

IPL TRENDS



Agenda:

❑ Insights from IPL Dataset

- Match statistics (Best matches, Highest scoring batting teams)
- Player statistics (Top batsmen and bowlers)
- Team statistics (Winning and losing teams)

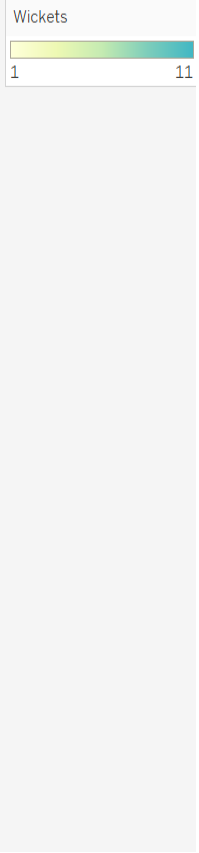
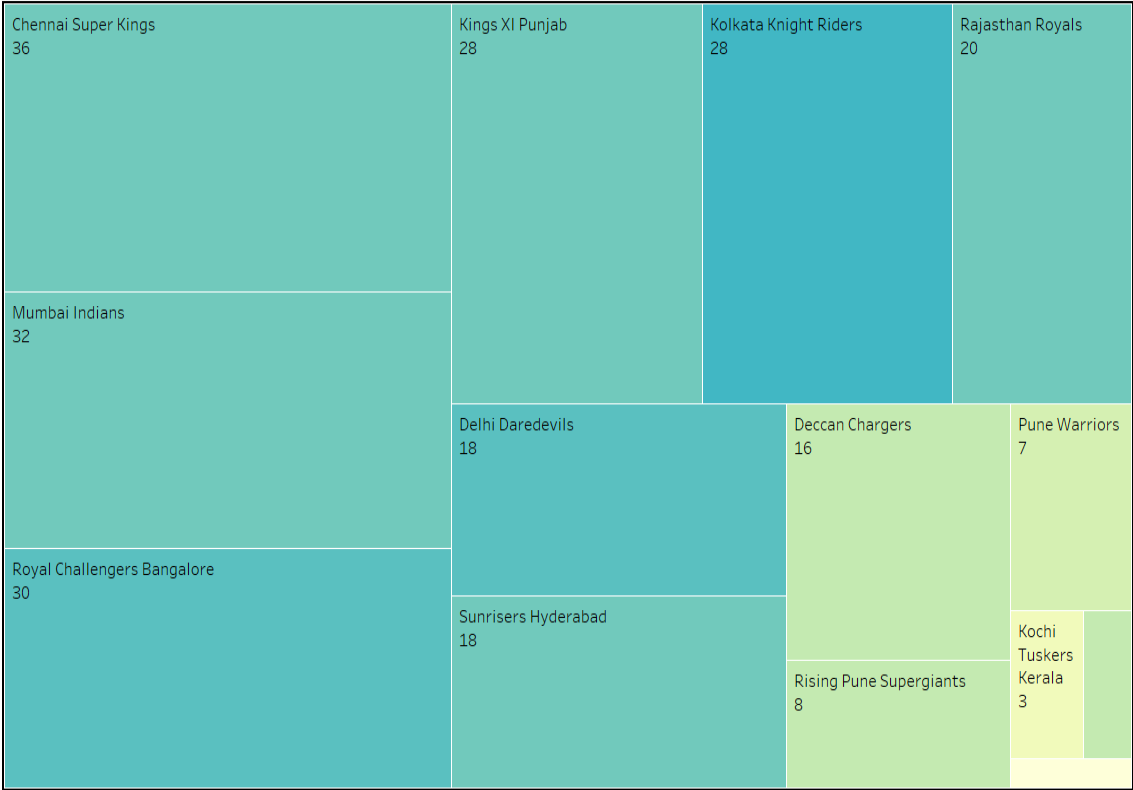
❑ Background of IPL

❑ Data sources

Match Statistics:

Some of the Biggest Wins are achieved by **Chennai Super Kings**, **Mumbai Indians** and **Royal Challengers Bangalore** respectively as they have scored maximum number of runs and wickets overall.

Biggest Wins

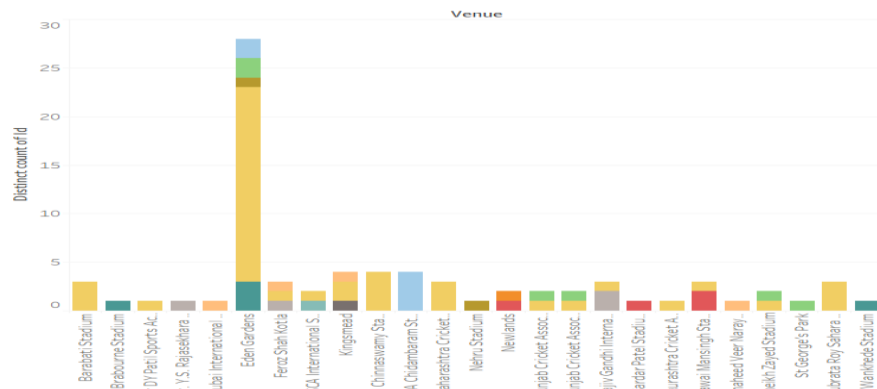
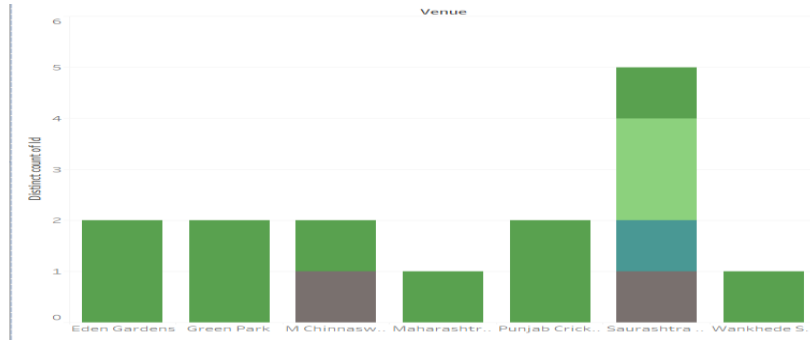
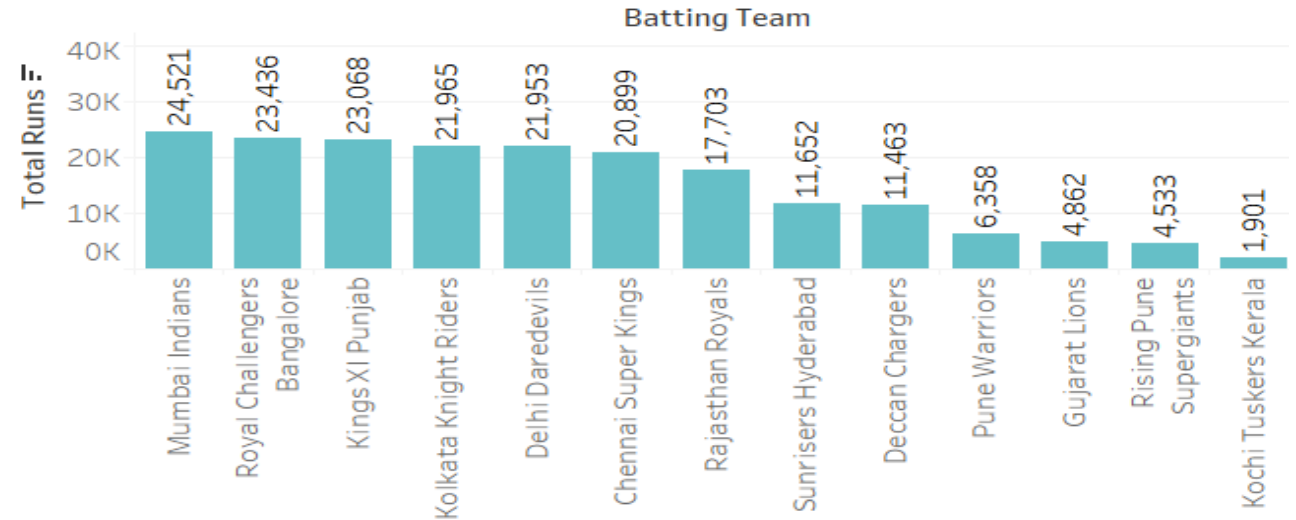


Match Statistics:

The best Batting team is **Mumbai Indians** with a total of **24,521** runs scored in all seasons overall.



Highest Totals



It is observed that the **Toss winning team wins the match in majority cases**. Given are 2 cases which prove the same.

- In the first screenshot, it can be seen that when **Gujrat Lions** won the toss, they were the winner in majority matches (highlighted in **dark green bars**)
- In the second screenshot, it can be seen that when **Kolkata Knight Riders** won the toss, they were the winner in majority matches (highlighted in **yellow bars**)

Player Statistics:

Best Batsman:

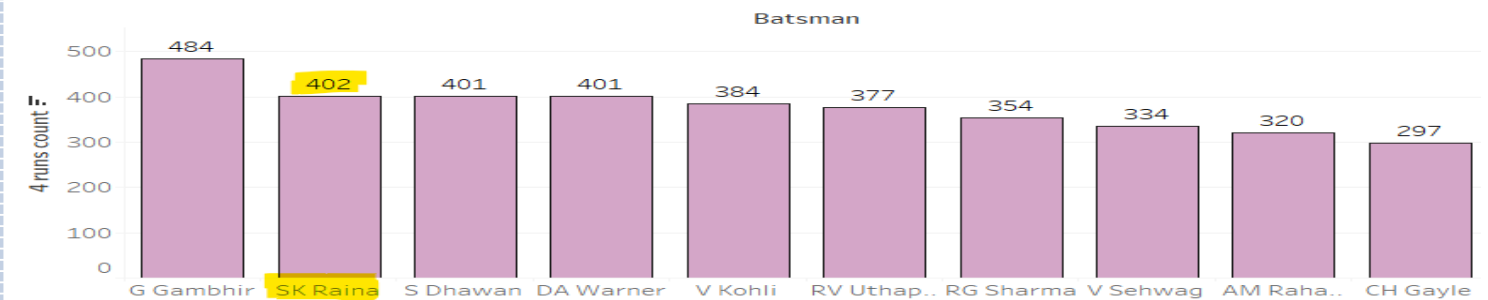
The best Batsmen is **SK Raina** as he has scored the maximum number of runs throughout all seasons by being the **top Orange Cap Contender**.

SK Raina is also among the Batsmen who have scored **maximum number of 4s and 6s**.

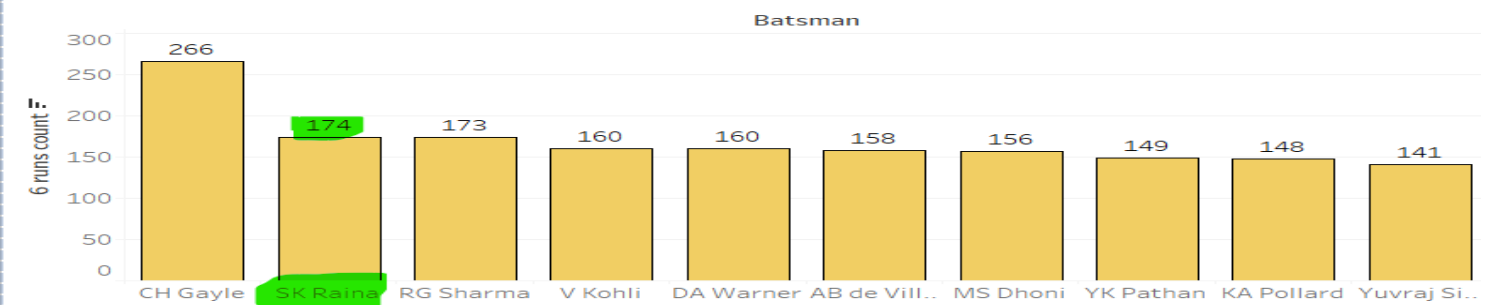
Orange Cap Contenders

SK Raina 4,548	G Gambhir 4,132	CH Gayle 3,651	S Dhawan 3,561
V Kohli 4,423	DA Warner 4,014	MS Dhoni 3,560	
RG Sharma 4,207	RV Uthappa 3,778	AB de Villiers 3,486	

Batsmen who hit more fours



Batsmen who hit more sixes

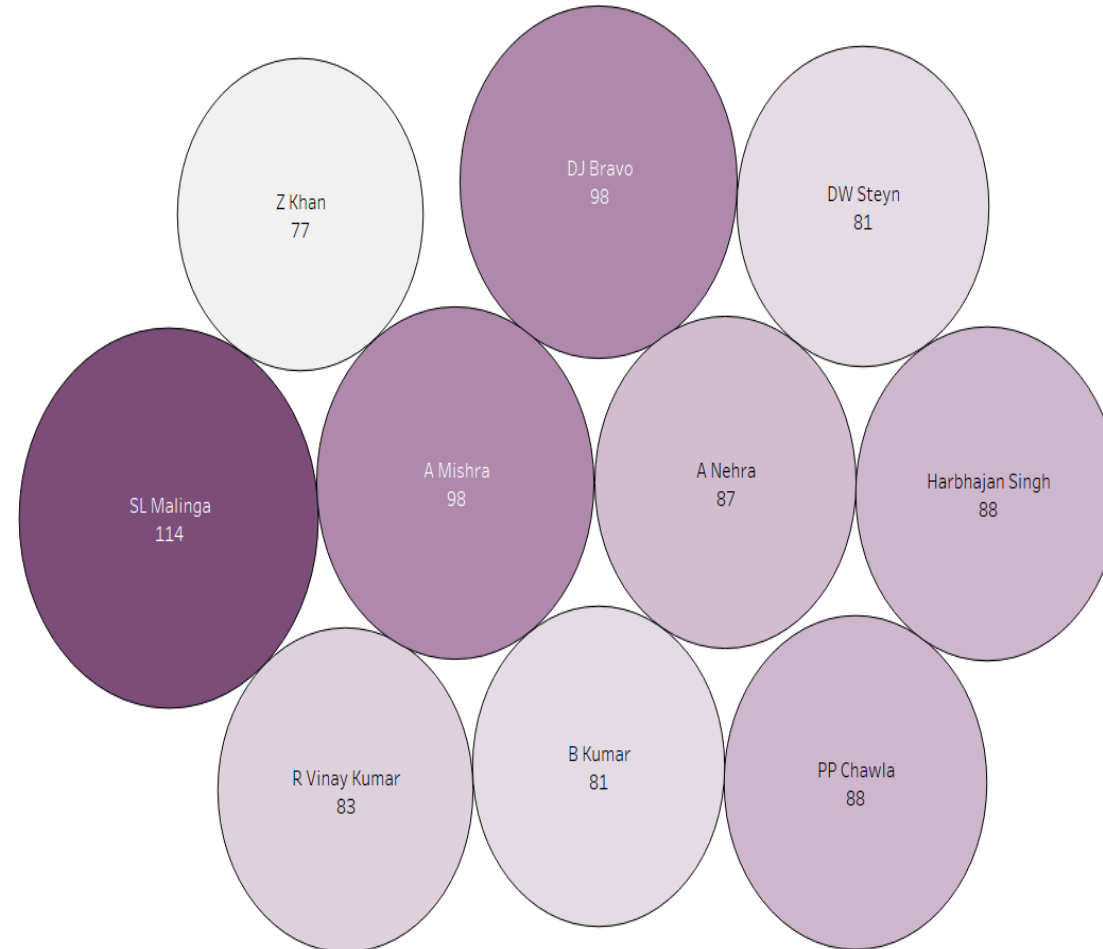


Player Statistics:

Purple Cap Contenders

Best Bowler:

The best Bowler is **SL Malinga** followed by **A Mishra** and **DJ Bravo** as they have taken maximum number of wickets.



YEAR(Season)

☒ (All)

☒ 2008

☒ 2009

☒ 2010

☒ 2011

☒ 2012

☒ 2013

☒ 2014

☒ 2015

☒ 2016

☒ 2017

CNTD(Player Dismissed)

77114

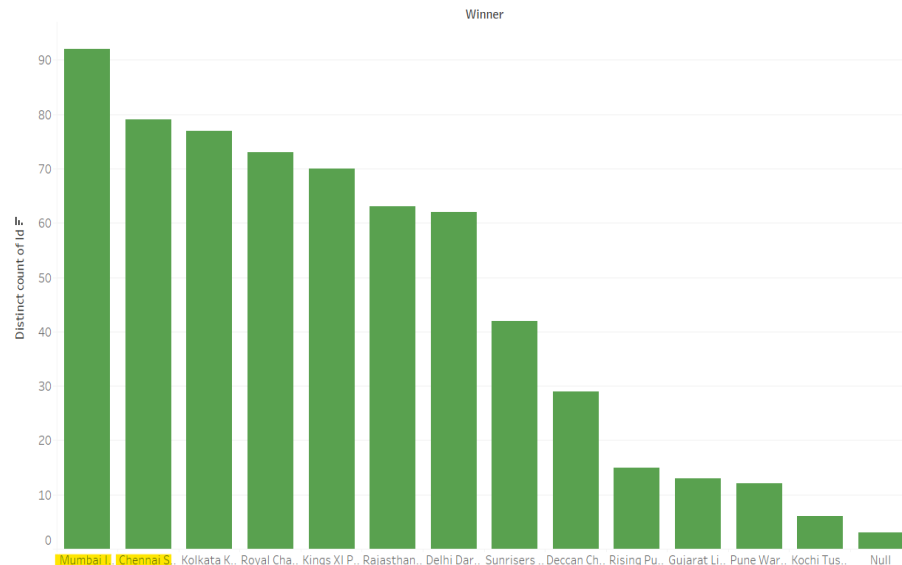
Team Statistics:

Statistics till 2015

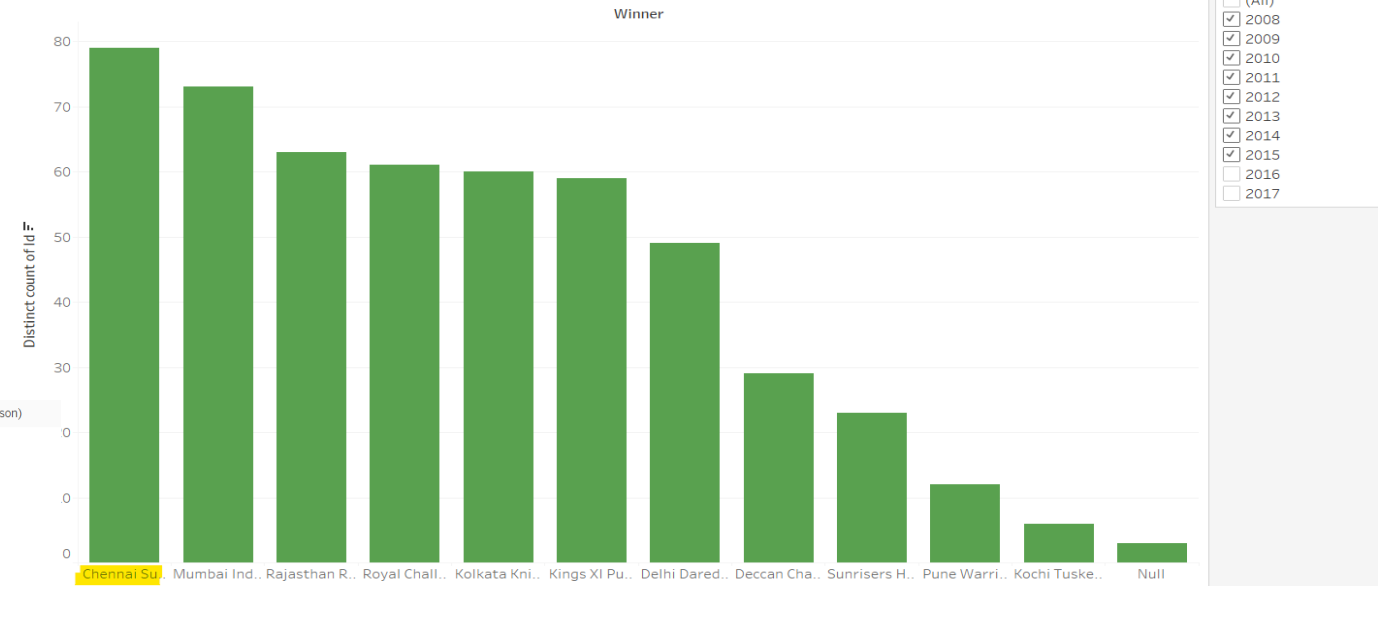
Winning Teams:

Chennai Super Kings was the top winning team till **2015** after which **Mumbai Indians** became the winning team followed by CSK.

Season-wise Wins



Season-wise Wins



Statistics after 2015

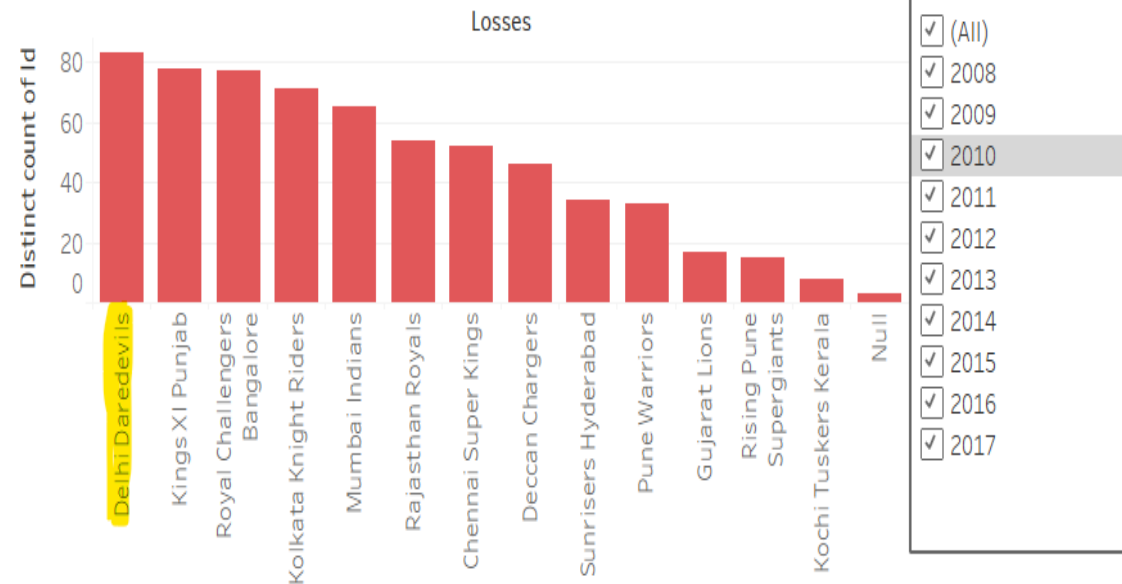
Team Statistics:

Statistics till 2012

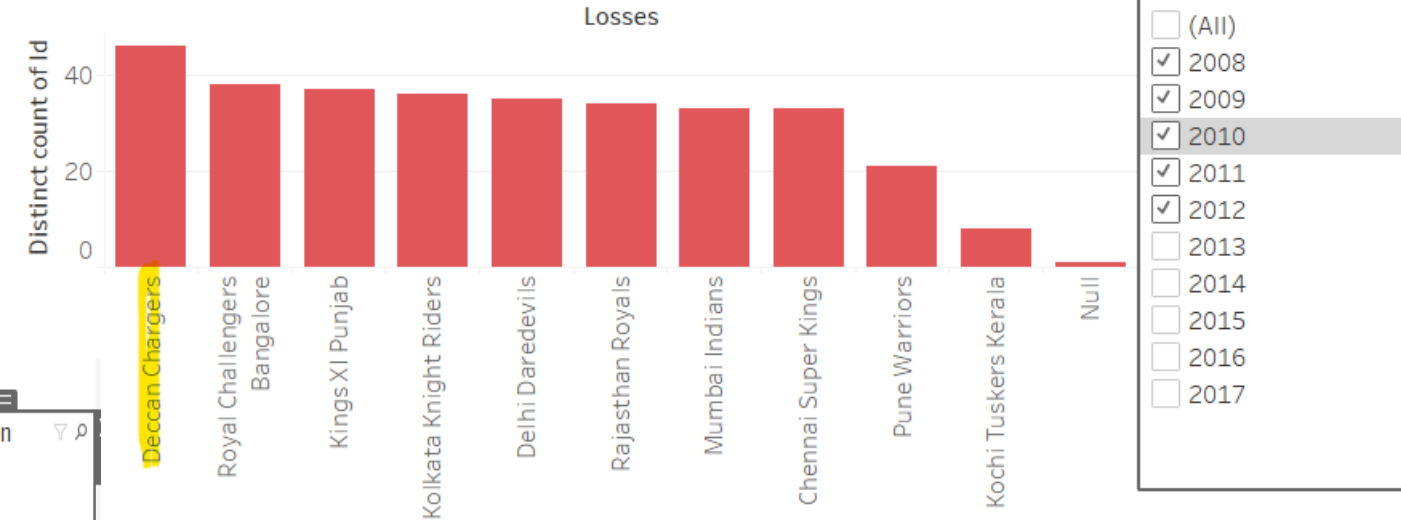
Losing Teams:

Deccan Chargers was the losing team till **2012** after which **Delhi Daredevils** became the poorly performing team.

Season-wise Losses



Season-wise Losses



Statistics after 2012

Background of IPL:

- ❖ The **Indian Premier League (IPL)** is a professional league for Twenty20 cricket championship in India. It was initiated by the Board of Control for Cricket in India(BCCI), headquartered in Mumbai, and is supervised by BCCI Vice President Rajeev Shukla, who serves as the league's Chairman and Commissioner. It is currently contested by nine teams, consisting of players from around the world. It was started after an altercation between the BCCI and the Indian Cricket League.
- ❖ IPL is the inspiration for various international T20 leagues including Friends Life t20 (England), MiWay T20 Challenge(South Africa) , Big Bash League (Australia), Bangladesh Premier League (Bangladesh).
- ❖ In 2010, IPL became the first sporting event ever to be broadcast live on YouTube in association with Indiatimes . Its brand value is estimated to be around [\\$3.67](#) billion in fourth season . According to the Annual Review of Global Sports Salaries by [sportingintelligence.com](#), IPL is the second highest-paid league, based on first-team salaries on a pro rata basis, second only to the NBA. It is estimated that the average salary of an IPL player over a year would be \$3.95 million.

Data sources:

The following datasets were used for analysis and visualization of the IPL trends:

- **matches.csv** - It contains match-level information for each and every match held in IPL from 2008 to 2017.
- **deliveries.csv** - It contains ball-by-ball information for each of the matches.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	match_id	inning	batting_team	bowling_team	over	ball	batsman	non_striker	bowler	is_super_over	wide_runs	bye_runs	legbye_runs	no_ball_runs	penalty_runs	batsman_runs	extra_runs	total_runs	player_dismissal	dismissal	fielder
2	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	1	1	DA Warner	S Dhawan	TS Mills	0	0	0	0	0	0	0	0	0			
3	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	1	2	DA Warner	S Dhawan	TS Mills	0	0	0	0	0	0	0	0	0			
4	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	1	3	DA Warner	S Dhawan	TS Mills	0	0	0	0	0	0	4	0	4			
5	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	1	4	DA Warner	S Dhawan	TS Mills	0	0	0	0	0	0	0	0	0			
6	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	1	5	DA Warner	S Dhawan	TS Mills	0	2	0	0	0	0	0	2	2			
7	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	1	6	S Dhawan	DA Warner	TS Mills	0	0	0	0	0	0	0	0	0			
8	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	1	7	S Dhawan	DA Warner	TS Mills	0	0	0	0	1	0	0	1	1			
9	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	2	1	S Dhawan	DA Warner	A Choudhary	0	0	0	0	0	0	1	0	1			
10	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	2	2	DA Warner	S Dhawan	A Choudhary	0	0	0	0	0	0	4	0	4			
11	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	2	3	DA Warner	S Dhawan	A Choudhary	0	0	0	0	0	1	0	0	1	1		
12	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	2	4	DA Warner	S Dhawan	A Choudhary	0	0	0	0	0	0	6	0	6			
13	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	2	5	DA Warner	S Dhawan	A Choudhary	0	0	0	0	0	0	0	0	0	DA Warner caught	Mandeep Singh	
14	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	2	6	MC Henriq	S Dhawan	A Choudhary	0	0	0	0	0	0	0	0	0			
15	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	2	7	MC Henriq	S Dhawan	A Choudhary	0	0	0	0	0	0	4	0	4			
16	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	3	1	S Dhawan	MC Henriq	TS Mills	0	0	0	0	0	0	1	0	1			
17	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	3	2	MC Henriq	S Dhawan	TS Mills	0	0	0	0	0	0	0	0	0			
18	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	3	3	MC Henriq	S Dhawan	TS Mills	0	0	0	0	0	0	0	0	0			
19	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	3	4	MC Henriq	S Dhawan	TS Mills	0	0	0	0	0	0	3	0	3			
20	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	3	5	S Dhawan	MC Henriq	TS Mills	0	0	0	0	0	0	1	0	1			
21	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	3	6	MC Henriq	S Dhawan	TS Mills	0	0	0	0	0	0	1	0	1			
22	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	4	1	MC Henriq	S Dhawan	YS Chahal	0	0	0	0	0	0	0	0	0			
23	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	4	2	MC Henriq	S Dhawan	YS Chahal	0	0	0	0	0	0	1	0	1			
24	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	4	3	S Dhawan	MC Henriq	YS Chahal	0	0	0	0	0	0	0	0	0			
25	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	4	4	S Dhawan	MC Henriq	YS Chahal	0	0	0	0	0	0	1	0	1			
26	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	4	5	MC Henriq	S Dhawan	YS Chahal	0	0	0	0	0	0	1	0	1			
27	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	4	6	S Dhawan	MC Henriq	YS Chahal	0	0	0	0	0	0	1	0	1			
28	1	1	Sunrisers Hyderabad	Royal Challengers Bangalore	4	7	S Dhawan	MC Henriq	YS Chahal	0	0	0	0	0	0	1	0	1			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T		
1	id	season	city	date	team1	team2	toss_winn	toss_decis	result	dl_applied	winner	win_by	run	win_by	wi	player_of	venue	umpire1	umpire2	umpire3	home_team	
2	1	2017	Hyderabad	05-04-2017	Sunrisers Hyderabad	Royal Chall Royal Chall field			normal	0	Sunrisers Hyderabad	35	0	Yuvraj Singh	Rajiv Gandhi A	Dandekar	NJ Llong				team1	
3	2	2017	Pune	06-04-2017	Mumbai Indians	Rising Pune Rising Pune field			normal	0	Rising Pune	0	7	SPD Smith	Maharashtra A	Nand Kis S Ravi					team2	
4	3	2017	Rajkot	07-04-2017	Gujarat Lions	Kolkata Knight Kolkata Knight field			normal	0	Kolkata Knight	0	10	CA Lynn	Saurashtra	Nitin Menon	CK Nandan				team1	
5	4	2017	Indore	08-04-2017	Rising Pune Kings XI Pu	Kings XI Pu field			normal	0	Kings XI Pu	0	6	GJ Maxwell	Holkar Cricket	AK Chaudh C	Shamshuddin				NA	
6	5	2017	Bangalore	08-04-2017	Royal Chall Delhi	Royal Chall bat			normal	0	Royal Chall	15	0	KM Jadhav	M Chinnaswamy	Stadium					team1	
7	6	2017	Hyderabad	09-04-2017	Gujarat Lions	Sunrisers Hyderabad	Sunrisers Hyderabad	field	normal	0	Sunrisers Hyderabad	0	9	Rashid Khan	Rajiv Gandhi A	Deshmukh	NJ Llong				team2	
8	7	2017	Mumbai	09-04-2017	Kolkata Knight Mumbai	Mumbai Indians	Mumbai Indians	field	normal	0	Mumbai Indians	0	4	N Rana	Wankhede	Nitin Menon	CK Nandan				team2	
9	8	2017	Indore	10-04-2017	Royal Chall Kings XI Pu	Royal Chall bat			normal	0	Kings XI Pu	0	8	AR Patel	Holkar Cricket	AK Chaudh C	Shamshuddin				NA	
10	9	2017	Pune	11-04-2017	Delhi Dare Rising Pune	Rising Pune field			normal	0	Delhi Dare	97	0	SV Samson	Maharashtra	AY Dandekar S	Ravi				team2	
11	10	2017	Mumbai	12-04-2017	Sunrisers Hyderabad	Mumbai Indians	Mumbai Indians	field	normal	0	Mumbai Indians	0	4	JJ Bumrah	Wankhede	Nitin Menon	CK Nandan				team2	
12	11	2017	Kolkata	13-04-2017	Kings XI Kolkata	Kolkata Knight Kolkata Knight field			normal	0	Kolkata Knight	0	8	SP Narine	Eden Gardens	A Deshmukh	NJ Llong				team2	
13	12	2017	Bangalore	14-04-2017	Royal Chall Mumbai	Mumbai Indians	Mumbai Indians	field	normal	0	Mumbai Indians	0	4	KA Pollard	M Chinnasw M	Chinnasw A	Ananth AK Chaudhary				team1	
14	13	2017	Rajkot	14-04-2017	Rising Pune Gujarat	Lic Gujarat Lic field			normal	0	Gujarat Lic	0	7	AI Tye	Saurashtra A	Nand Kis S Ravi					team2	
15	14	2017	Kolkata	15-04-2017	Kolkata Knight Sunrisers Hyderabad	Sunrisers Hyderabad	Sunrisers Hyderabad	field	normal	0	Kolkata Knight	17	0	RV Uthappa	Eden Gardens	AY Dandekar	NJ Llong				team1	
16	15	2017	Delhi	15-04-2017	Delhi Dare Kings XI Pu	Delhi Dare bat			normal	0	Delhi Dare	51	0	CJ Anderson	Feroz Shah	YC Barde	Nitin Menon				team1	
17	16	2017	Mumbai	16-04-2017	Gujarat Lic Mumbai	Mumbai Indians	Mumbai Indians	field	normal	0	Mumbai Indians	0	6	N Rana	Wankhede A	Nand Kis S Ravi					team2	
18	17	2017	Bangalore	16-04-2017	Rising Pune Royal Chall	Royal Chall field			normal	0	Rising Pune	27	0	BA Stokes	M Chinnasw M	Chinnasw A	Ananth C	Shamshuddin				team2
19	18	2017	Delhi	17-04-2017	Delhi Dare Kolkata	Knight Delhi Dare bat			normal	0	Kolkata Knight	0	4	NM Coulter	Feroz Shah	Nitin Menon	CK Nandan				team1	
20	19	2017	Hyderabad	17-04-2017	Sunrisers Hyderabad	Kings XI Pu Kings XI Pu field			normal	0	Sunrisers Hyderabad	5	0	B Kumar	Rajiv Gandhi A	Dandekar A	Deshmukh				team1	
21	20	2017	Rajkot	18-04-2017	Royal Chall Gujarat	Lic Gujarat Lic field			normal	0	Royal Chall	21	0	CH Gayle	Saurashtra S	Ravi	VK Sharma					team2
22	21	2017	Hyderabad	19-04-2017	Sunrisers Hyderabad	Delhi Dare Sunrisers Hyderabad	Sunrisers Hyderabad	bat	normal	0	Sunrisers Hyderabad	15	0	KS Williams	Rajiv Gandhi A	CB Gaffan	NJ Llong					team1
23	22	2017	Indore	20-04-2017	Kings XI Pu Mumbai	Mumbai Indians	Mumbai Indians	field	normal	0	Mumbai Indians	0	8	JC Buttler	Holkar Cricket	M Erasmus	C	Shamshuddin				NA
24	23	2017	Kolkata	21-04-2017	Kolkata Knight Gujarat	Lic Gujarat Lic field			normal	0	Gujarat Lic	0	4	SK Raina	Eden Gardens	CB Gaffan	Nitin Menon					team1
25	24	2017	Mumbai	22-04-2017	Mumbai Indians	Delhi Dare Delhi Dare field			normal	0	Mumbai Indians	14	0	MJ McCle	Wankhede A	Nand Kis S Ravi					team1	
26	25	2017	Pune	22-04-2017	Sunrisers Hyderabad	Rising Pune Rising Pune field			normal	0	Rising Pune	0	6	MS Dhoni	Maharashtra	AY Dandekar A	Deshmukh					team2
27	26	2017	Rajkot	23-04-2017	Kings XI Pu Gujarat	Lic Gujarat Lic field			normal	0	Kings XI Pu	26	0	HM Amla	Saurashtra	AK Chaudh M	Erasmus					team2
28	27	2017	Kolkata	23-04-2017	Kolkata Knight Royal Chall	Royal Chall field			normal	0	Kolkata Knight	0	0	NM Coulter	Feroz Shah	Nitin Menon	CK Nandan					team1