upGrad

IPL DATA VISUALIZATION USING TABLEAU

- Harshit Garg

- DSC42

Problem Statement

You work as a data analyst at **IFP**, a nationally recognized news agency, which is based out of New Delhi, and provides news reports and feeds to magazines, newspapers and TV broadcasters all over the country. The Sports Editor of the agency has approached you to build a Tableau dashboard of IPL statistics over the years since its inception in order to create an infographic for a newsletter that their team is working on.

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)

DATASETS

- **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

DASHBOARD-1

Players Statistics

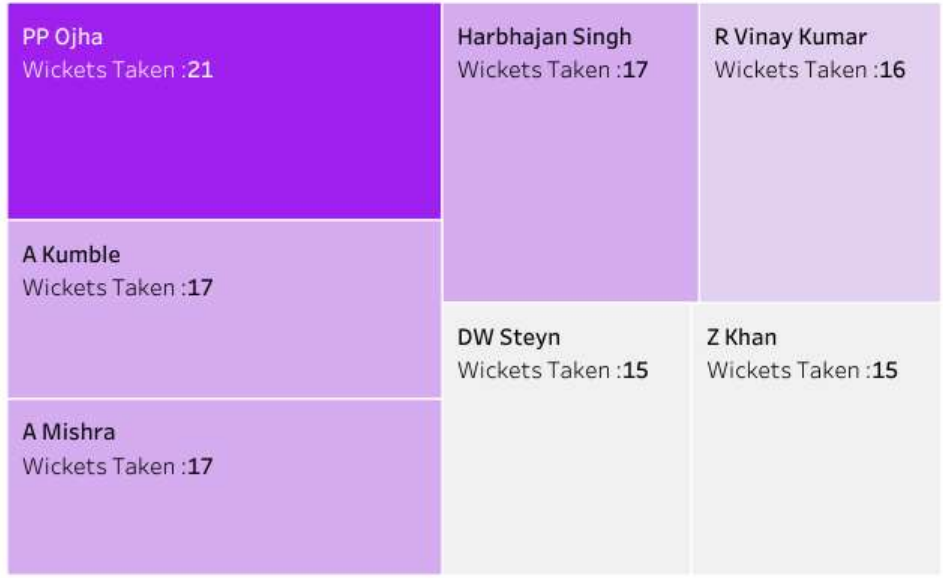
Player Statistics

Orange Cap Holders

Orange Cap - Year
2010

Purple Cap Holders

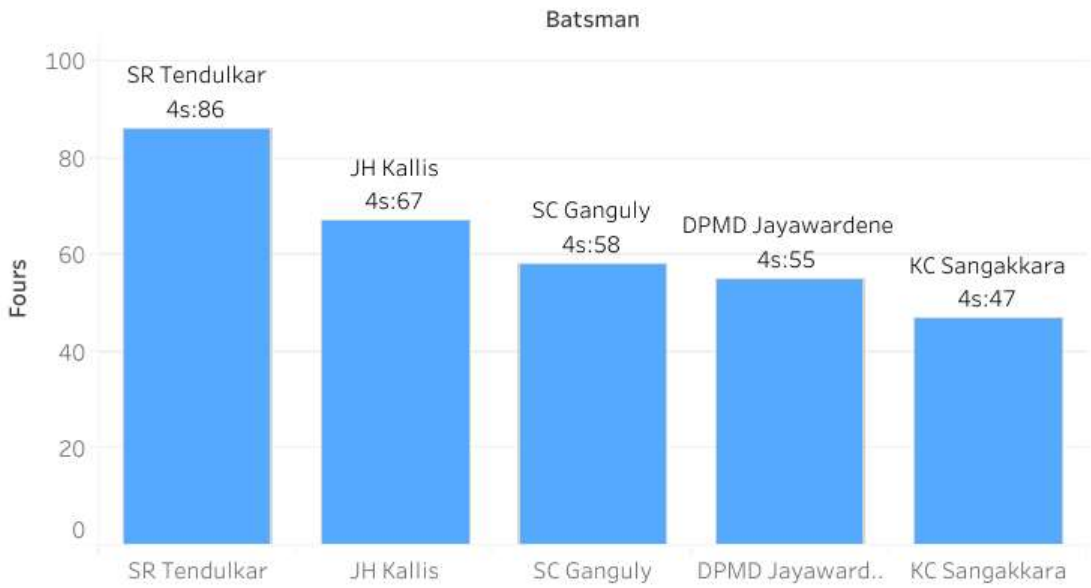
Purple Cap - Year
2010



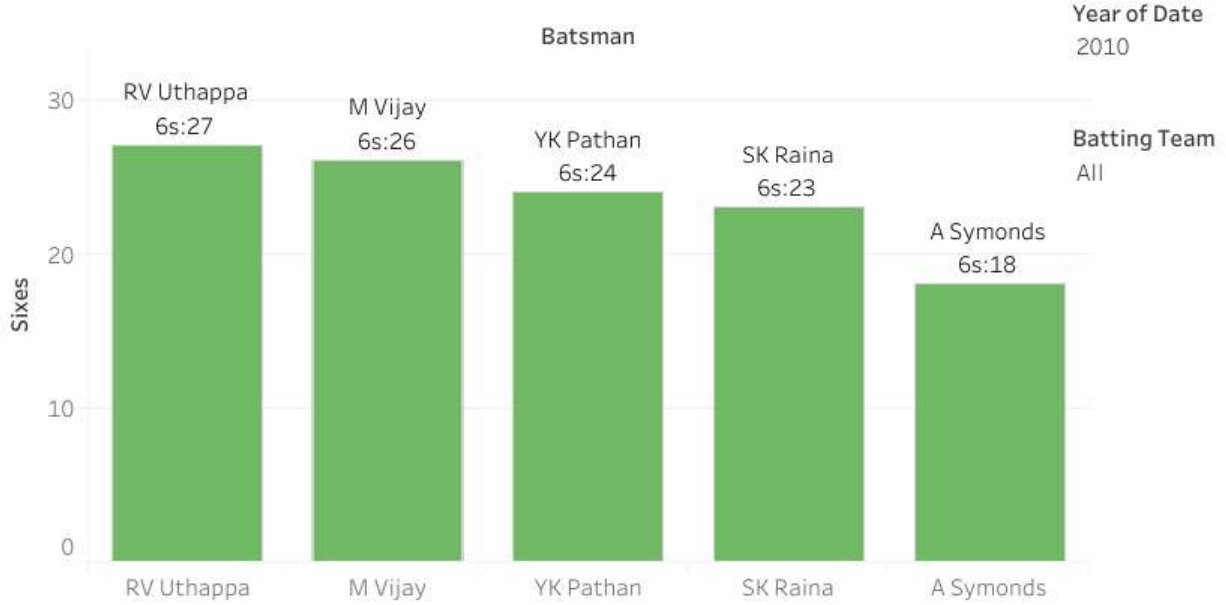
Batting Team
All

Fours

Year of Date
2010



Sixes



All other Orange Cap winners

Year	Winner	Team	Runs	Average	Strike Rate	50	100	Highest Score
2017	David Warner	SRH	641	58.27	141.81	4	1	126
2016	Virat Kohli	RCB	973	81.08	152.03	7	4	113
2015	David Warner	SRH	562	43.23	156.54	7	0	91
2014	Robin Uthappa	KKR	660	44	137.78	5	0	83
2013	Michael Hussey	CSK	733	52.35	129.5	6	0	95
2012	Chris Gayle	RCB	733	61.08	160.74	7	1	128
2011	Chris Gayle	RCB	608	67.55	183.13	3	2	107
2010	Sachin Tendulkar	MI	618	47.53	132.61	5	0	89
2009	Matthew Hayden	CSK	572	52	144.81	5	0	89
2008	Shaun Marsh	KXIP	616	68.44	139.68	5	1	115

- Of all the orange cap winners, Virat Kohli has scored the most centuries, 4 in 2016. Also, the most run among them scoring 973 runs
- Chris Gayle is the only player to have won orange cap more than once.
- RCB has won the orange cap maximum times - 3

- Dwayne Bravo has taken most wickets of all the purple cap holders, 32.
- B Kumar and D Bravo are the only player to have won Purple cap twice

All other Purple Cap winners

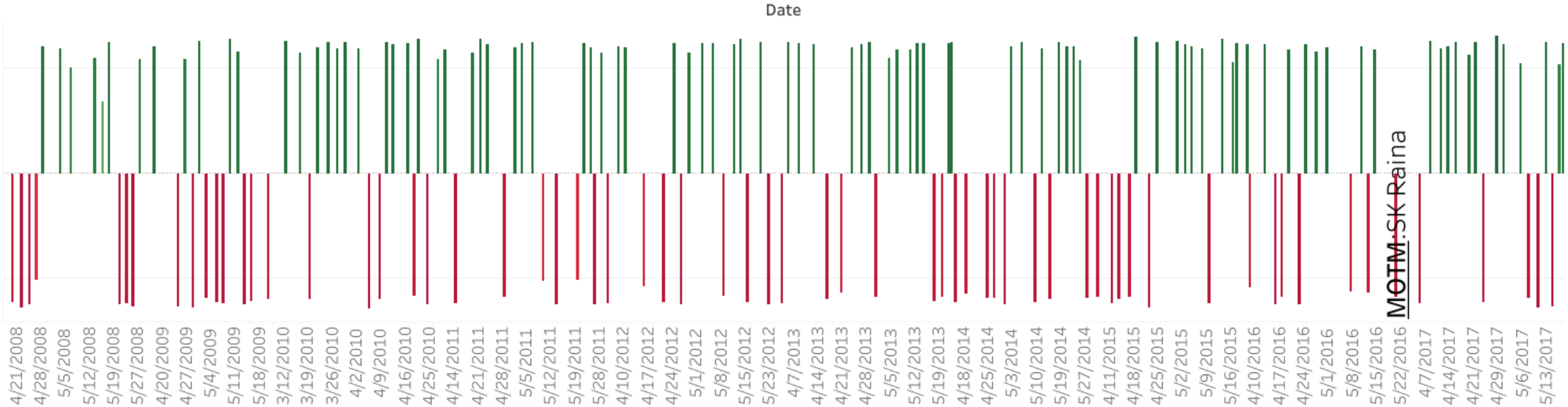
Year	Player	Team	Matches	Wickets	Average	Economy	Strike Rate
2017	Bhuvneshwar Kumar	Sunrisers Hyderabad	14	26	14.19	7.05	12
2016	Bhuvneshwar Kumar	Sunrisers Hyderabad	17	23	21.3	7.42	17.2
2015	Dwayne Bravo	Chennai Super Kings	17	26	16.38	8.14	12
2014	Mohit Sharma	Chennai Super Kings	16	23	19.65	8.39	14
2013	Dwayne Bravo	Chennai Super Kings	18	32	15.53	7.95	11.7
2012	Morne Morkel	Delhi Daredevils	16	25	18.12	7.19	15.1
2011	Lasith Malinga	Mumbai Indians	16	28	13.39	5.95	13.5
2010	Pragyan Ojha	Deccan Chargers	16	21	20.42	7.29	16.8
2009	RP Singh	Deccan Chargers	16	23	18.13	6.98	15.5
2008	Sohail Tanvir	Rajasthan Royals	11	22	12.09	6.46	11.22

DASHBOARD-2

Team Statistics

Team Statistics

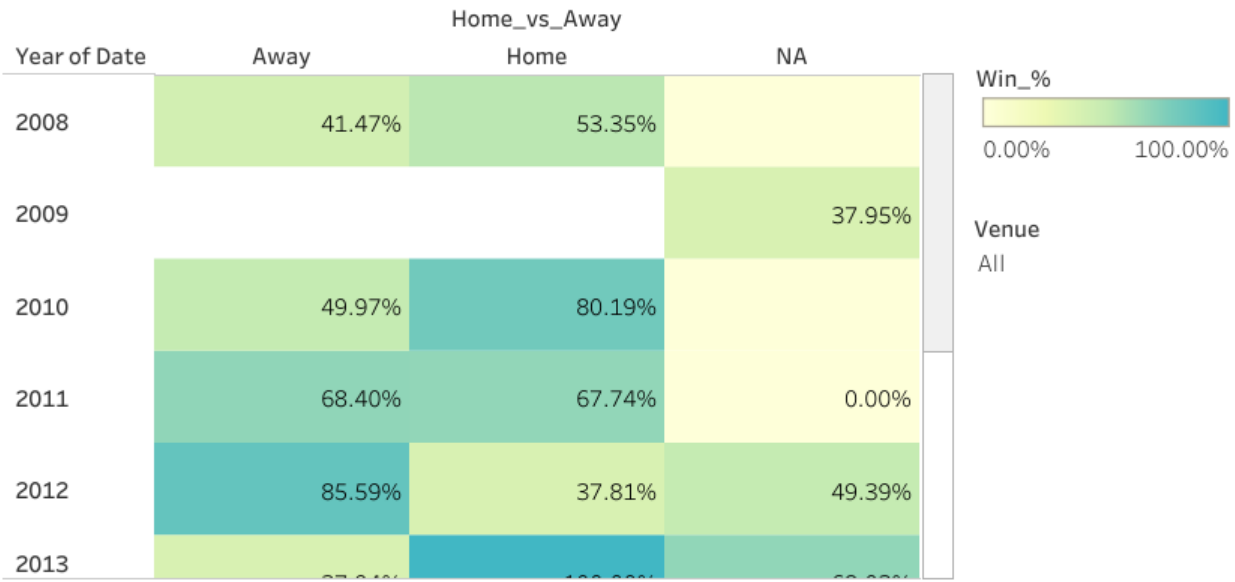
Season Performance of Mumbai Indians in All



Year of Date
All

Teams
Mumbai Indians

Home vs Away Win% of **Mumbai Indians** at All



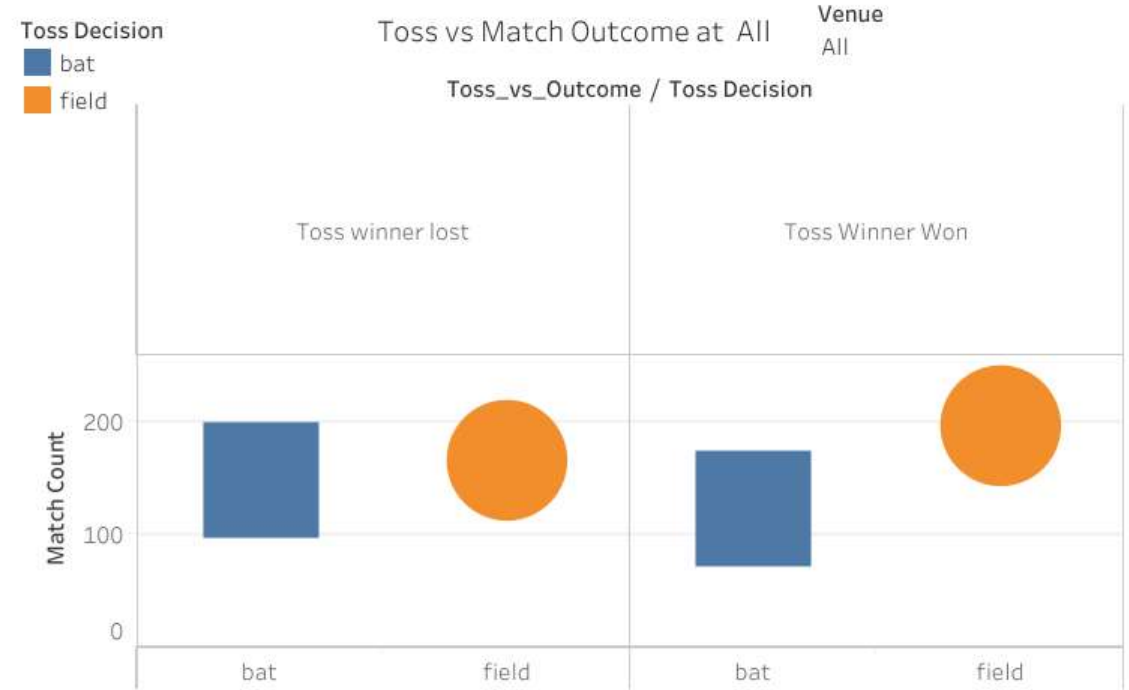
Win_%
0.00% 100.00%

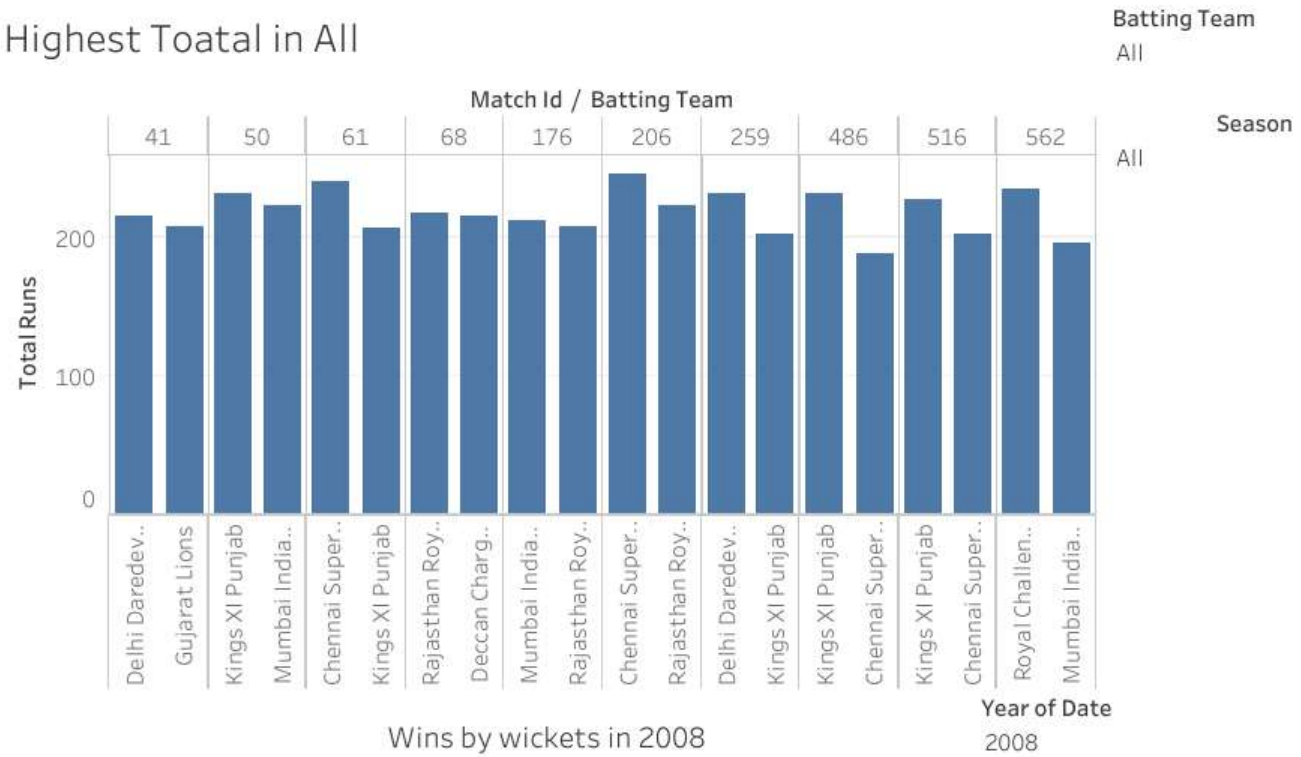
Venue
All

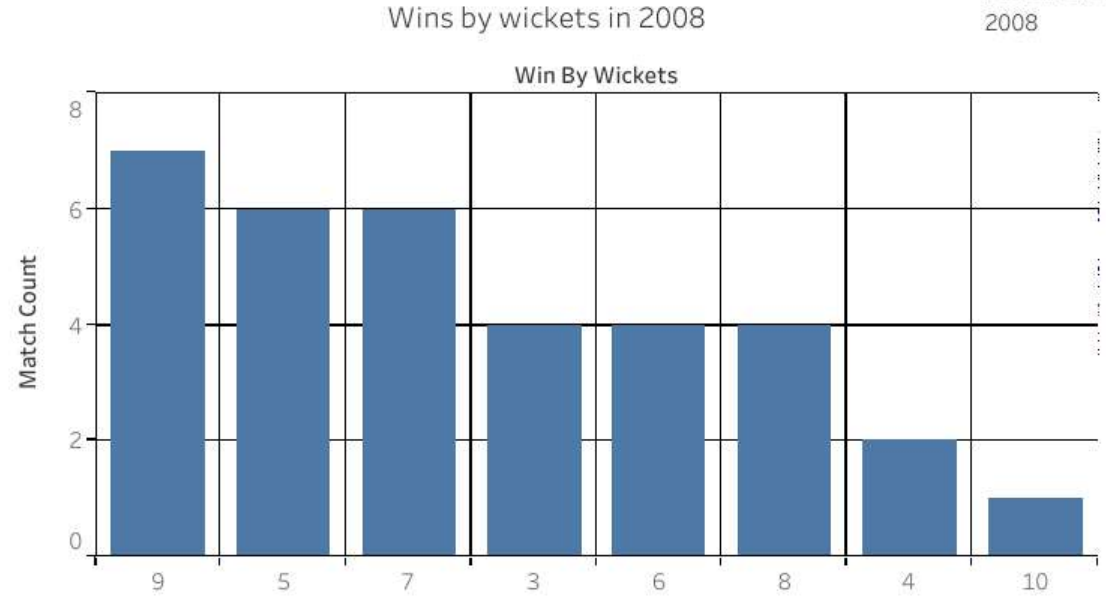
DASHBOARD-3

Match Statistics

Match Statistics







Thank You