

# IPL Tableau Assignment

- Match Statistics

- Player Statistics

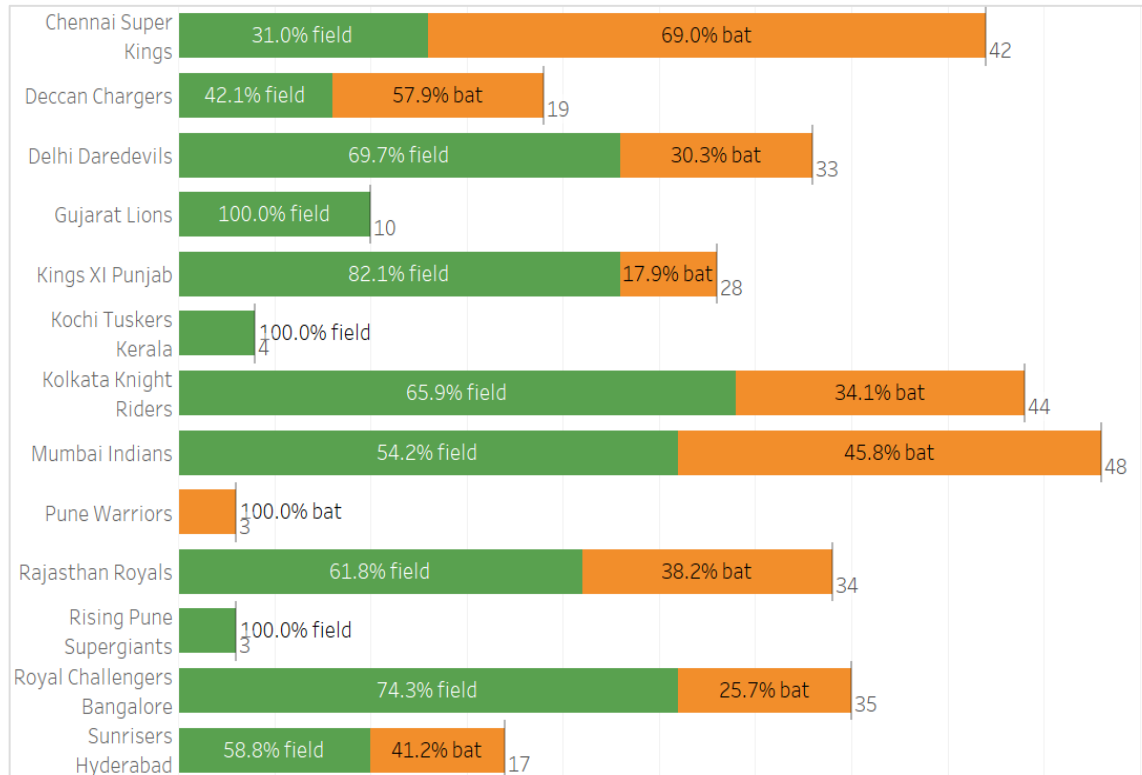
- Team Statistics

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# Toss Outcome vs Match Outcome

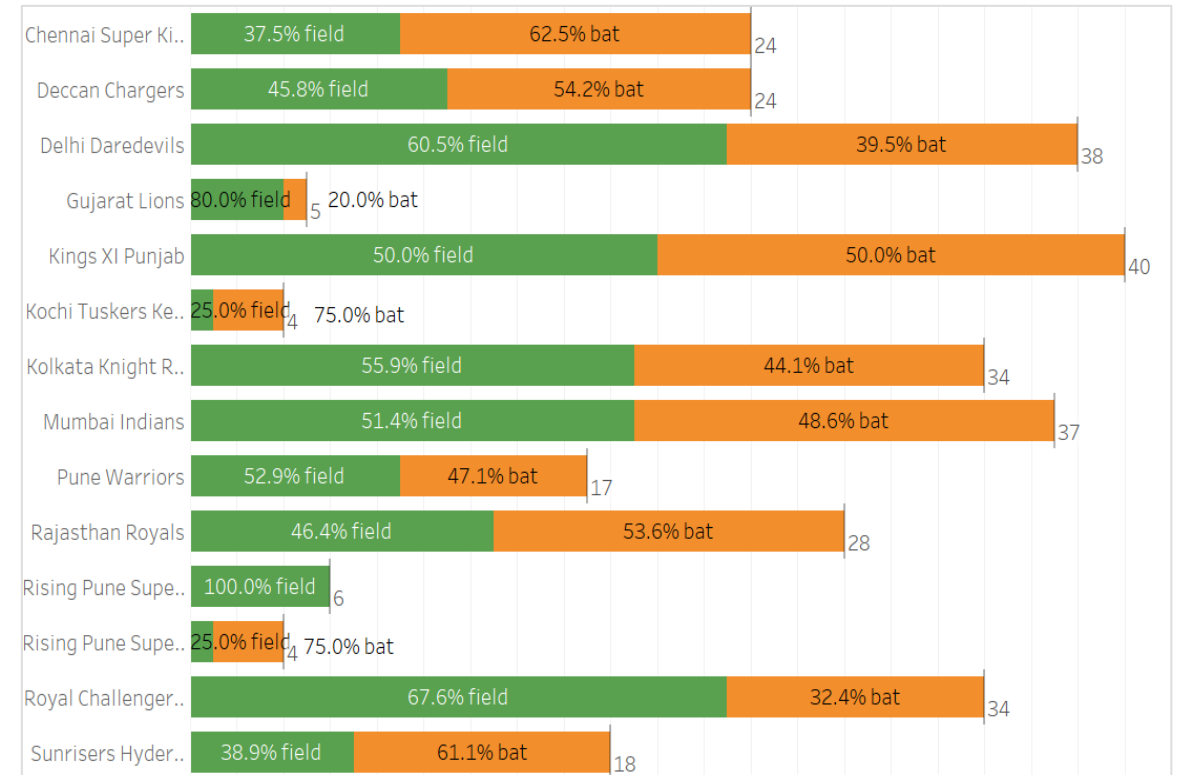


## Toss: Won & Match: Won



Distinct count of Id for each Toss\_Match\_Winner. Color shows details about Toss Decision. The marks are labeled by % of Total Distinct count of Id and Toss Decision.

## Toss: Won & Match: Lost



Distinct count of Id for each Toss\_Winner\_Match\_Loser. Color shows details about Toss Decision. The marks are labeled by % of Total Distinct count of Id and Toss Decision.

- The decision of Toss Winner has a little impact on the Match Winner.
- 77% of times team opting to field first has won the matches. (fielding> batting)
- Gujarat Lions, Kochi Tuskers, Rajasthan Royals, Sunrisers Hyderabad have advantage in choosing fielding.

# Biggest Wins

## By Runs

Venue	Winner	Season	Player Of Mat..	
Feroz Shah Kotla	MI	2017	LMP Simmons	146
	MI	2010	SR Tendulkar	98
M Chinnaswamy Stadium	KKR	2008	BB McCullum	140
	RCB	2013	CH Gayle	130
	RCB	2015	CH Gayle	138
	RCB	2016	AB de Villiers	144
Himachal Prades..	KXIP	2011	AC Gilchrist	111
MA Chidambara..	CSK	2015	BB McCullum	97
Maharashtra Cri..	DD	2017	SV Samson	97
Wankhede Stadi..	RR	2008	SR Watson	105

## By Wickets (# of wickets= 10)



- Venue: Batting: Feroz Shah Kotla Stadium and M Chinnaswamy Stadium are good for batsmen
- Venue: Bowling: Punjab Cricket Stadium and Saurashtra Stadium are good for bowlers
- Players: Gayle and McCullum are player of match for biggest win by runs
- Team: MI and RCB have won most by runs. RCB has won most by wickets as well.



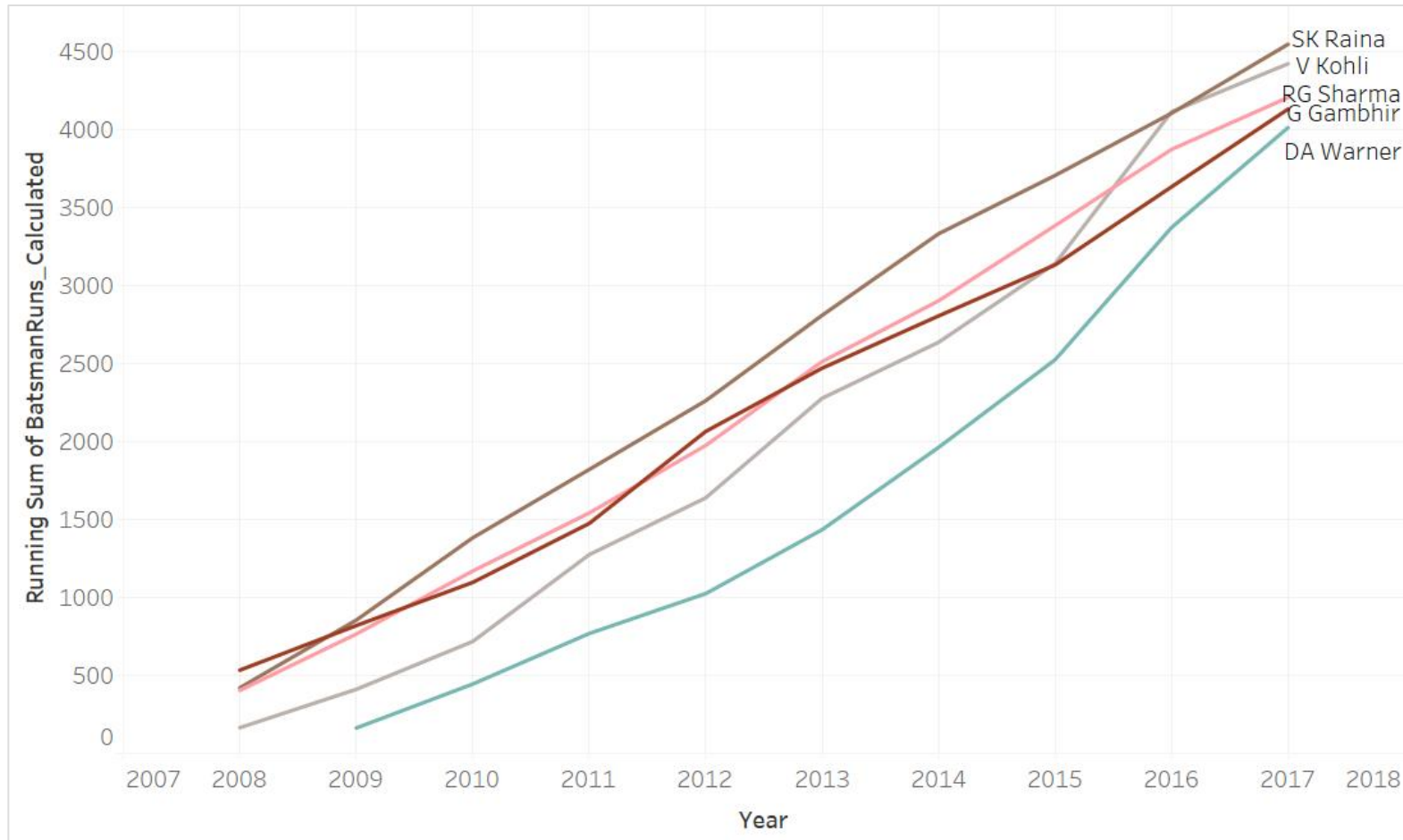
# Highest Totals

Total Runs: <b>469</b> Winner of Match: <b>CSK</b> Season: <b>2010</b> Player of Match: <b>M Vijay</b> Venue: <b>MA Chidambaram Stadium, Chepauk</b>	Total Runs: <b>433</b> Winner of Match: <b>DD</b> Season: <b>2011</b> Player of Match: <b>DA Warner</b> Venue: <b>Feroz Shah Kotla</b>	Total Runs: <b>428</b> Winner of Match: <b>KXIP</b> Season: <b>2014</b> Player of Match: <b>V Sehwag</b> Venue: <b>Wankhede Stadium</b>	Total Runs: <b>422</b> Winner of Match: <b>DD</b> Season: <b>2017</b> Player of Match: <b>RR Pant</b> Venue: <b>Feroz Shah Kotla</b>
Total Runs: <b>453</b> Winner of Match: <b>KXIP</b> Season: <b>2017</b> Player of Match: <b>WP Saha</b> Venue: <b>Wankhede Stadium</b>	Total Runs: <b>431</b> Winner of Match: <b>RR</b> Season: <b>2008</b> Player of Match: <b>YK Pathan</b> Venue: <b>Rajiv Gandhi International Stadium, Uppal</b>	Total Runs: <b>420</b> Winner of Match: <b>MI</b> Season: <b>2010</b> Player of Match: <b>YK Pathan</b> Venue: <b>Brabourne Stadium</b>	
Total Runs: <b>447</b> Winner of Match: <b>CSK</b> Season: <b>2008</b> Player of Match: <b>MEK Hussey</b> Venue: <b>Punjab Cricket Association Stadium, Mohali</b>	Total Runs: <b>431</b> Winner of Match: <b>RCB</b> Season: <b>2015</b> Player of Match: <b>AB de Villiers</b> Venue: <b>Wankhede Stadium</b>	Total Runs: <b>418</b> Winner of Match: <b>KXIP</b> Season: <b>2014</b> Player of Match: <b>GJ Maxwell</b> Venue: <b>Barabati Stadium</b>	

- In season 2010, CSK has achieved the record of Highest total runs of 469 across all seasons and teams.
- Only KXIP could come closer to this brilliant performance in season 2017 with 453 total runs.
- In the top 10 Highest totals, CSK features twice, KXIP features thrice and DD features twice.
- Since, it is a 20 over play, total runs above 400 are really an achievement.



# Race to the Orange Cap

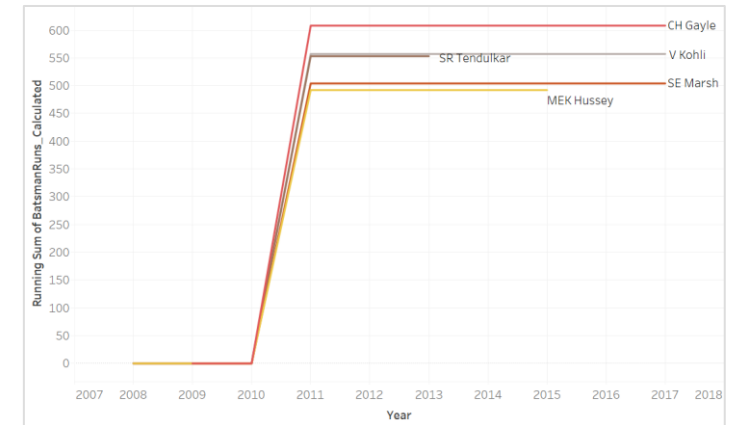
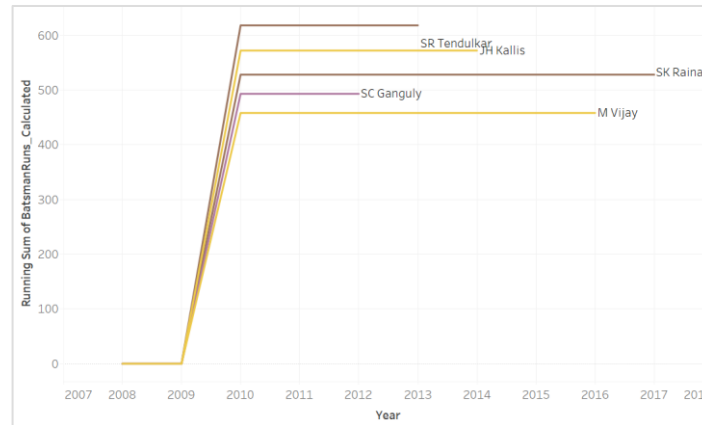
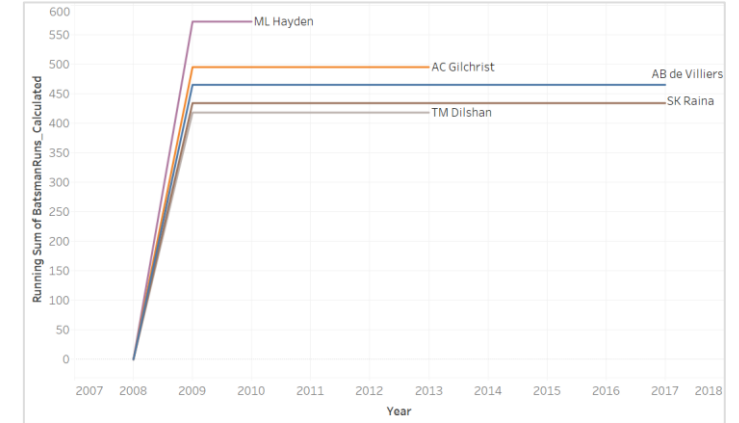
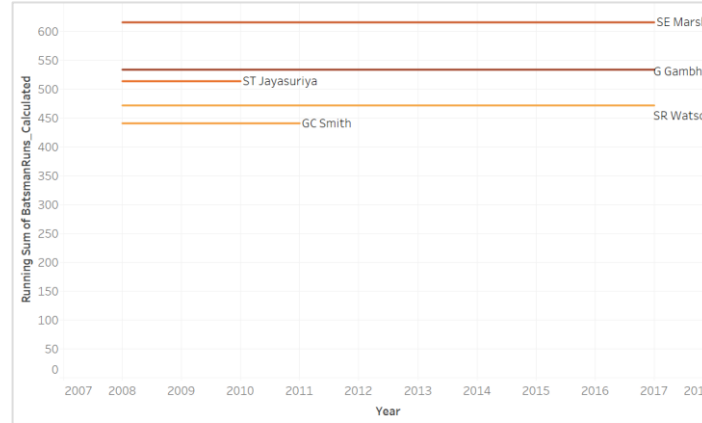


- Overall, Suresh Raina leads the Orange cap holders with a maximum runs of 4, 548.
- Virat Kohli is not far behind Suresh Raina with 4,423 total runs in all the seasons.
- Up next, Rohit Sharma comes third in this race with 4,207 total runs across all seasons.
- Gambhir stands fourth in the list followed by Warner with 4,132 and 4,014 total runs respectively.



# Race to the Orange Cap

Season	Orange Cap Winner
2008	SE Marsh
2009	ML Hayden
2010	Sachin Tendulkar
2011	Gayle
2012	Gayle
2013	Hussey
2014	Uthappa
2015	Warner
2016	Kohli
2017	Warner



- CH Gayle and DA Warner have won the Orange Cap for maximum runs in a season twice in the entire IPL.
- CH Gayle belongs to RCB and Warner belongs to SRH when they won their Orange Caps.



# Race to the Purple Cap

Bowler: <b>SL Malinga</b> Wickets Taken: <b>154</b> Bowling Team: <b>Mumbai Indians</b>			Bowler: <b>Harbhajan Singh</b> Wickets Taken: <b>127</b> Bowling Team: <b>Mumbai Indians</b>	Bowler: <b>PP Chawla</b> Wickets Taken: <b>84</b> Bowling Team: <b>Kings XI Punjab</b>	
Bowler: <b>A Mishra</b> Wickets Taken: <b>74</b> Bowling Team: <b>Delhi Daredevils</b>	Bowler: <b>A Mishra</b> Wickets Taken: <b>32</b> Bowling Team: <b>Deccan Chargers</b>	Bowler: <b>A Mishra</b> Wickets Taken: <b>28</b> Bowling Team:		Bowler: <b>PP Chawla</b> Wickets Taken: <b>42</b> Bowling Team: <b>Kolkata Knight Riders</b>	
			Bowler: <b>DJ Bravo</b> Wickets Taken: <b>79</b> Bowling Team: <b>Chennai Super Kings</b>		Bowler: <b>DJ Bravo</b> Wickets Taken: <b>26</b> Bowling Team: <b>Mumbai Indians</b>
					Bowler: <b>DJ Bravo</b> Wickets Taken: <b>17</b>

- Overall, Malinga leads the Purple cap holders with a maximum wickets of 154.
- Harbhajan is not far behind Malinga with 127 wickets taken in all the seasons.
- Up next, PP Chawla comes third in this race with 84 total wickets across all seasons.
- Bravo stands fourth in the list followed by Mishra with 79 and 74 total wickets respectively.



# Race to the Purple Cap

Season	Purple Cap Winner
2008	Sohail Tanvir
2009	RP Singh
2010	PP Ojha
2011	Malinga
2012	Morkel
2013	Bravo
2014	MM Sharma
2015	Bravo
2016	B Kumar
2017	B Kumar

Bowler: Sohail Tanvir  
Wickets Taken: 22  
Bowling Team: Rajasthan Royals

Bowler: JA Morkel  
Wickets Taken: 17  
Bowling Team: Chennai Super Kings

Bowler: SR Watson  
Wickets Taken: 17  
Bowling Team: Rajasthan Royals

Bowler: RP Singh  
Wickets Taken: 23  
Bowling Team: Deccan Chargers

Bowler: A Nehra  
Wickets Taken: 19  
Bowling Team: Delhi Daredevils

Bowler: PP Ojha  
Wickets Taken: 18  
Bowling Team: Deccan Chargers

Bowler: SK Warne  
Wickets Taken: 19  
Bowling Team: Rajasthan Royals

Bowler: IK Pathan  
Wickets Taken: 15  
Bowling Team: Kings XI Punjab

Bowler: A Kumble  
Wickets Taken: 21  
Bowling Team: Royal Challengers Bangalore

Bowler: SL Malinga  
Wickets Taken: 18  
Bowling Team: Mumbai Indians

Bowler: PP Ojha  
Wickets Taken: 21  
Bowling Team: Deccan Chargers

Bowler: A Mishra  
Wickets Taken: 17  
Bowling Team: Delhi Daredevils

Bowler: Harbhajan Singh  
Wickets Taken: 17  
Bowling Team: Mumbai Indians

Bowler: SL Malinga  
Wickets Taken: 28  
Bowling Team: Mumbai Indians

Bowler: S Aravind  
Wickets Taken: 21  
Bowling Team: Royal Challengers Bangalore

Bowler: R Ashwin  
Wickets Taken: 20  
Bowling Team: Chennai Super Kings

Bowler: A Kumble  
Wickets Taken: 17  
Bowling Team: Royal Challengers Bangalore

Bowler: R Vinay Kumar  
Wickets Taken: 16  
Bowling Team: Royal Challengers Bangalore

Bowler: MM Patel  
Wickets Taken: 22  
Bowling Team: Mumbai Indians

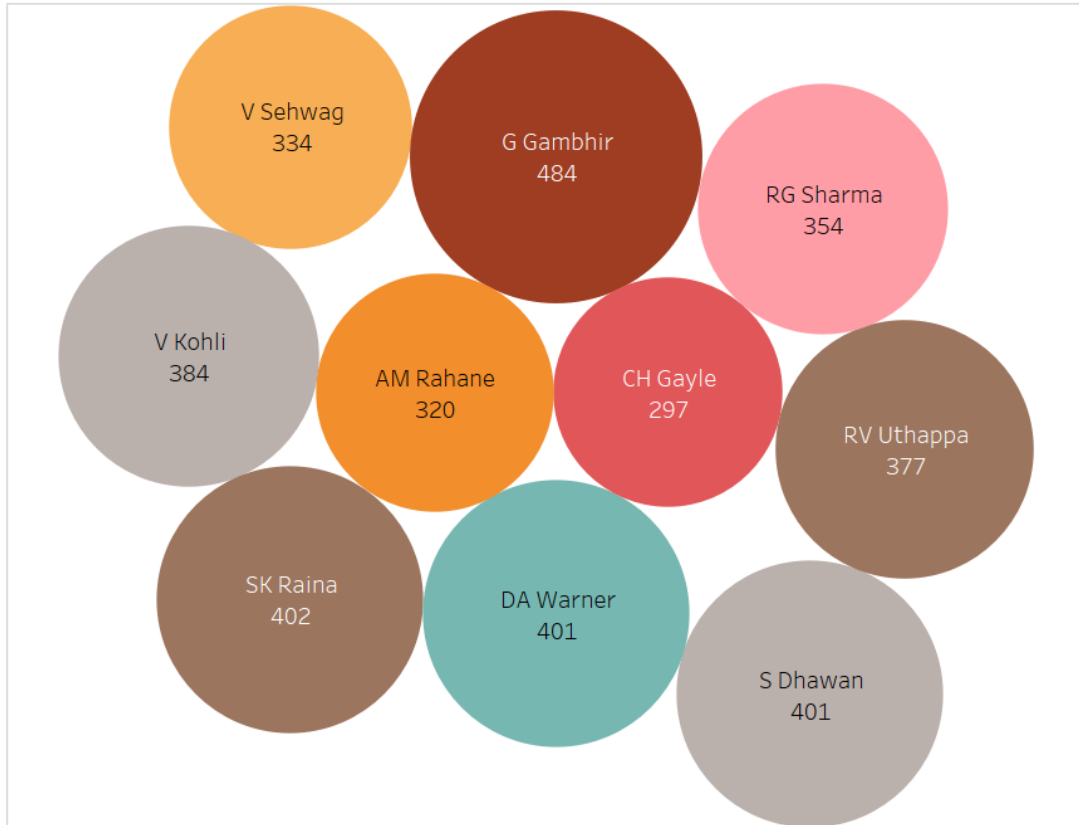
Bowler: DE Bollinger  
Wickets Taken: 17  
Bowling Team: Chennai Super Kings

- B Kumar belongs to SRH team when he won the Purple cap.
- Malinga has shown consistent performance. Hence, he is 1<sup>st</sup> in overall wickets taken.

*Season-wise details in appendix*

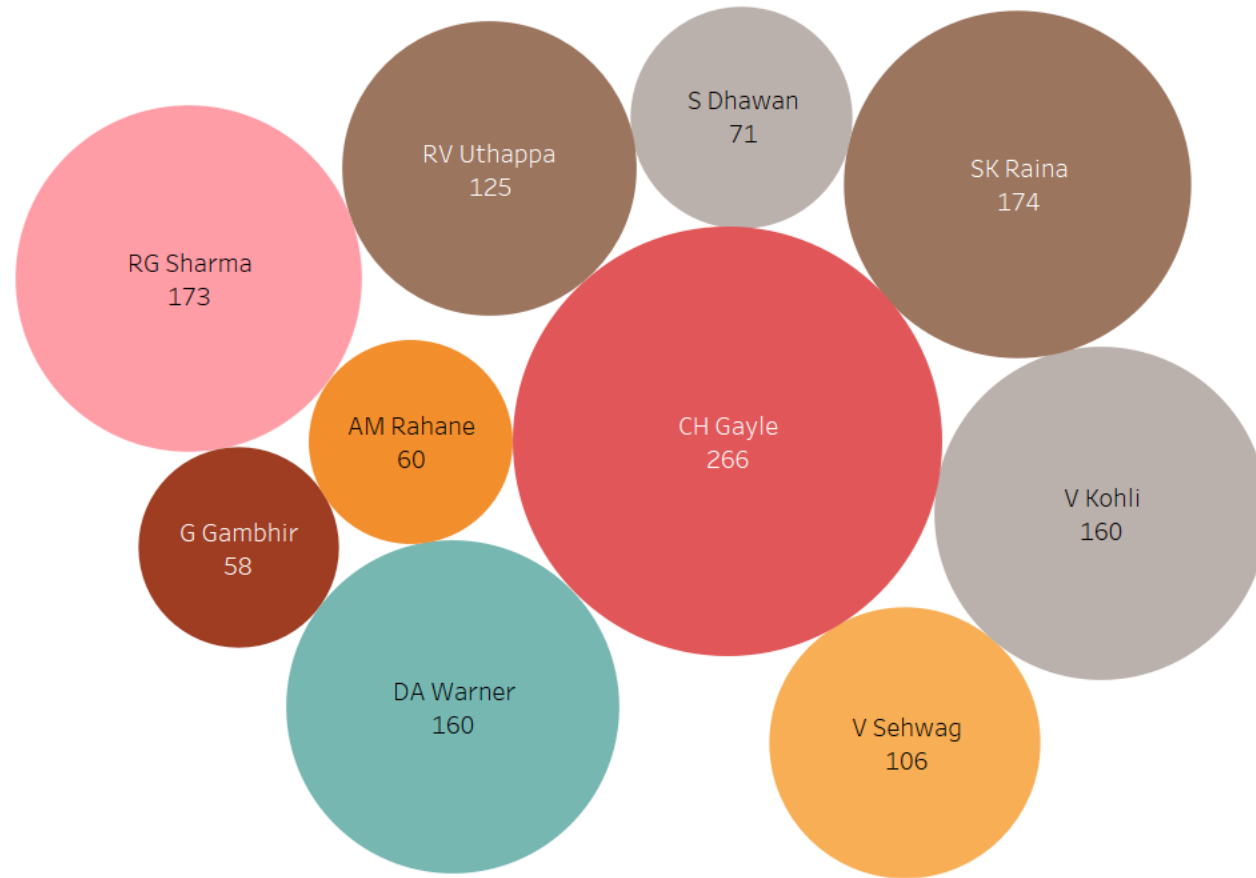


# Batsmen who have hit most number of 4s



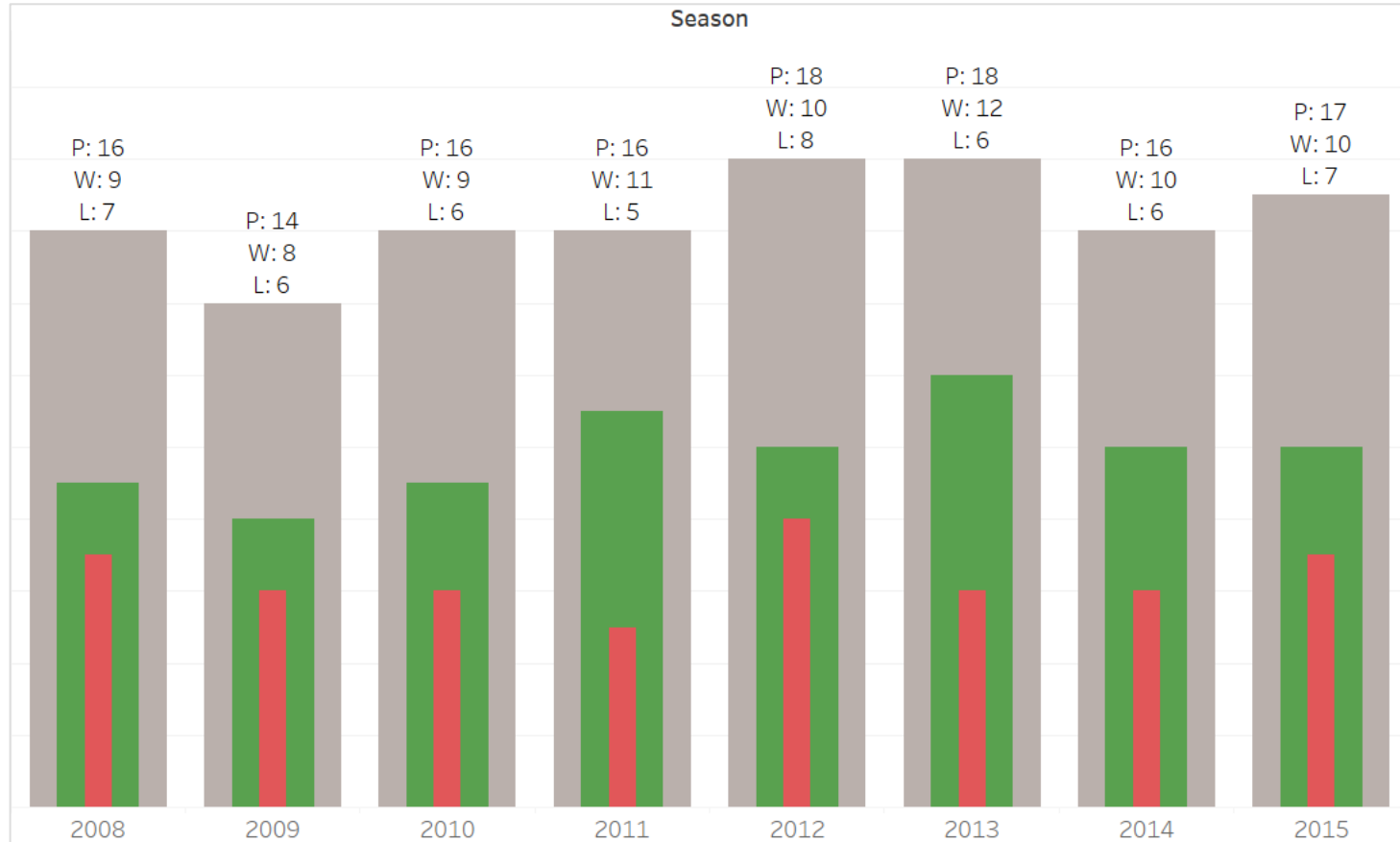
- Gambhir has the record of most number of 4s across all seasons with 484 number of 4s he has hit.
- Suresh Raina is next with 402 number of 4s across all seasons.
- Warner and Dhawan are giving a close competition to Raina with 401 number of 4s.
- Virat Kohli comes next with 384 number of 4s in all seasons.
- Uthappa comes 5<sup>th</sup> with 377 number of 4s.

# Batsmen who have hit most number of 6s



- Gayle has the record of most number of 6s across all seasons in IPL with 266 number of 6s.
- Suresh Raina and Rohit Sharma are close at 174 and 173 number of 6s in all seasons together.
- Warner and Kohli are locked at 160 number of 6s in all seasons.

# Season-wise Team Performance (wins vs losses)



*Graph for Team: CSK*

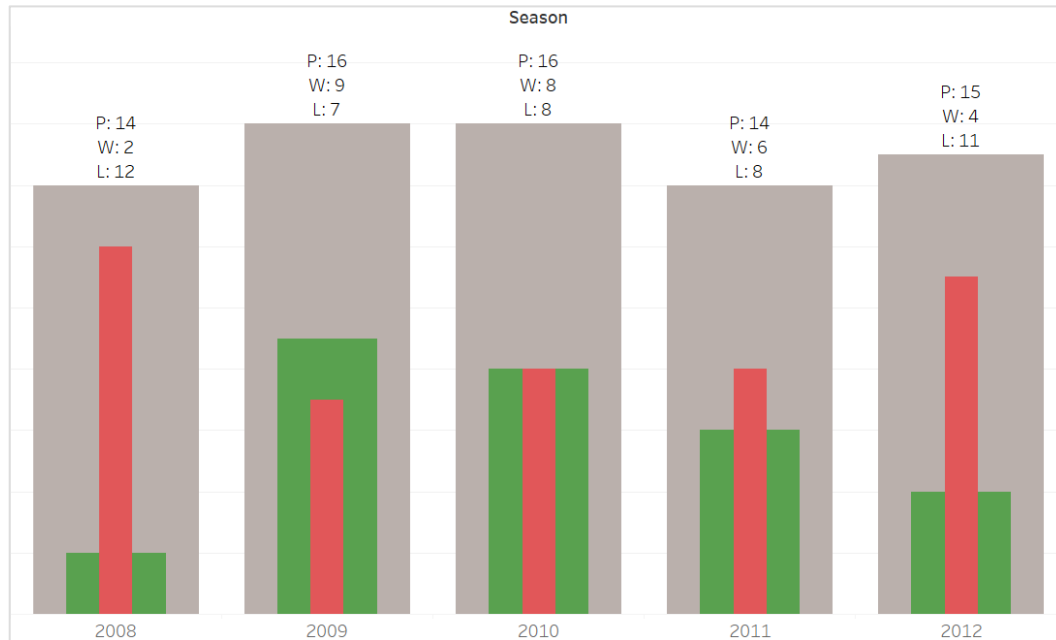
- The outermost bar shows the Number of Matches Played.
- Next, the graph shows the number of Matches Won
- The innermost graph shows the number of Matches lost.
- Chennai Super Kings have shown consistent performance with always the number of matches won greater than number of matches lost.
- It shows the consistency of a team performance.

# Win % (Home vs Away)

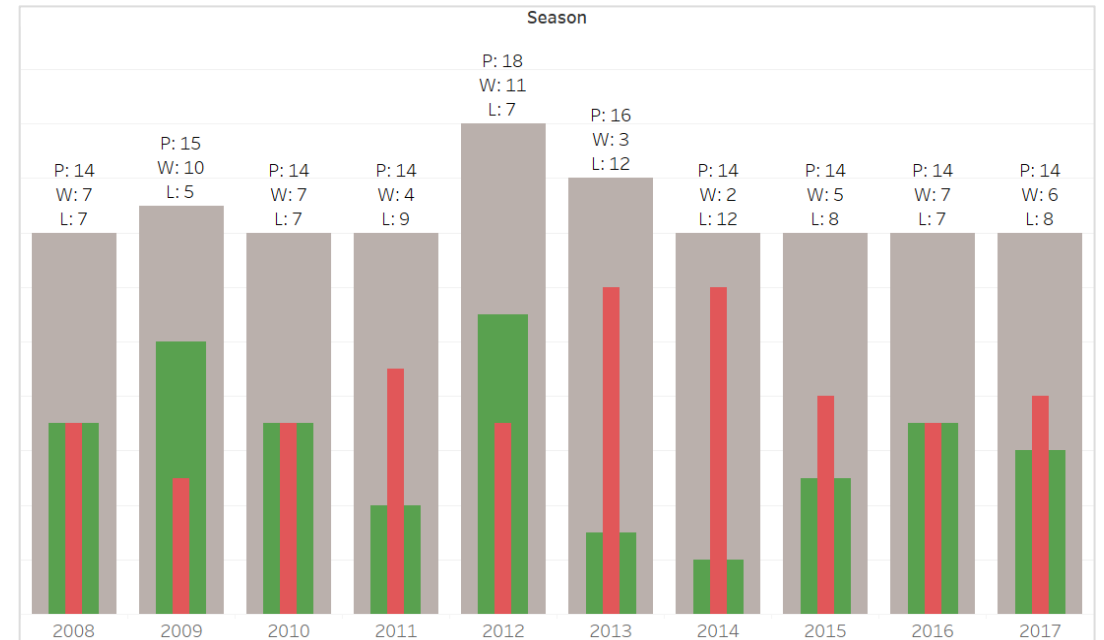
Hom..	Venue	CSK	DC	DD	GL	KKR	KTK	Winner KXIP	MI	PW	RCB	RPS	RR	SRH
CSK	MA C..	70%	■	■		■		■	■	■	■		■	
DC	Rajiv..	■	■	■		■		■	■	■	■		■	
DD	Fero..	■	■	41%	■	■	■	■	■	■	■	■	■	■
GL	Saur..			■	■	■		■	■		■			■
KKR	Eden..	■		■	■	64%	■	■	■		■	■	■	
KTK	Nehr..		■	■			■				■			
KXIP	Him..	■	■	■				■						
	Punj..				■	■		■	■		■			■
	Punj..	■		■		■		51%	■	■	■		■	■
MI	Brab..	■							■		■			
	Dr D..	■	■						■					
	Wan..	■	■	■	■	■	■	■	64%	■	■	■	■	
PW	Subr..	■	■	■		■		■	■	■	■		■	■
RCB	M Ch..	■	■	■	■	■		■	■		48%	■	■	■
RPS	Mah..			■	■	■			■		■	■		
RR	Sard..			■				■	■		■		■	■
	Saw..	■		■		■			■		■		73%	
SRH	Rajiv..	■		■		■		■	■		■	■		57%

- Home advantage is clearly visible through this analysis.
- Teams like KXIP, MI, RR have advantage over other teams as they have more Venues in their Homeland.
- Home advantage works because the audience cheers for their team which boosts the morale of the Home-team.

# Season-wise Team Performance (wins vs losses)



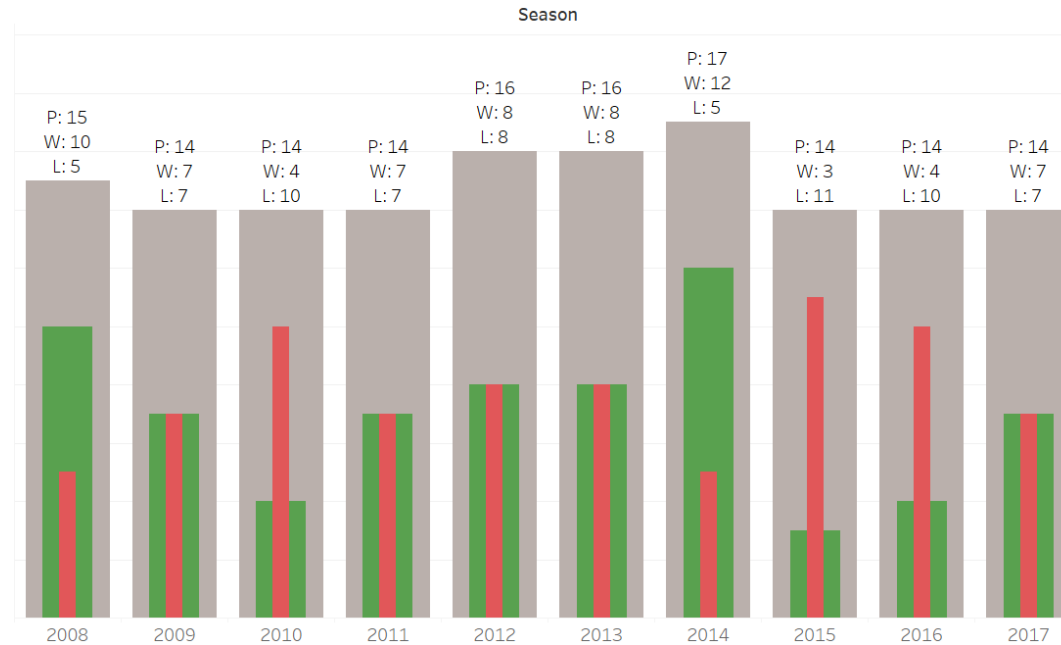
Season-wise performance: DC  
The performance was going down year on year



Season-wise performance: DD  
The performance has gone down year on year

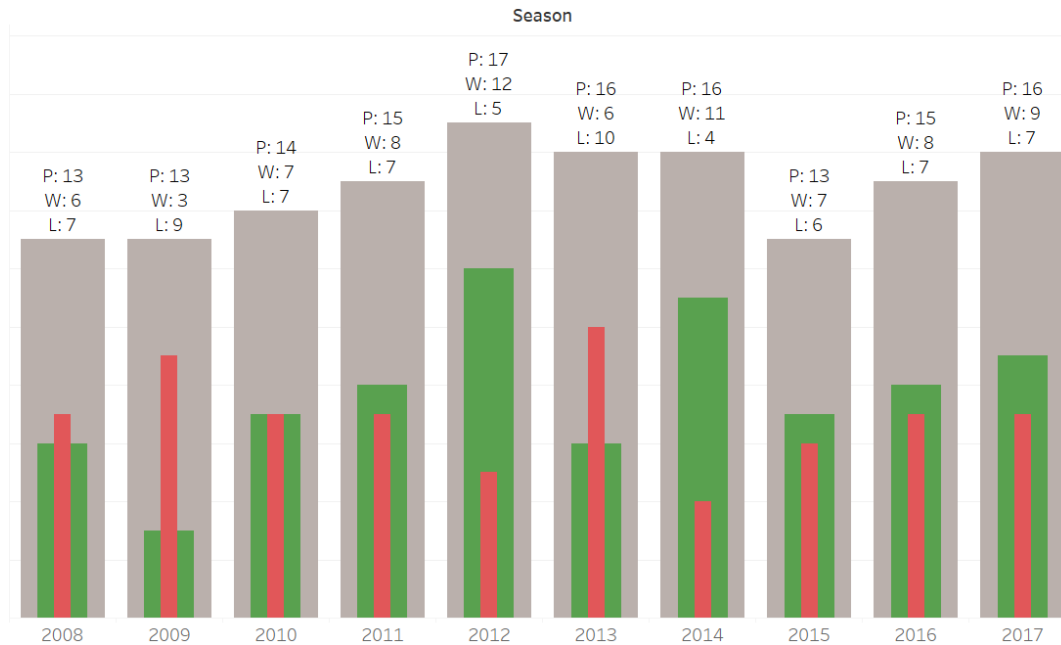


# Season-wise Team Performance (wins vs losses)

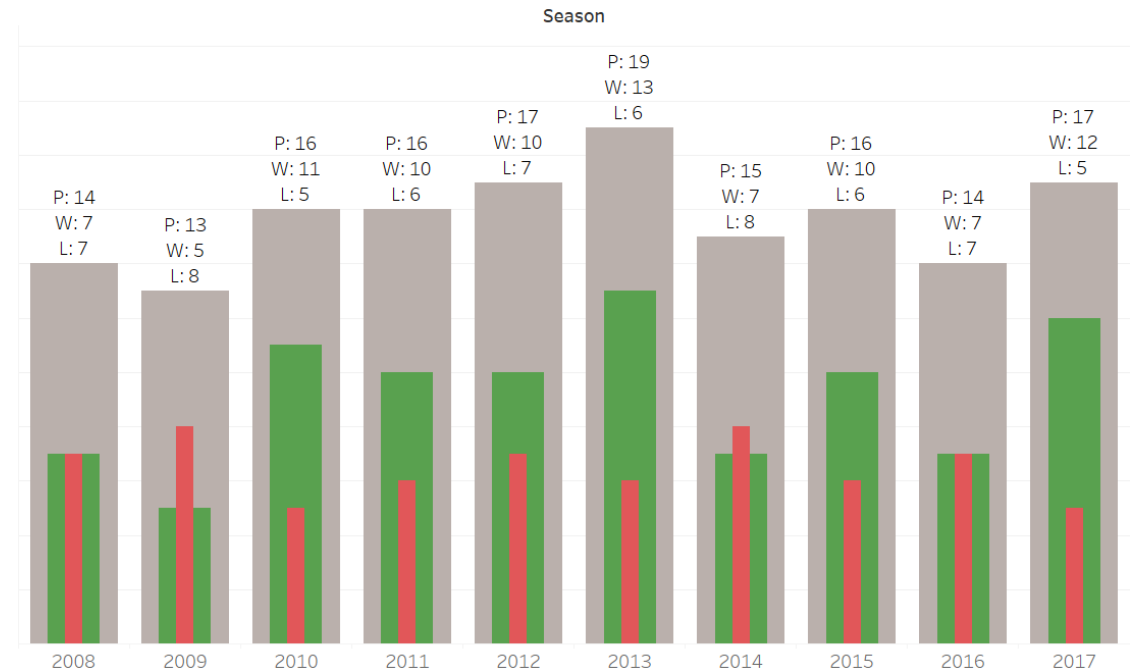


Season-wise performance: KXIP  
Some years the performance is good and  
some years it is not. However, a few  
players outshine the teams performance  
each year.

# Season-wise Team Performance (wins vs losses)

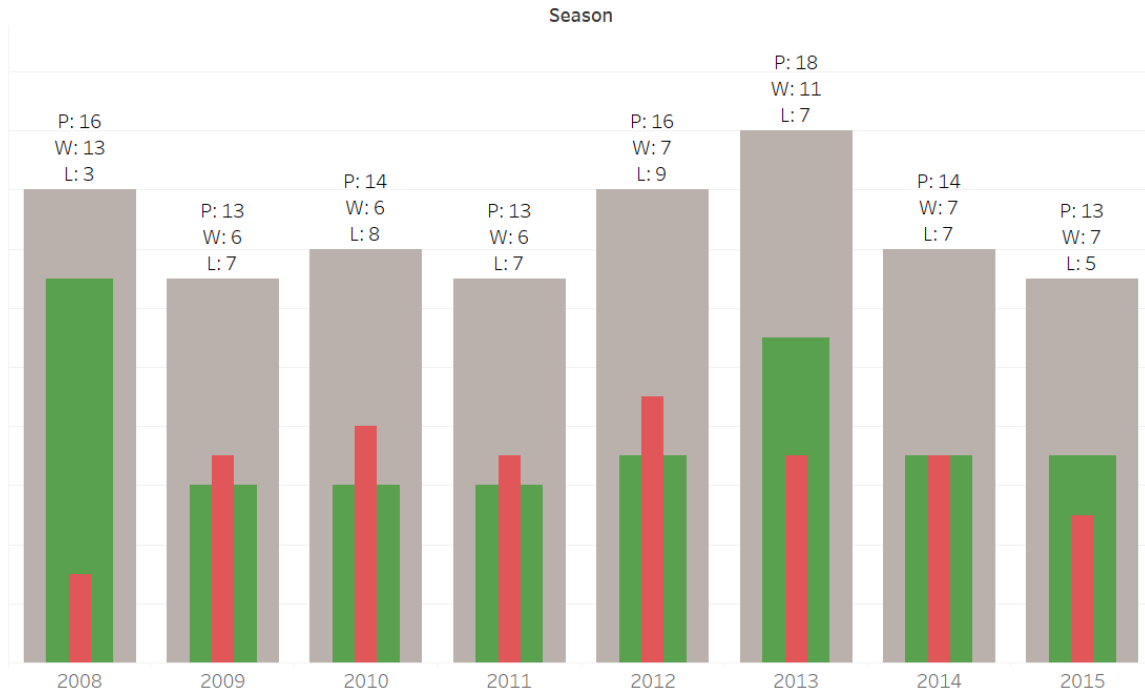


Season-wise performance: KKR  
The performance has been steady.



Season-wise performance: MI  
Stellar performance consistently

# Season-wise Team Performance (wins vs losses)



Season-wise performance: RR  
Average performance with losses greater  
than wins



Season-wise performance: RCB  
Average performance with losses greater  
than wins