IPL Data Visualization

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Problem Statement

The Sports Editor of the News agency has approached 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. For this newsletter, in some cases, they will use the visual representations created in Tableau directly for their infographic, and in a few other cases, they will use important statistics after trying out the different filters and customizations that we provided for interactivity.

Dataset Given

- 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.

We divided the dashboard into 3 parts.

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)

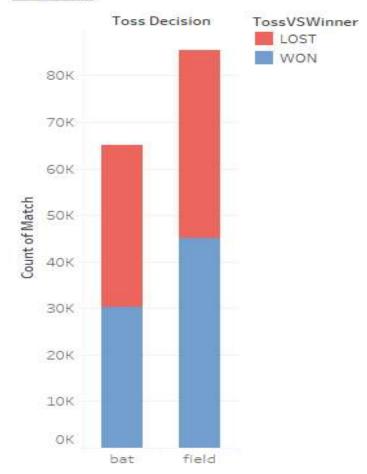
Toss outcome VS Match outcome

Displays Count of match for toss decision bat or field and how many matches toss winner team won or lost.

Given filter on dashboard to select Ground/venue to see the result for specific ground.

Outcome: It is seen the if toss winner team select to field they won most matches

Toss Outcome VS Match Outcome



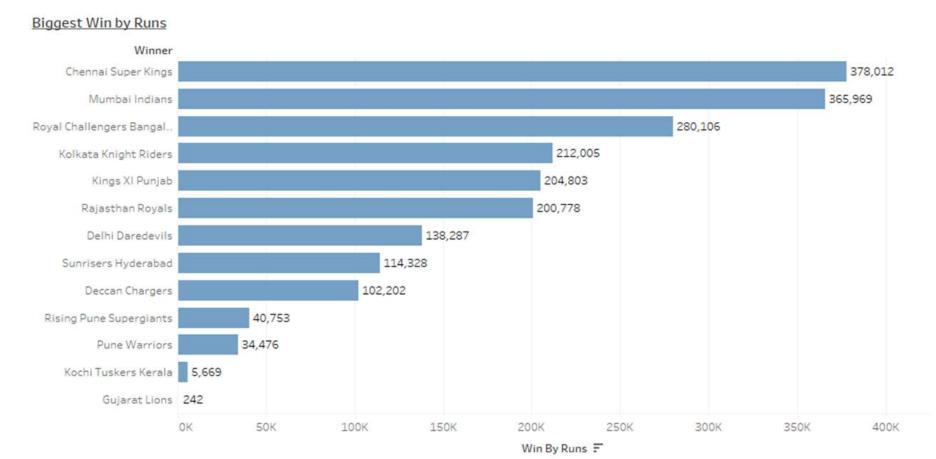
Count of Match for each Toss Decision. Color shows details about TossVSWinner. The data is filtered on Venue, which keeps 35 of 35 members.

Biggest Win by Runs

A bar graph to show which team won by maximum total run across all season.

<u>Outcome</u>: Chennai super kings is at first place followed by Mumbai Indians and Royal challengers Bangalore across all season.

Season filter given on dashboard.

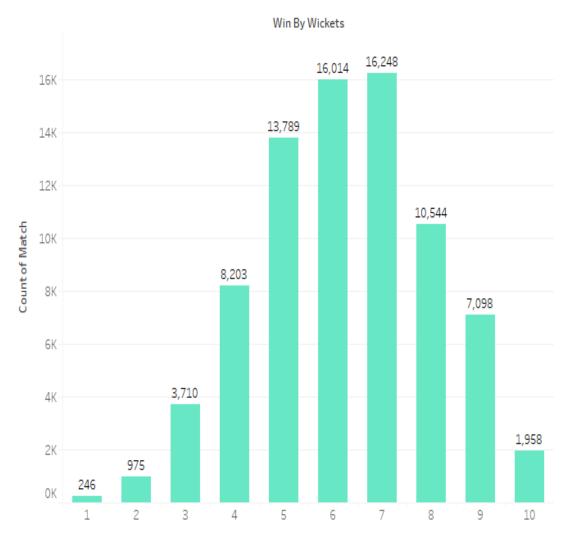


Biggest win by wickets

a bar graph to show biggest win by wickets across all season

Outcome: win by 7 wickets is the most followed by 6 and 5

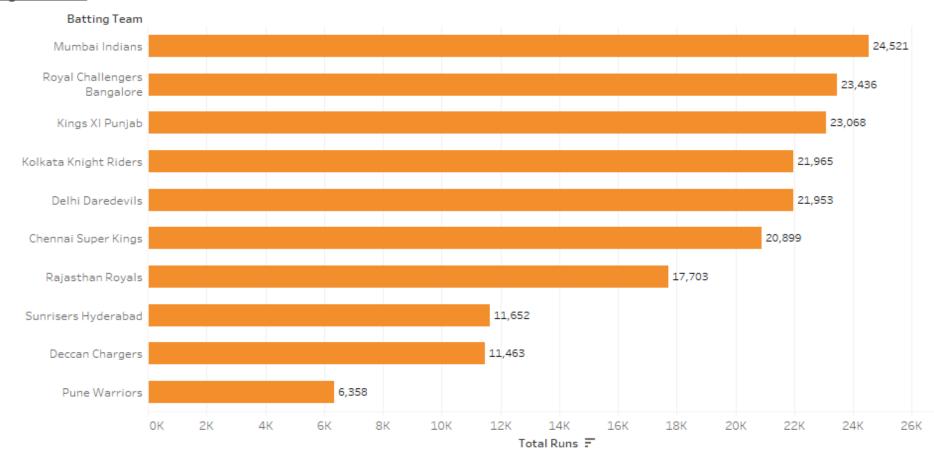
Biggest Win by Wickets



Highest Total

Plot a bar graph to check which team score highest across all season Outcome: mumbai indians scored highest followed by royal challengers banglore

Highest Total

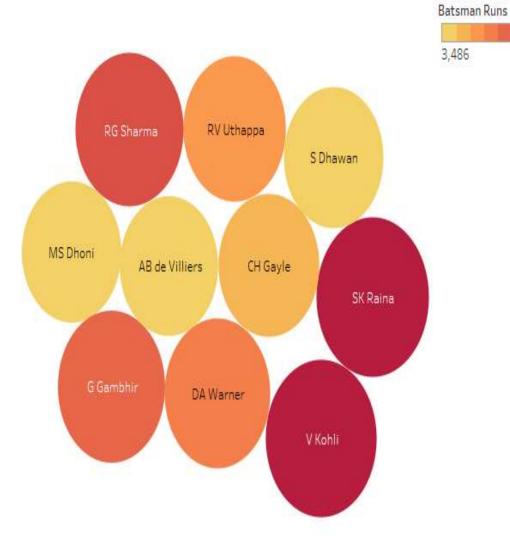


Orange Cap Contenders

Orange Cap Contenders

Plot bubble chart to show the top 10 players who got orange cap in a particular season.

Season filter given on dashboard to get result for any particular season



4,548

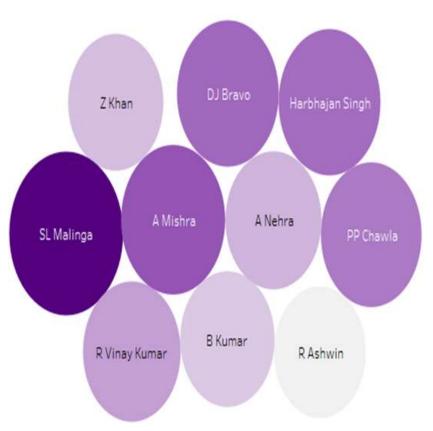
Purple Cap Contenders

Purple Cap contenders

Plot a bubble chart to show the bowlers who took more wickets and are purple cap winners.

Season filter is given on dashboard.



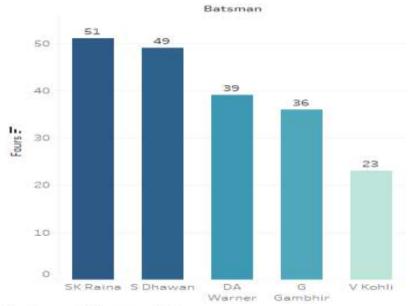


Batsman hits more 4s and 6s

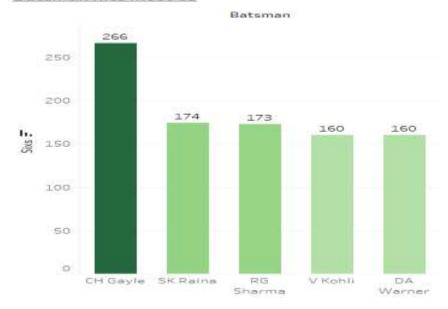
Plot a bar chart to show which top 5 batsman hit maximum 4s and 6s.

Season filter is given to check the season wise data.

Batsman hits most 4s



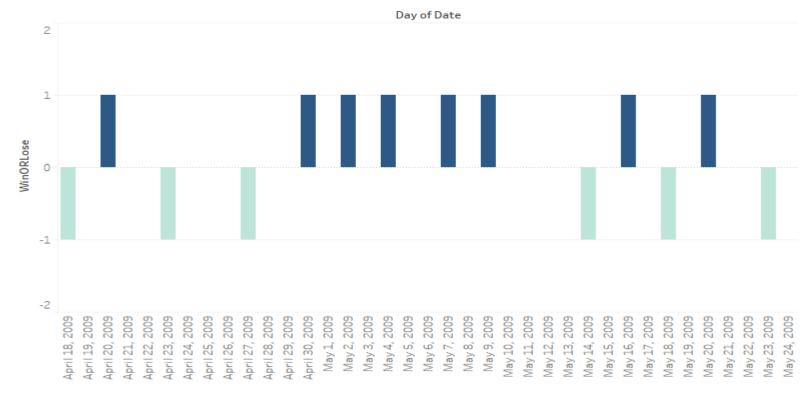
Batsman hits most 6s



Team performance

Plot a bar chart which shows date wise win or lose match for particular team. Season filter is given to check view for different season. Also the team filter is given to change the Team





Win percentage

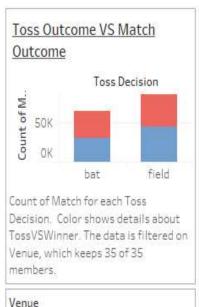
Plot a highlighted table to display win percentage of particular team when they play At Home or Away Filter is given on Team and season.

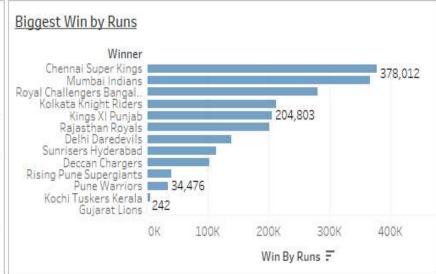
Win percentage of Mumbai Indians

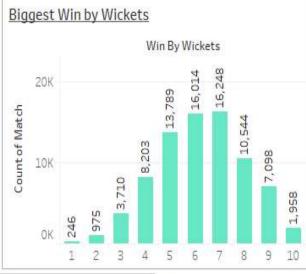
Home OR Away	Date									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
AWAY	41.5%		50.0%	68.4%	85.6%	37.9%	100.0%	56.8%	66,8%	66.6%
HOME	53.3%		80.2%	67.7%	37.8%	100.0%	66.3%	63.2%	50.1%	62.3%
NA		38.0%		0.0%	49,4%	68.0%	0.0%	100.0%	25,6%	100.0%

Dashboard 1: Match Statistics

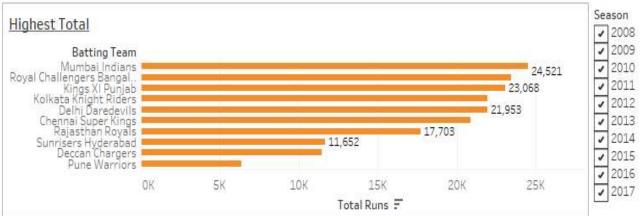
Match Statistics











Dashboard 2: Player Statistics

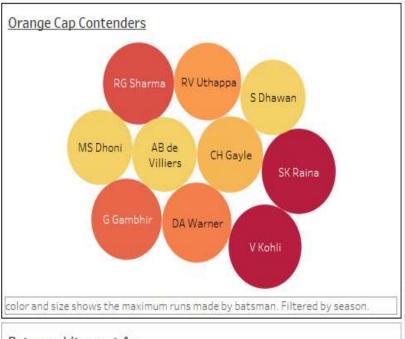
Player Statastics

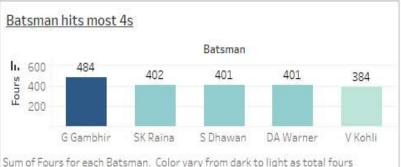
Purple Cap Contenders

Batsman hits most 6s

266

300





decrease. The marks are labeled by sum of Fours. The data is filtered on Season

174 173 160 160

100

CH Gayle SK Raina RG Sharma V Kohli DA Warner

Top 5 batsman who hits most 6s filtered by season.

DJ Bravo

B Kumar

A Nehra

R Ashwin

A Mishra

ZKhan

R Vinav

Kumar

Batsman

SL Malinga

Color and size shows count of wickets taken by bowler. Filtered by season

Dashboard 3: Team Statistics

