



SPORTS (IPL)

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OUTLINE



- ▶ Executive Summary
- ▶ Introduction
- ▶ Methodology
- ▶ Results
 - ▶ Visualization Charts
 - ▶ Dashboard
- ▶ Discussion
 - ▶ Findings & Implications
- ▶ Conclusion
- ▶ Appendix

Executive Summary



- ▶ Sport is the entertainment and international part of all countries, which is not disputed by peoples of all kinds.
- ▶ Each country has a sport that is more famous than the other, and the residents of the country find it more popular than the other, and therefore the financial return from it is higher.
- ▶ In India, cricket is the most famous sport, so investors are interested in it and it has a famous championship, which is the Indian Premier league.
- ▶ It is important to identify clubs and players that remain competitive. This exhibition will show the most important clubs, players and earning methods.

Introduction



- ▶ This offer was created for owners of investments and funds in the country.
- ▶ The presentation will help determine which clubs and players are the most profitable and the methods of playing that lead to victory as well They increase and decrease over time.
- ▶ Recommendations will be mentioned on Basis Analytics.

Methodology



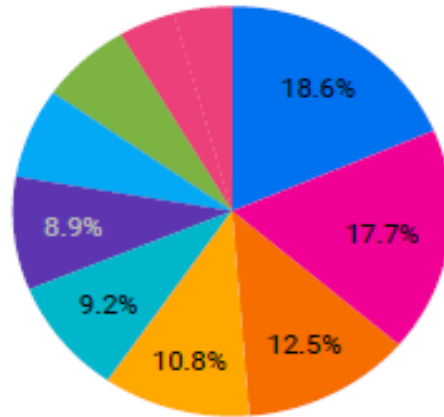
- ▶ Using Indian Premier League (IPL) sports data are Two tables for matches and scores, detailed Down to the critical features of the analysis. Remove duplicates and Determine how the data will be distributed.
- ▶ Then the data was subjected to an exploratory analysis in In order to find the distribution of the data, the presence of outliers, and Determine the correlation between the different columns in data set.
- ▶ The data was then used to visualize the distribution The relationship between two features, configuration and Data comparison.
- ▶ Finally, after downloading the data after the modifications we use Google Data Studio Create a dashboard that shows clubs, players and ways to play.

Results



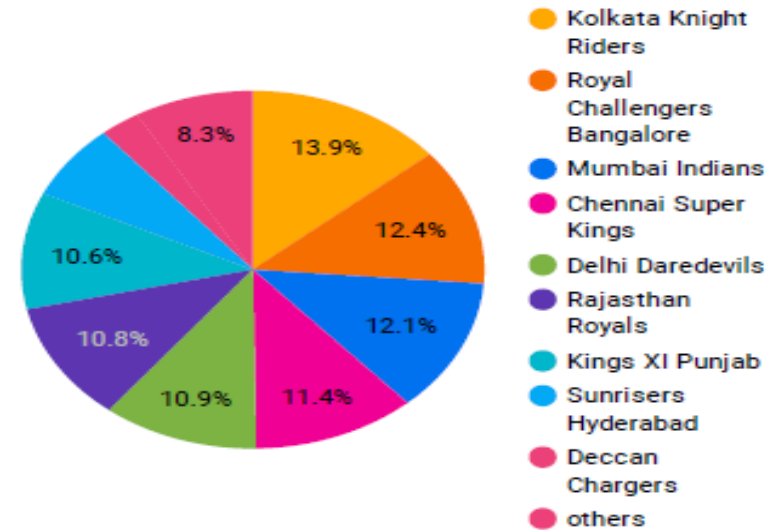
Methods of win

Number of matches team win by runs



- Mumbai Indians
- Chennai Super Kings
- Royal Challengers...
- Kolkata Knight Riders
- Kings XI Punjab
- Rajasthan Royals
- Sunrisers Hyderabad
- Delhi Daredevils
- Deccan Chargers
- others

Number of matches team win by wickets



Findings



Mumbai Indians , Chennai Super Kings , Royal Challengers Bangalore , and Kolkata Knight Riders are the best teams in scoring by run and wicket.



Mumbai Indians and Chennai Super Kings are the best teams in wining by run.



Royal Challengers Bangalore and Kolkata Knight Riders are the best teams in wining by wicket.

Implications

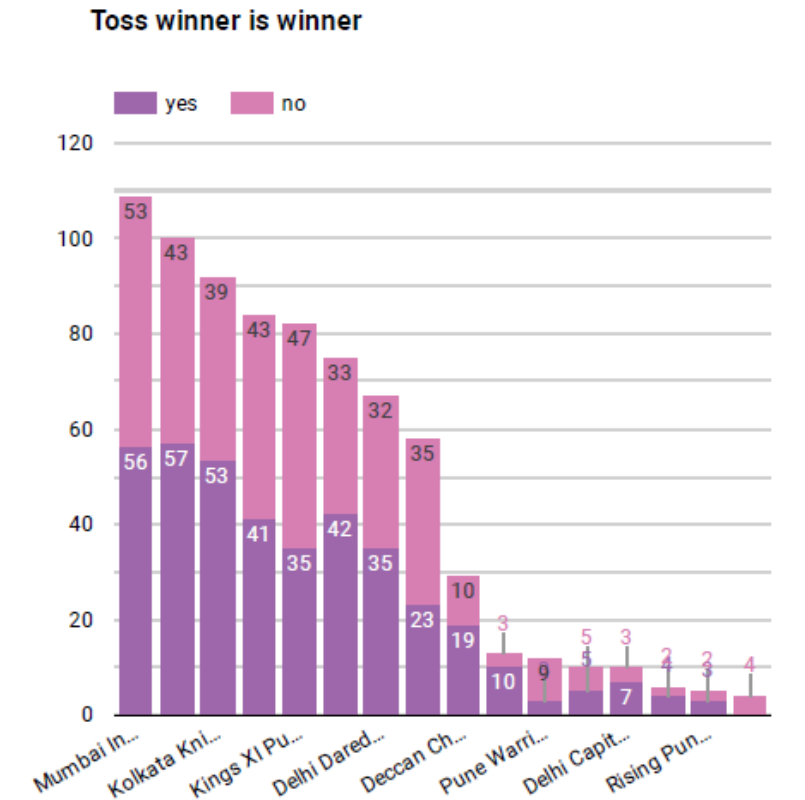
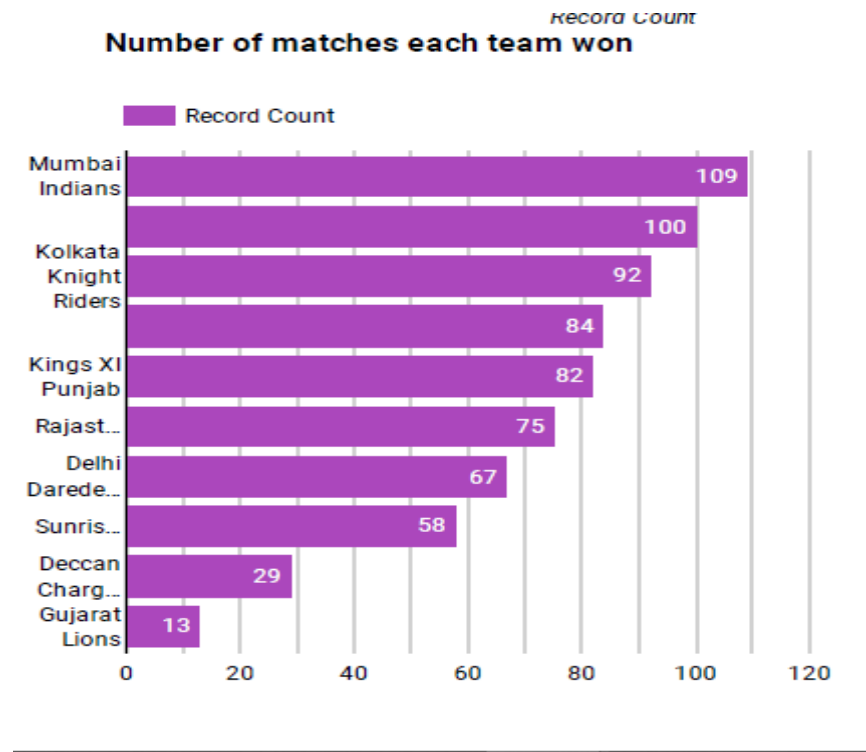


Investors should choose among Mumbai Indians , Chennai Super Kings , Royal Challengers Bangalore and Kolkata Knight Riders because they are the best teams.



Investors should invest Royal Challengers Bangalore and Kolkata Knight Riders because which are best in winning by wicket which have more points.

The teams have most number of winning matches



Findings



Like previous the teams which have the most number in winning are Mumbai Indians , Chennai Super Kings , Royal Challengers Bangalore , and Kolkata Knight Riders are the best teams .



Mumbai Indians and Chennai Super Kings are the best teams which achieve the highest number of wins and the best bowling reams.

Implications



Investors should choose between Mumbai Indians and Chennai Super Kings because they are the best bowling teams.



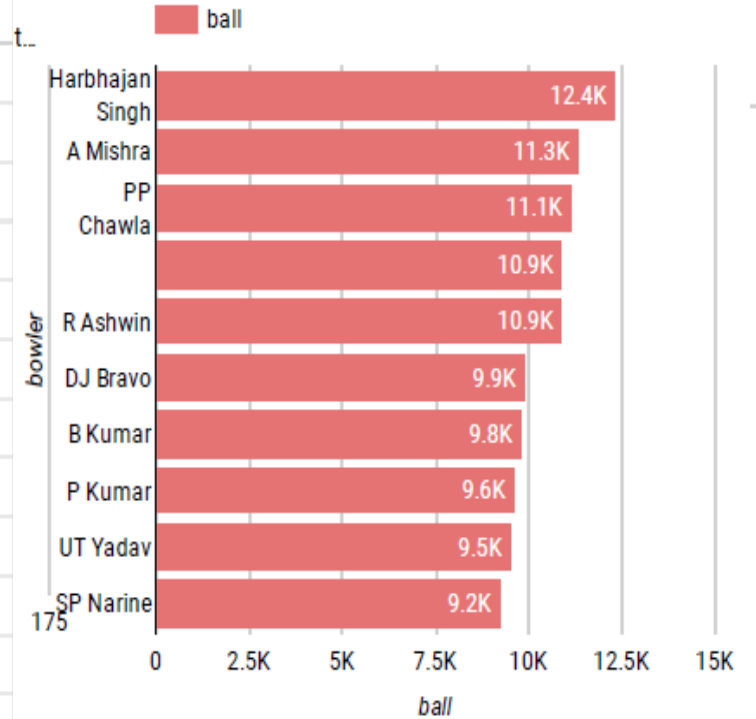
Investors may be thinking in Royal Challengers Bangalore , and Kolkata Knight Riders because they have good points.

All points of bowlers

Sum of each run to every bowler

bowling_team	bowler	ball						total_runs
		wide_runs	extra_runs	legbye_runs	bye_runs	noball_runs	penalty_runs	
Mumbai India...	SL Malinga	152	293	88	28	20	5	3,511
	Harbhajan Si...	87	158	55	13	3	0	3,453
	JJ Bumrah	41	118	43	11	23	0	2,297
	MJ McClenag...	68	113	26	10	9	0	1,869
	KA Pollard	75	97	10	5	7	0	1,785
	HH Pandya	42	72	26	1	3	0	1,385
	KH Pandya	26	42	11	4	1	0	1,159
	PP Ojha	30	48	12	5	1	0	1,021
	MM Patel	8	39	20	7	4	0	889
	DS Kulkarni	50	73	14	4	5	0	864
	DJ Bravo	27	44	15	1	1	0	735
	Z Khan	14	40	23	1	2	0	688
	Harbhajan Singh	799						
	SP Narine	768						

Sum of balls every bowler played



Findings



SL Malinga , Harbhajan Singh , JJ Bumrah , MJ McClenaghan , and KA Pollard have the highest points.



Harbhajan Singh , A Mishra , PP Chawla , SL Malinga , and R Ashwin have the highest number of balls are bowled.



Wide runs and extra runs are the most important runs.

Implications

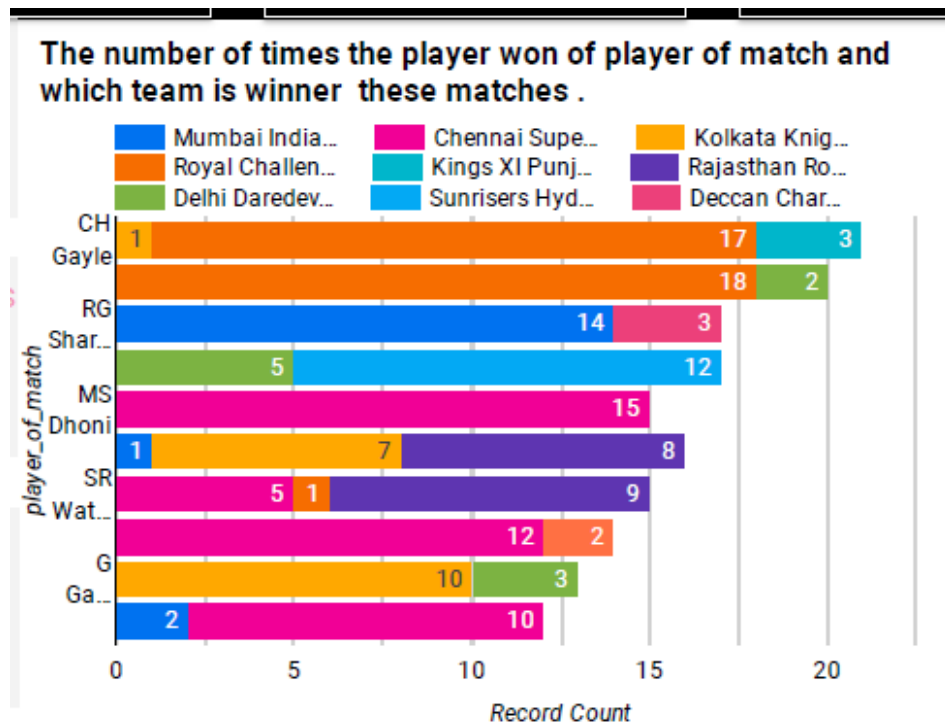


Investors should choose between SL Malinga and Harbhajan Singh because they are the best bowler.



Investors may be thinking in JJ Bumrah , MJ McClenaghan , A Mishra , and PP Chawla because they have good points.

The player of the match and the best batsman



Sum of batsman runs of each batsman

batsman_runs		
batting_team	batsman	batsman_ru...
Mumbai India...	RG Sharma	3,744
	KA Pollard	2,784
	AT Rayudu	2,416
	SR Tendulkar	2,333
	HH Pandya	1,118
	LMP Simmons	1,079
	AS Yadav	961
	KH Pandya	915
	PA Patel	911
	Harbhajan Singh	799
	ST Jayaram	768

Findings



CHGayle , AB de Villiers , RG Sharma , DA Warner , and MS Dhoni are the most players win the player of the match.



RG Sharma , KA Pollard , AT Rayudu , SR Tendulkar , and HH Pandya are the best batsman.



Chennai Super Kings and Royal Challengers Bangalore are the most teams win matches with the player of the match.

Implications

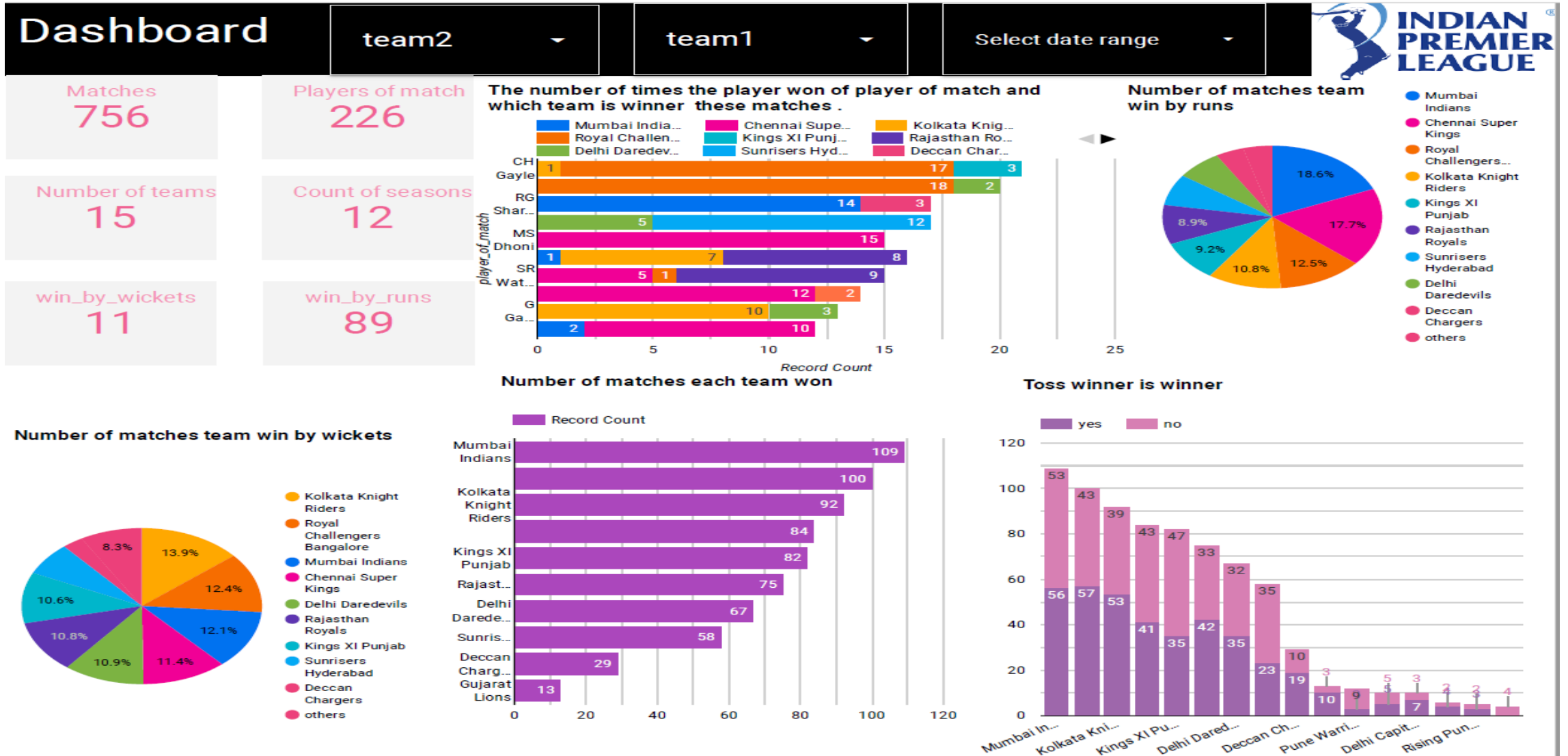


Investors should choose between CHGayle and RG Sharma because they are the best player.



Investors may be thinking in AB de Villiers , DA Warner , MS Dhoni , KA Pollard , AT Rayudu because they have good points.

Matches



Scores

Dashboard

match_id

over

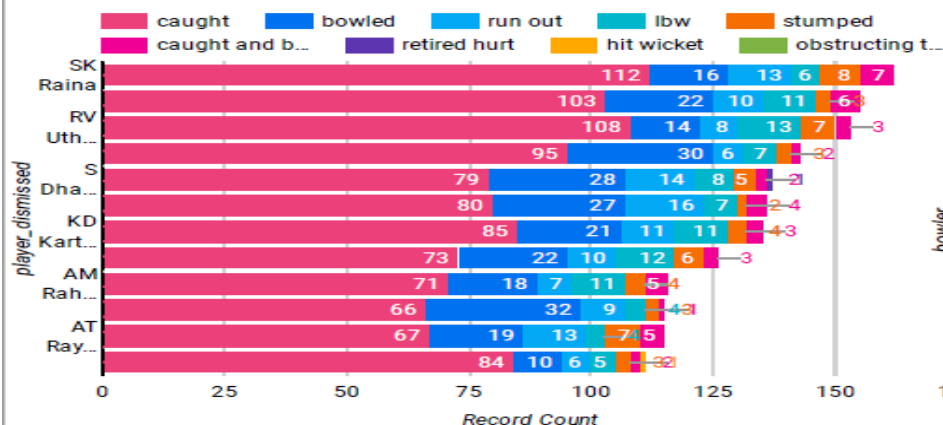
inning

bowling_team

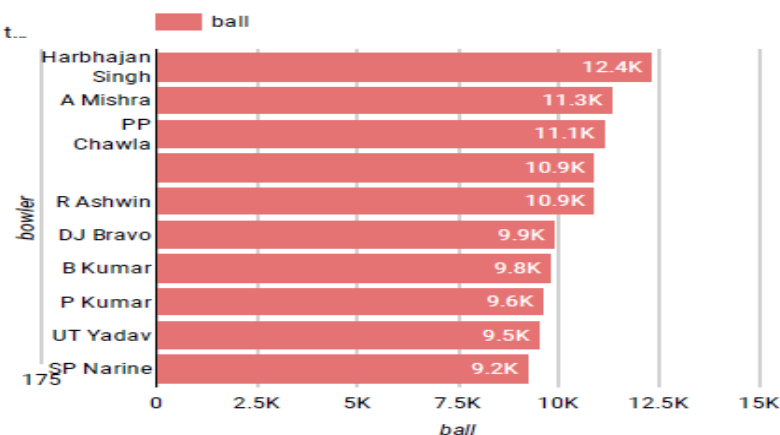
battling_team



Count of each kind of dismissal which each player do



Sum of balls every bowler played



Sum of batsman runs of each batsman

batsman_runs		
battling_team	batsman	batsman_runs
Mumbai India...	RG Sharma	3,744
	KA Pollard	2,784
	AT Rayudu	2,416
	SR Tendulkar	2,333
	HH Pandya	1,118
	LMP Simmons	1,079
	AS Yadav	961
	KH Pandya	915
	PA Patel	911
	Harbhajan Singh	799
	ST Jayasankar	760

Sum of each run to every bowler

bowling_team	bowler	wide_runs	extra_runs	legbye_runs	bye_runs	noball_runs	penalty_runs	total_runs
Mumbai India...	SL Malinga	152	293	88	28	20	5	3,511
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Discussion



- ▶ What is the best bowler?
- ▶ What is the best batsman?
- ▶ What is the player of the match?
- ▶ What is the best team?
- ▶ What is the factors contributing win or loss of a team ?

Conclusion



Mumbai Indians plays the highest amount of matches and has won more seasons than the other teams.

Chennai Super Kings ranked the second highest in winning matches followed by **Kolkata Knight Riders**.

CH Gayle is the top player of the match awardee in all the seasons of IPL.

RG Sharma ranked the best batsman and have high rank in the player of the match and **SL Malinga** is the best bowler.

SK Raina is the worst player with the highest number of dismissed balls .

Caught is the most common dismissal type in IPL followed by Bowled.