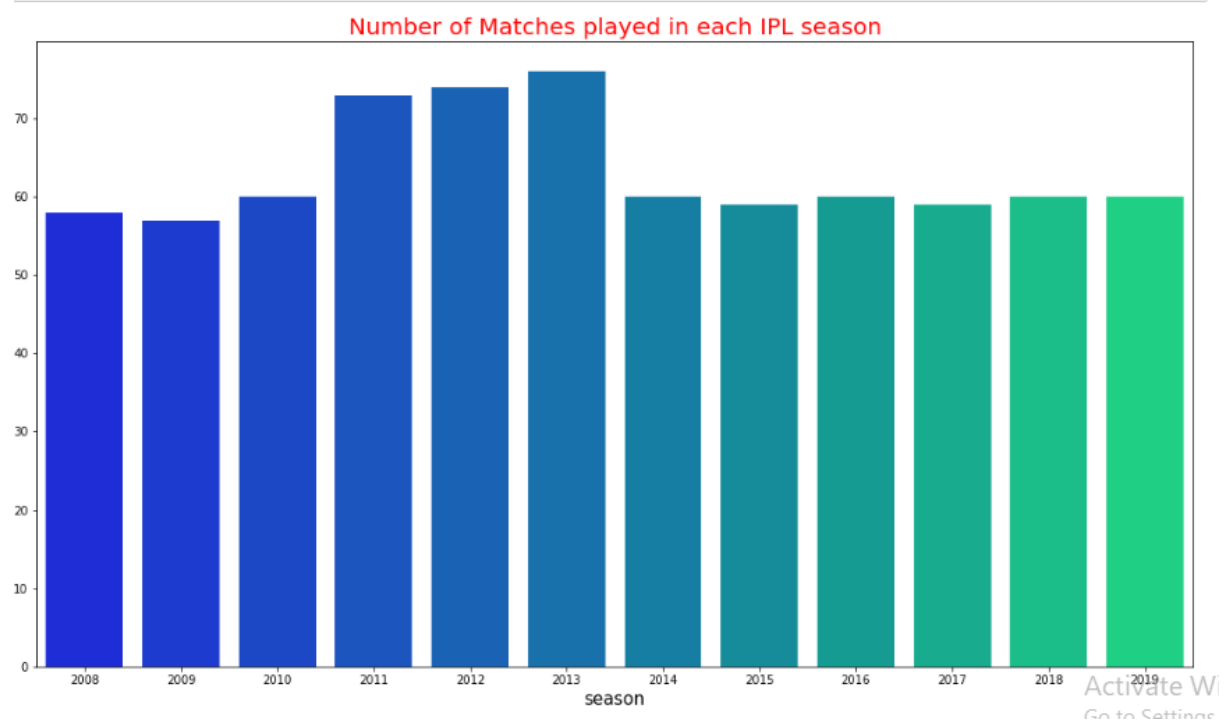# Task; 5
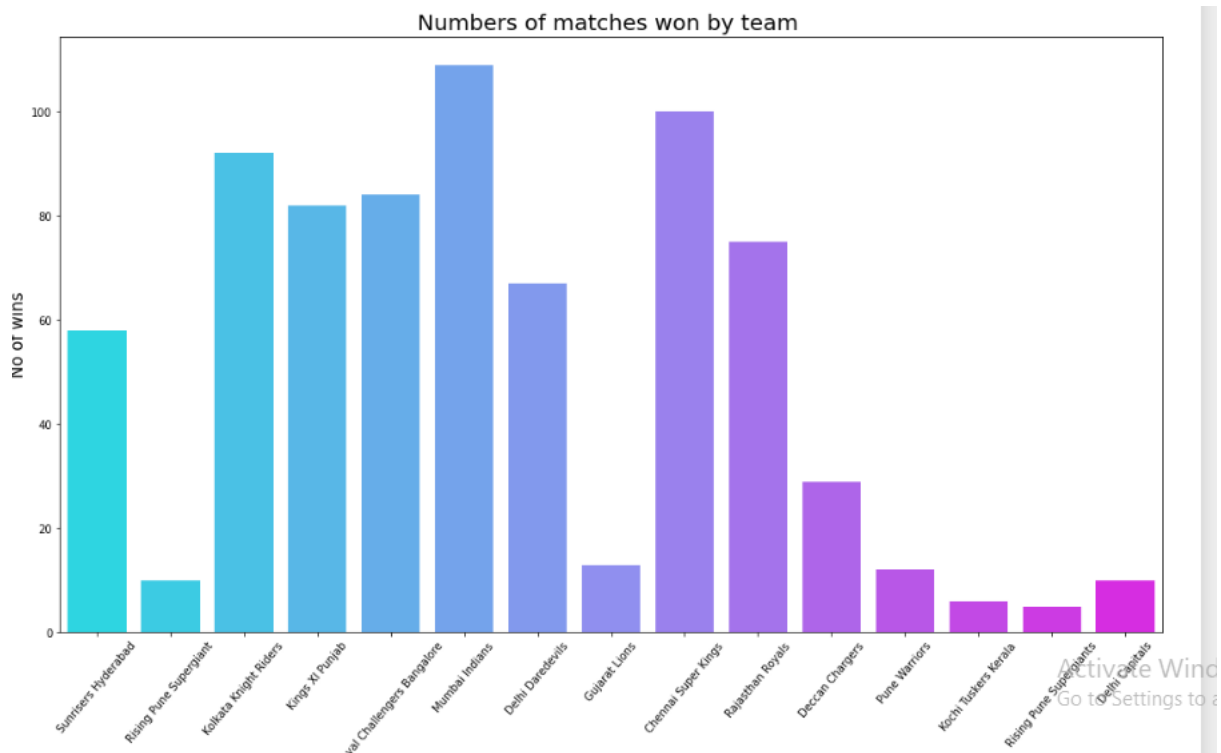# Exploratory Data Analysis - Sports (Level - Advanced)
Akshay Vijay

Insights from the analysis done on jupyter notebook
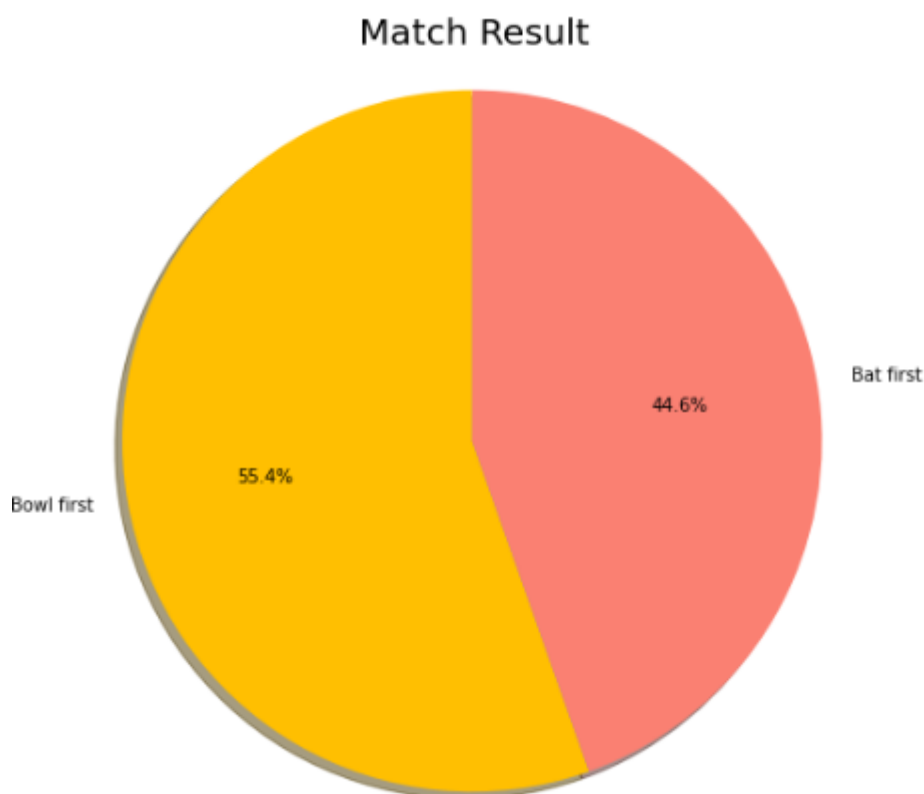
1.The highest number of matches played in the IPL season is 2011,2012,2013
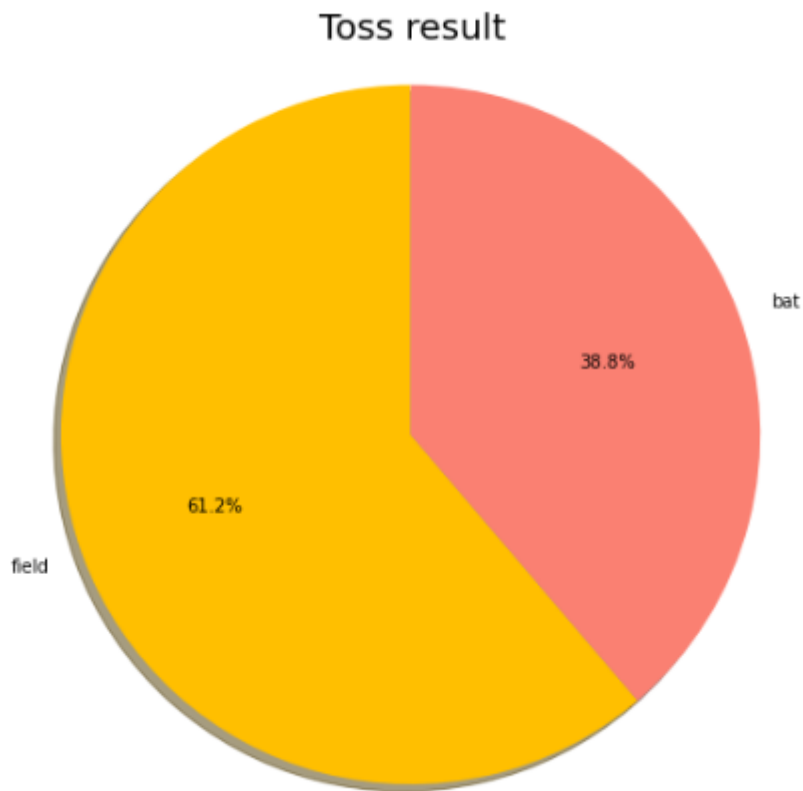

2. The highest match winning team is Mumbai Indians

Numbers of matches won by team

3.Teams which Bowl first has higher chances of winning then the team which bat first.

Match Result

Bat first 44.6%

Bowl first 55.4%

4. Fielding first is the first choice of the team after winning the toss.
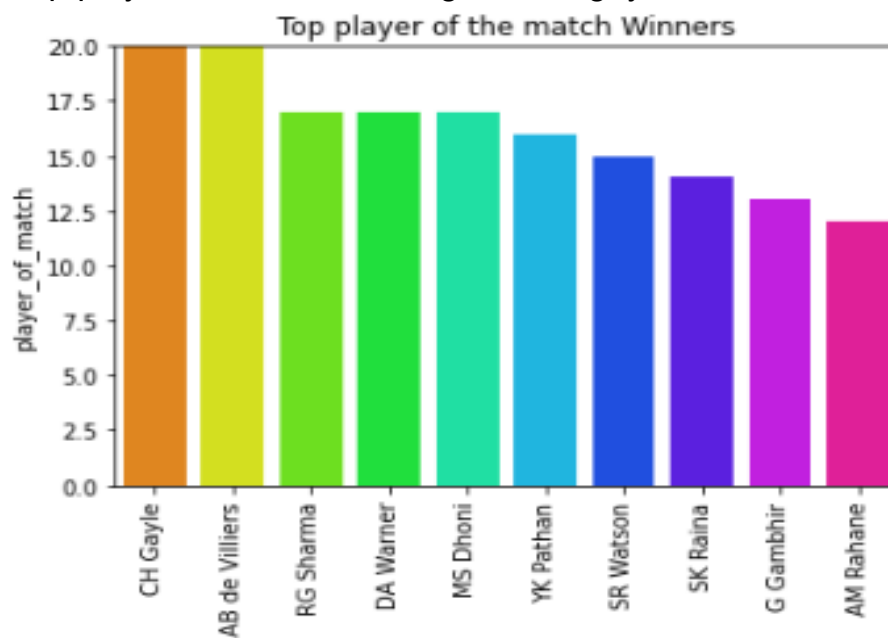
Toss result

5. In finals teams which decide to do fielding first win the matches more then the team which bat first.

Match Result
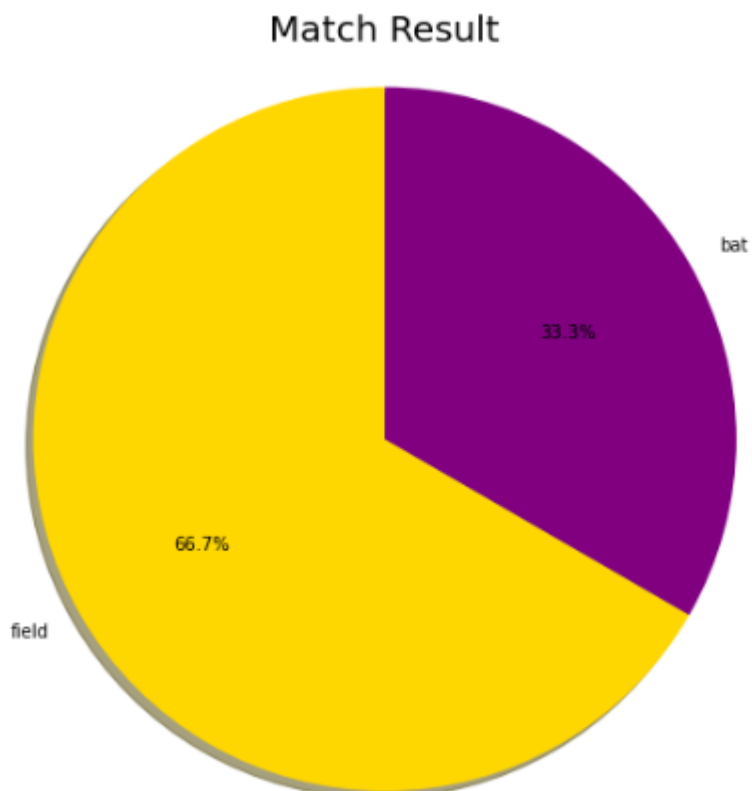
6.In finals most teams after winning toss decide to do fielding first.

Toss Result

field
41.7%

58.3%

bat
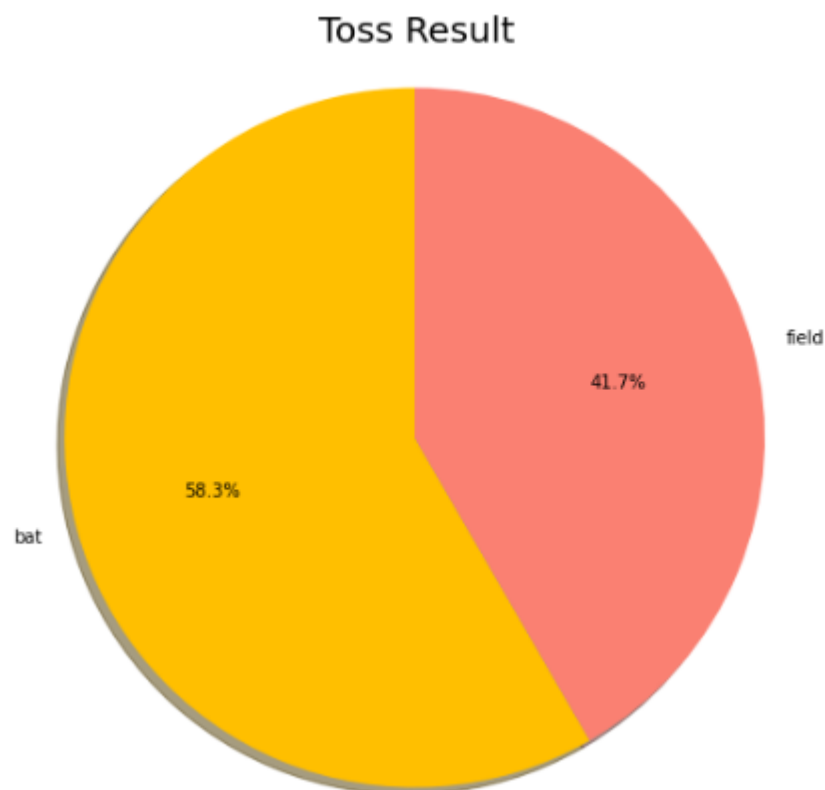
7.Top players of match winning are CH gayle, AB de villers.

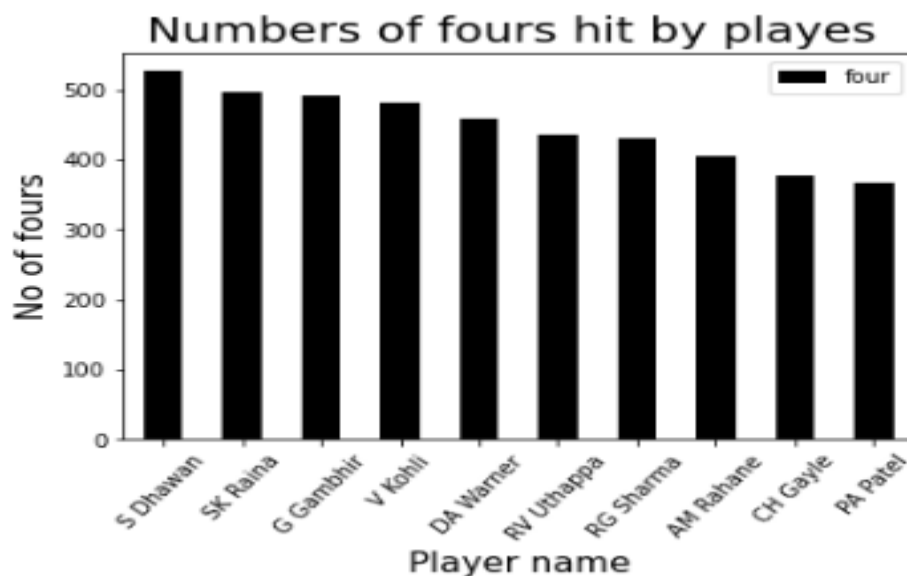Top player of the match Winners

player_of_match

8.It is interesting that out of 12 IPL finals,9 times the team that won the toss was also the winner of IPL.

```
In [30]: len(final_matches[final_matches['toss_winner']==final_matches['winner']]['winner'])
Out[30]: 9
```

9. The highest number of four hits by a player is Shikar Dhawan.

Numbers of fours hit by playes

No of fours vs Player name bar chart (four). Players: S Dhawan, SK Raina, G Gambhir, V Kohli, DA Warner, RV Uthappa, RG Sharma, AM Rahane, CH Gayle, PA Patel.

10.The highest number of six hit by a player is CH gayle.

Numbers of six hit by playes

No of six vs Player name bar chart (six). Players: CH Gayle, AB de Villiers, MS Dhoni, SK Raina, RG Sharma, V Kohli, DA Warner, SR Watson, KA Pollard, YK Pathan.
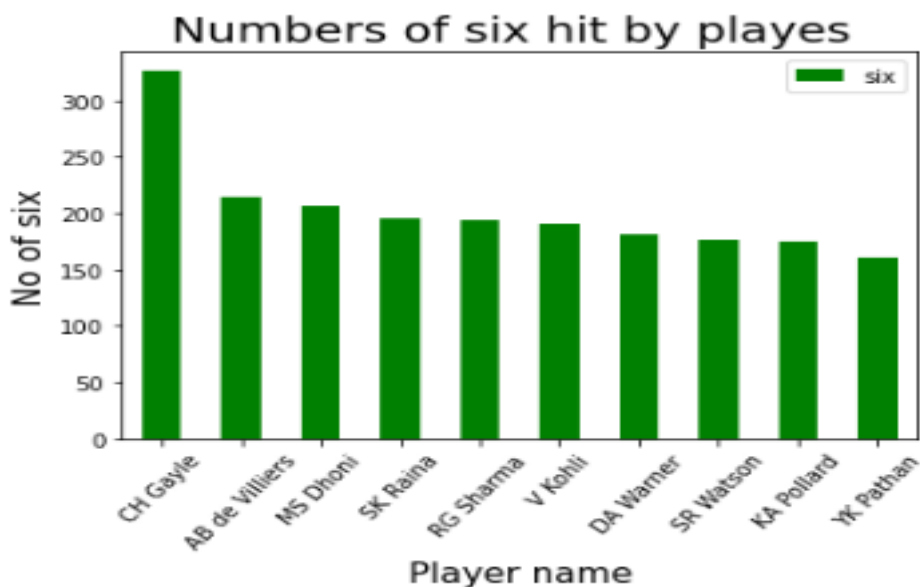
11. Top leading run scorer in IPL are Virat kholi, SK Raina, RG Sharma.

	batsman	batsman_runs
0	V Kohli	5434
1	SK Raina	5415
2	RG Sharma	4914
3	DA Warner	4741
4	S Dhawan	4632
5	CH Gayle	4560
6	MS Dhoni	4477
7	RV Uthappa	4446
8	AB de Villiers	4428
9	G Gambhir	4223

matches played by batsman

12. The highest number of matches played by player name are SK Raina, RG Sharma.

	batsman	No_of Matches
0	SK Raina	162
1	RG Sharma	155
2	RV Uthappa	153
3	V Kohli	143
4	S Dhawan	137

13. Dismissals in IPL were most byCatch out

Dismissals in IPL
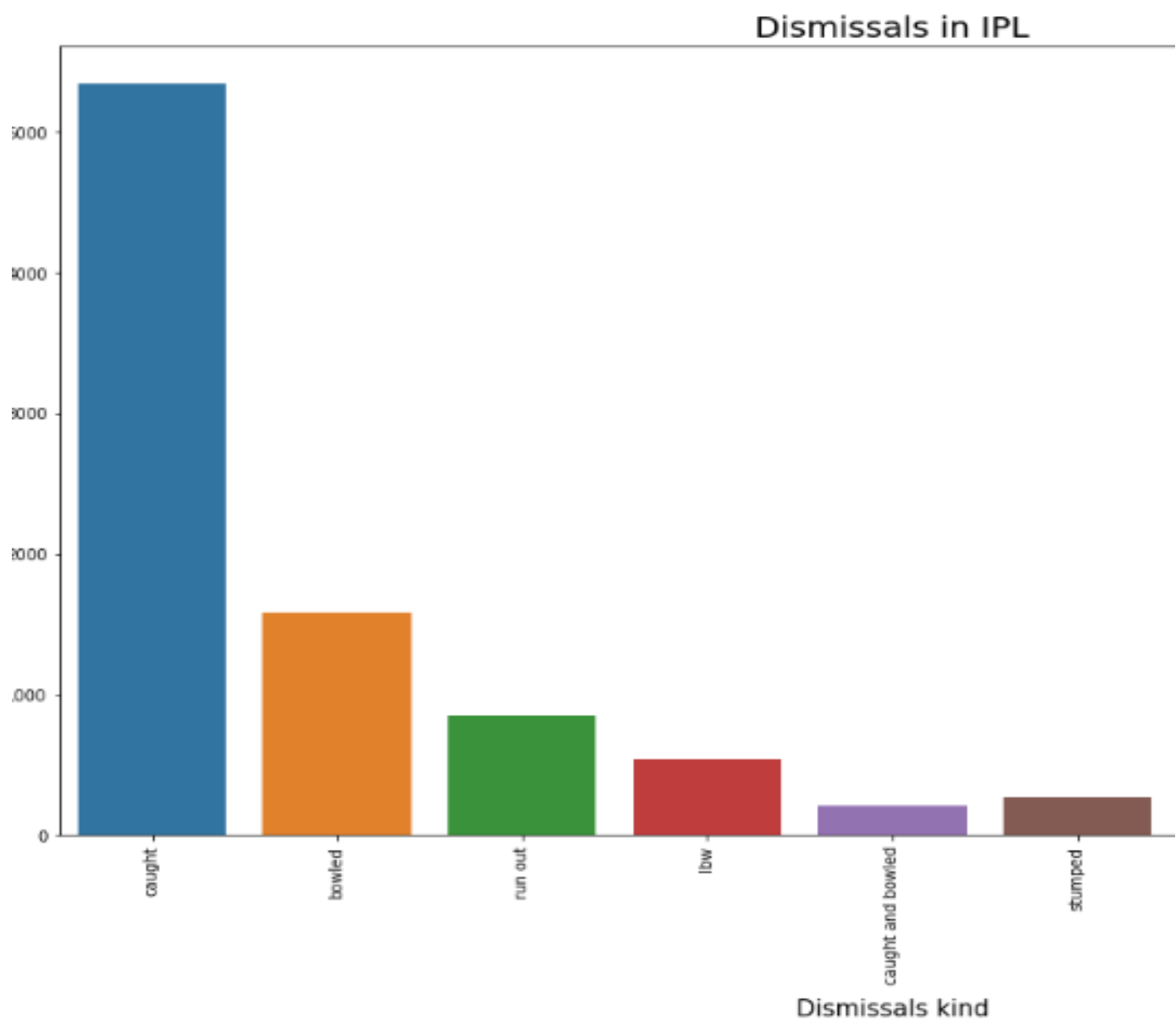
14.The   IPL   most   wicket   taken   blower   is   SL   Malinga.

	bowler	count
0	SL Malinga	170
1	A Mishra	156
2	Harbhajan Singh	150
3	PP Chawla	149
4	DJ Bravo	147
5	B Kumar	133
6	R Ashwin	125
7	SP Narine	122
8	UT Yadav	119
9	RA Jadeja	108

Thank you for reading the insights..