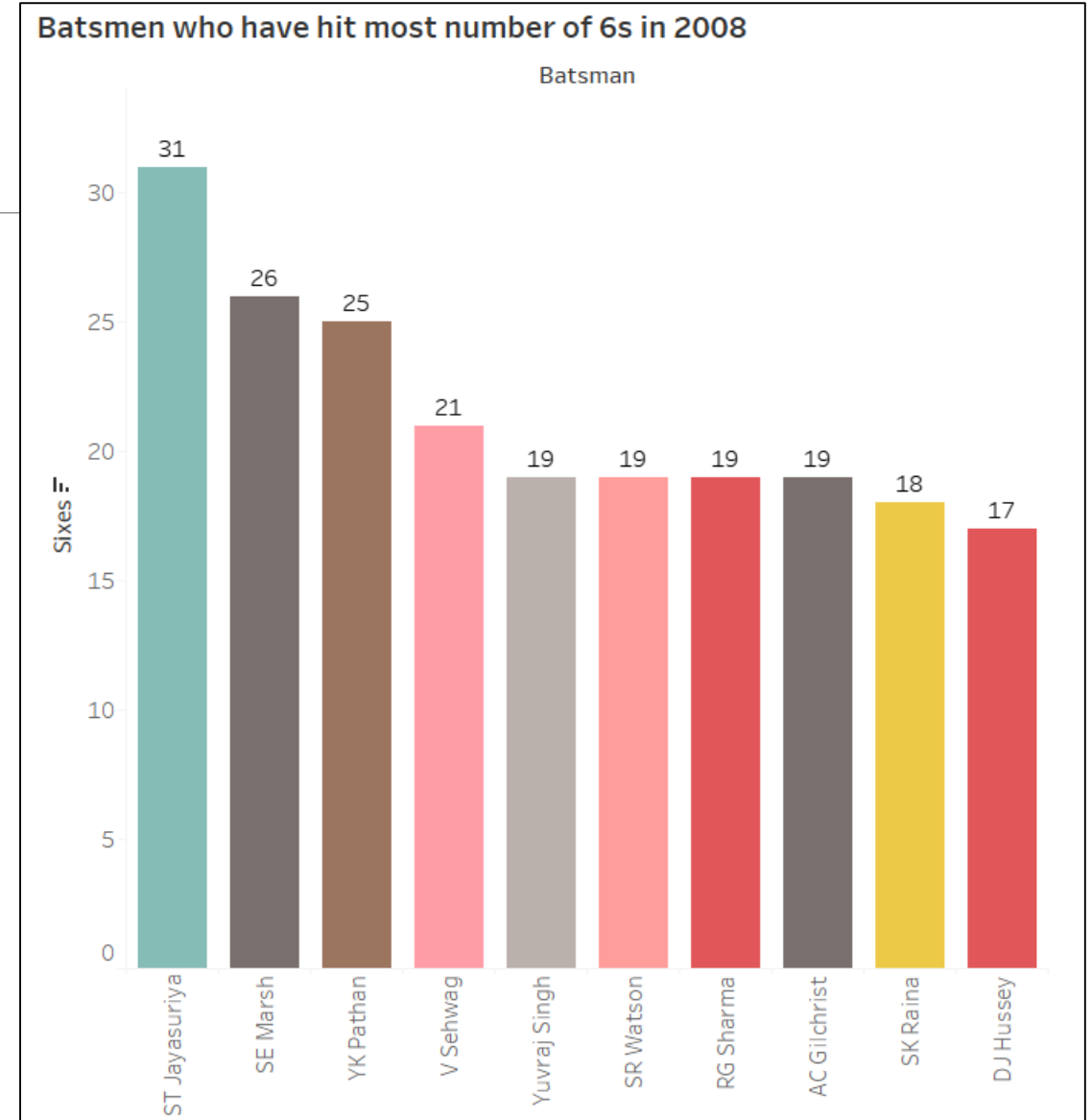
Batsmen who have hit the most number of fours across all the seasons

- G Gambhir has the most number of 4's across all the season which is 484.
- Followed by SK Raina at 402.
- Closely followed by S Dhawan and DA Warner at 401.



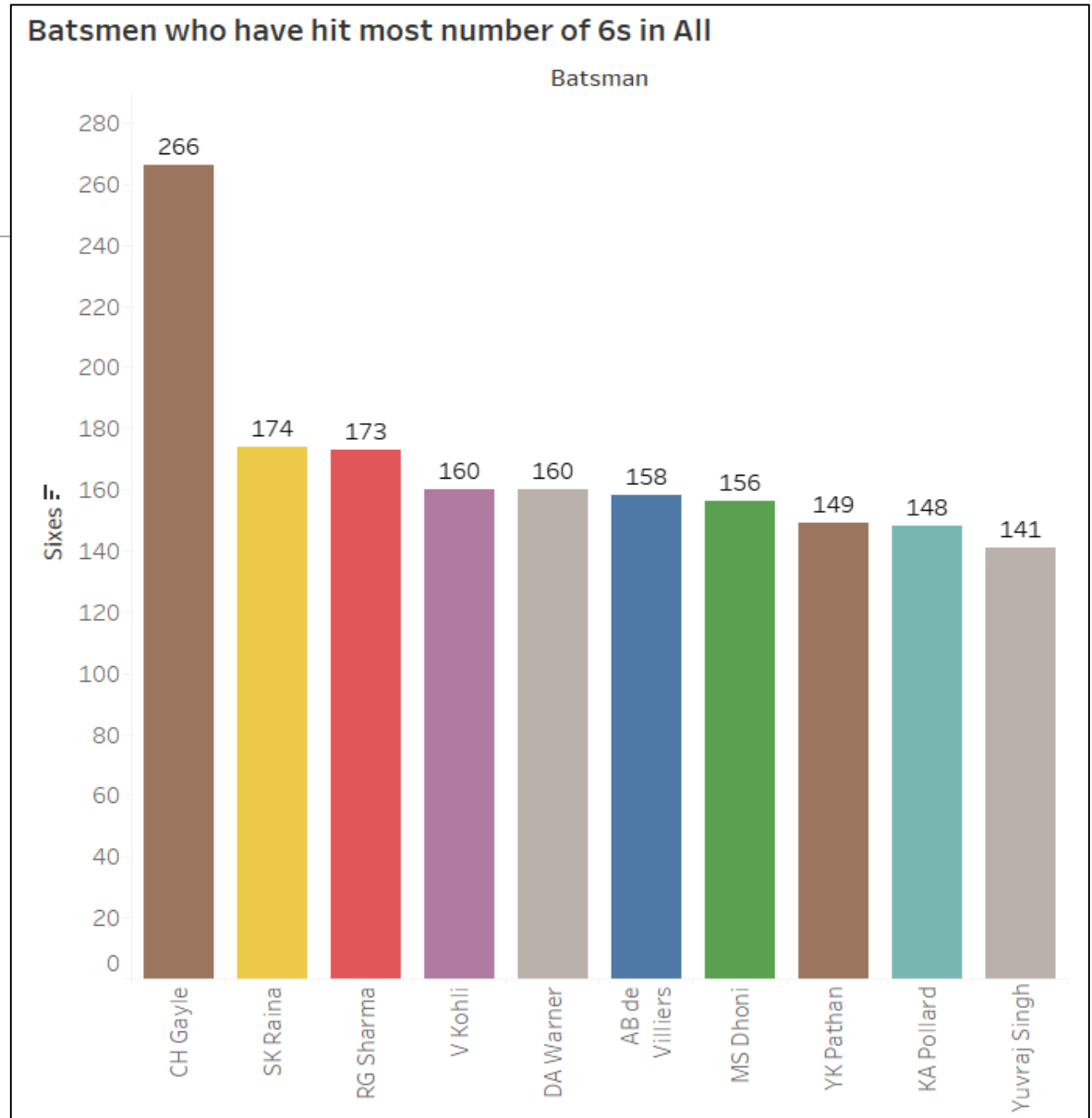
Batsmen who have hit the most number of sixes in a particular season

- 2008 – ST Jayasuriya – 31
- 2009 – AC Gilchrist – 29
- 2010 – RV Uthappa – 27
- 2011 – CH Gayle – 44
- 2012 – CH Gayle – 59
- 2013 – CH Gayle – 52
- 2014 – GJ Maxwell – 36
- 2015 – CH Gayle – 38
- 2016 – V Kohli – 38
- 2017 – GJ Maxwell and DA Warner - 26



Batsmen who have hit the most number of sixes across all the seasons

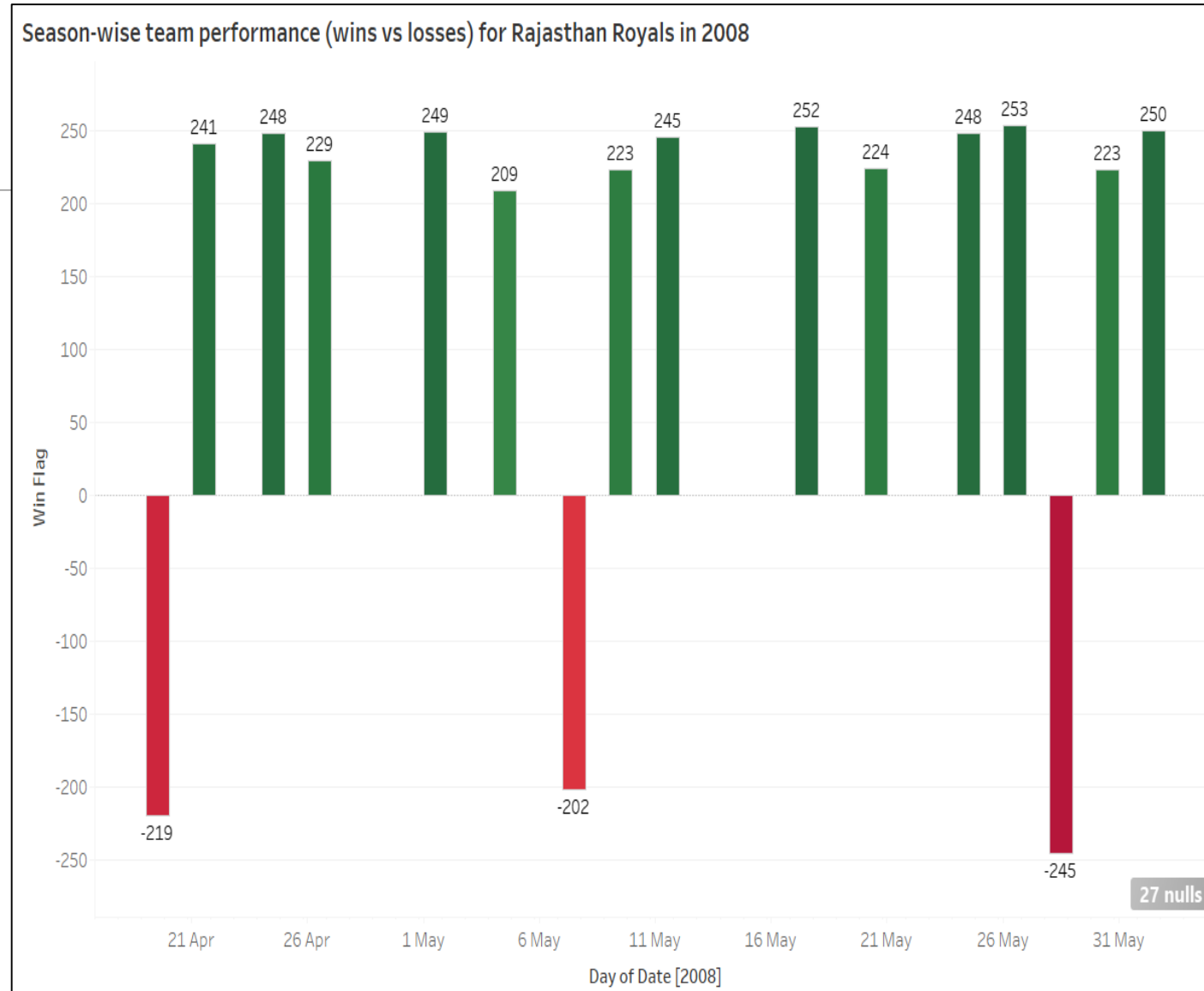
- CH Gayle has the most number of 6's across all the season which is 266.
- Followed by SK Raina at 172.
- Closely followed by RG Sharma at 173.



3. TEAM STATISTICS

Season-wise team performance (wins vs losses)

- 2008 – Rajasthan Royals and Kings XI Punjab had more wins.
- 2010 – Mumbai Indians performed well.
- 2011 – CSK performed better and Rising Pune Supergiants didn't perform well.
- 2012 – Delhi Daredevils outperformed other teams.
- 2014 – Kolkata Knight Riders had more wins.
- 2015 – CSK had equal wins and losses.
- 2017 – Mumbai Indians and Sunrisers Hyderabad had more losses.



Win Percentage in Home Ground vs Foreign Ground

- Rajasthan Royals won all the matches in home ground in the year 2008 and 2013.
- Chennai Super Kings won all the matches in home ground in the year 2011.
- Mumbai Indians won all the matches in home ground in the year 2013.
- Kolkata Knight Riders won all the matches in home ground in the year 2014.

Win % (home vs away) for Rajasthan Royals in All								
Hom..	Date							
	2008	2009	2010	2011	2012	2013	2014	2015
Away	58.76%		17.57%	39.57%	36.87%	25.23%	50.85%	28.64%
Home	100.00%		57.21%	56.25%	50.82%	100.00%	50.20%	49.79%
NA	100.00%	46.60%	100.00%	0.00%		49.39%	48.01%	67.55%