

IPL Visualisations

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Problem Statement

To build a Tableau dashboard of IPL statistics over the years since its inception in order to create an infographic for a newsletter that our team is working on.

I am expected to build an interactive dashboard on Tableau for this purpose.

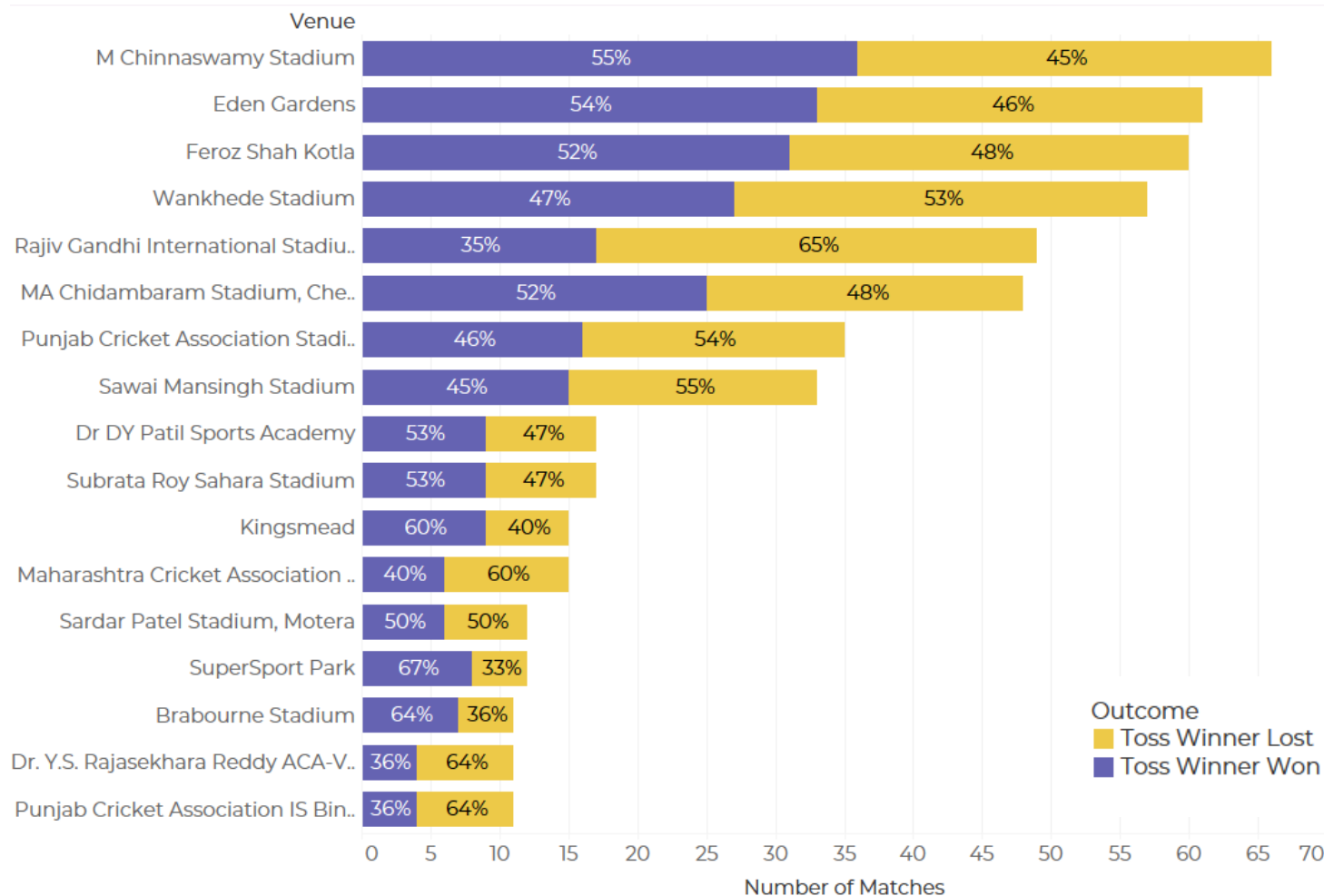
Data Provided

The following two data set files have been provided:

- 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.

Match Statistics

Toss vs Match Outcome



Most venues hover around the 50–55% mark when it comes to toss winner winning.

However this figure drops to 36% for IS Bindra PCA stadium in Punjab and Dr. YS Rajasekhara Reddy Stadium

*Only venues who have hosted > 10 games shown here

Highest Totals

Teams

Royal Challengers Bangalore	263
Royal Challengers Bangalore	248
Chennai Super Kings	246
Chennai Super Kings	240
Royal Challengers Bangalore	235
Kings XI Punjab	232
Delhi Daredevils	231
Kings XI Punjab	231
Kings XI Punjab	230
Royal Challengers Bangalore	227

The highest total (263) was scored by RCB when they played Pune Warriors in Bengaluru during IPL 2013.

They also make the most appearances (4) on the list of Top 10 Highest Totals. 3 out of these 4 have come on their home turf.

Kings XI Punjab have the next most appearances (3) on this list. All 3 of these have come been on opponent's turf.

*Only top 10 highest totals shown here.

Biggest Margins of Victory (by runs)

Teams

Mumbai Indians	146
Royal Challengers Bangalore	144
Kolkata Knight Riders	140
Royal Challengers Bangalore	138
Royal Challengers Bangalore	130
Kings XI Punjab	111
Rajasthan Royals	105
Mumbai Indians	98
Chennai Super Kings	97
Delhi Daredevils	97

Mumbai Indians hold the record for the biggest win margin (by runs) for when they defeated Delhi Daredevils by 146 runs in IPL 2017. They appear one other time on this list.

RCB appear on this list 3 times and are not far behind Mumbai Indians for the biggest win margin as they defeated Gujarat Lions by 144 runs in IPL 2016.

*Only top 10 margins of victory shown here

Biggest Margins of Victory (by wkts)

Teams

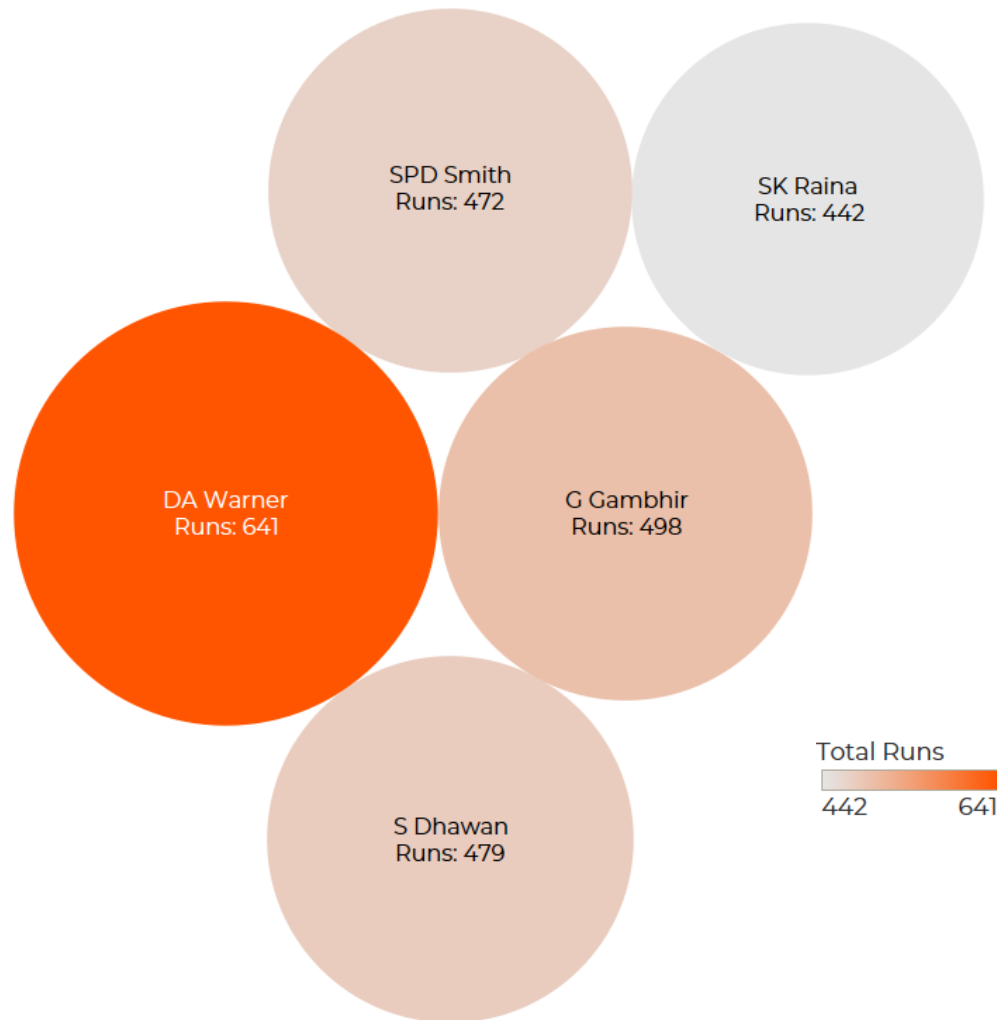
Kings XI Punjab
Rajasthan Royals
Mumbai Indians
Gujarat Lions
Delhi Daredevils
Rajasthan Royals
Kings XI Punjab
Delhi Daredevils
Gujarat Lions
Mumbai Indians



Over the years, several teams have won by a margin of 10 wickets.

Player Statistics

Orange Cap Contenders ('17)



At the end of the 2017 season, David Warner won the Orange Cap for his mammoth total of 641 runs. This was significantly more than the next contender, Gautam Gambhir who scored a total of 498 runs.

A gap of 143 runs between the first and second contender is no joke. David Warner was on fire!

*Only top 5 contenders shown here

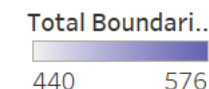
Most Boundaries (overall)

SK Raina Total Boundaries: 576 6s: 174 4s: 402	V Kohli Total Boundaries: 544 6s: 160 4s: 384	RV Uthappa Total Boundaries: 502 6s: 125 4s: 377	S Dhawan Total Boundaries: 472 6s: 71 4s: 401
CH Gayle Total Boundaries: 563 6s: 266 4s: 297	G Gambhir Total Boundaries: 542 6s: 58 4s: 484	AB de Villiers Total Boundaries: 445 6s: 158 4s: 287	
DA Warner Total Boundaries: 561 6s: 160 4s: 401	RG Sharma Total Boundaries: 527 6s: 173 4s: 354	V Sehwag Total Boundaries: 440 6s: 106 4s: 334	

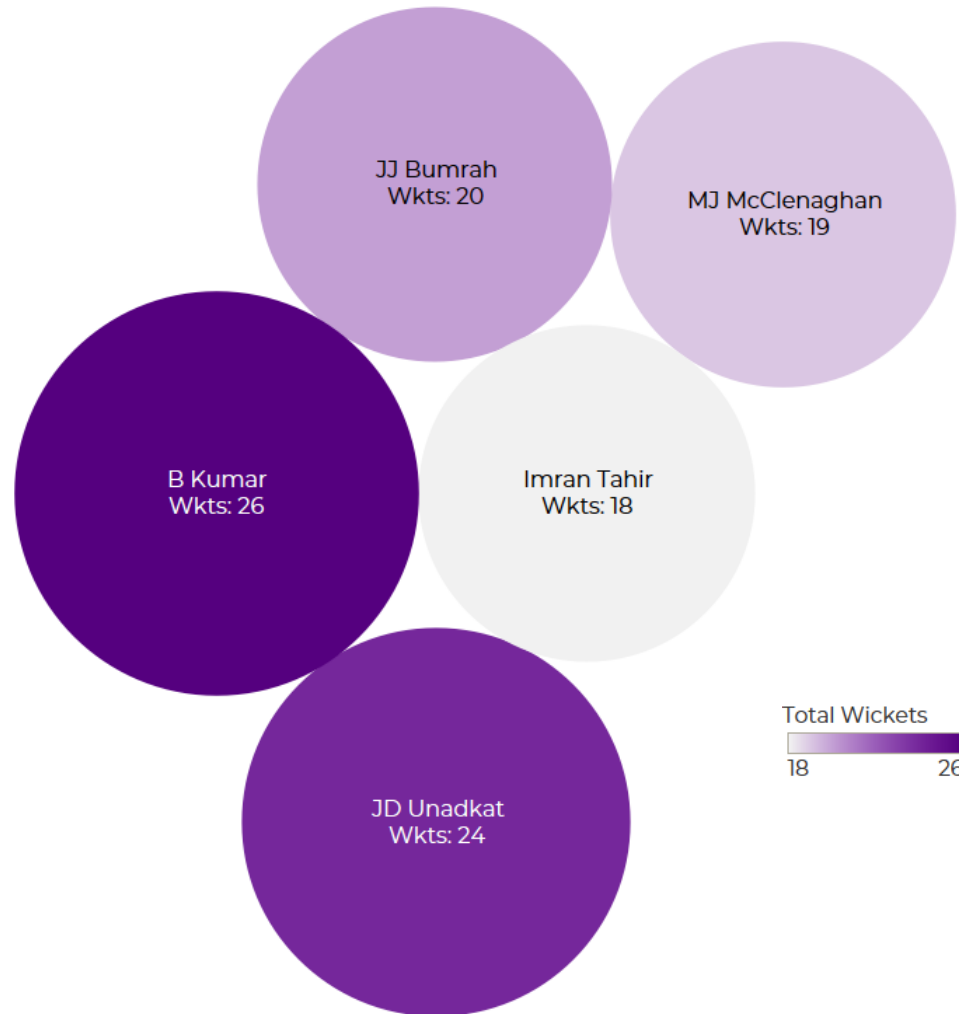
Suresh Raina tops this list of most boundaries (all time) with a total of 576 boundaries which include 174 sixes and 402 fours.

The next contender, Chris Gayle has a total of 563 boundaries (266 sixes, 297 fours)

*Only top 10 contenders shown here



Purple Cap Contenders ('17)



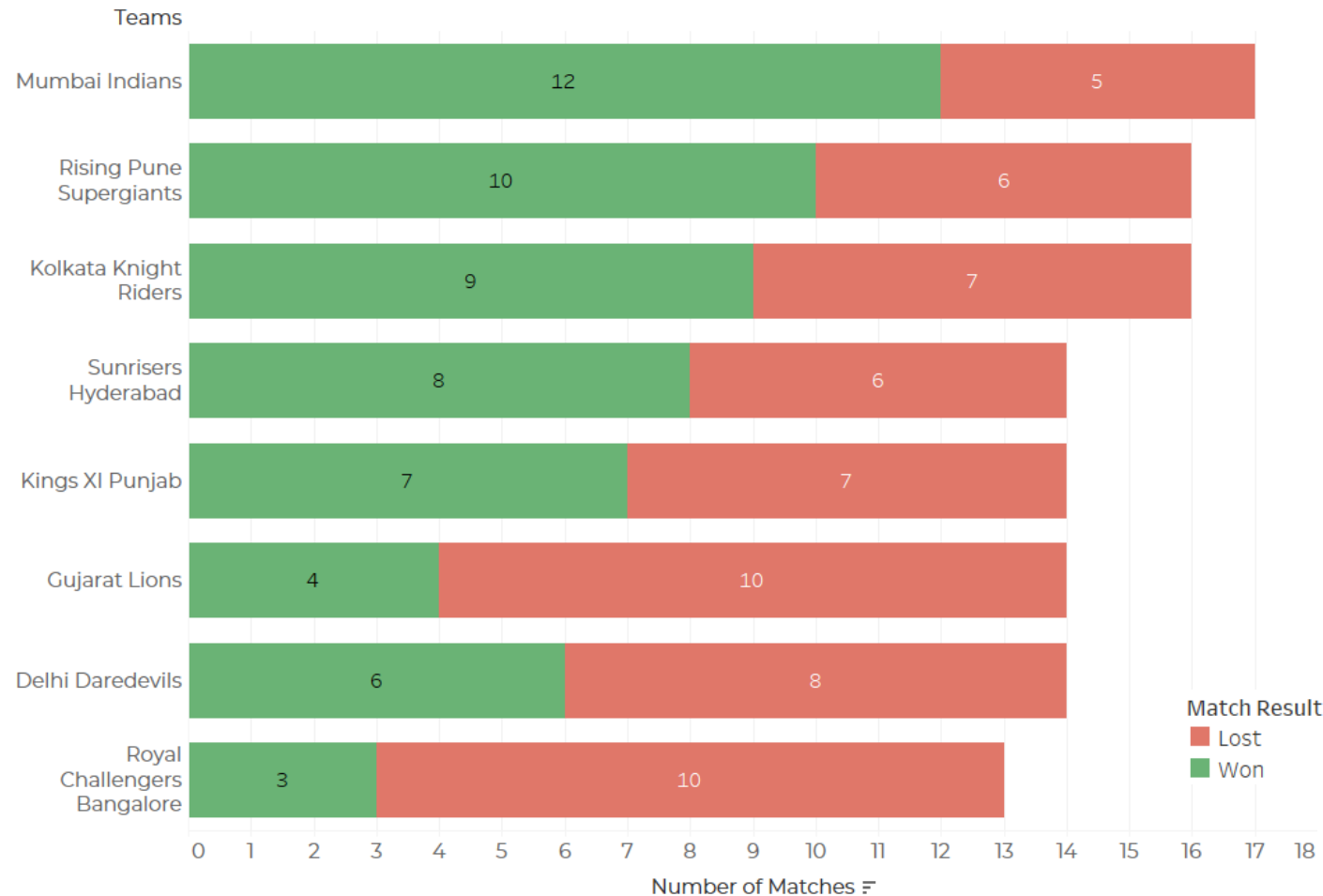
At the end of the 2017 season, Bhuvneshwar Kumar won the Purple Cap for his 26 wicket haul over 12 matches. This is impressive considering he won the Purple Cap in the 2016 season as well.

Unadkat comes in second with a 24 wicket haul.

*Only top 5 contenders shown here

Team Statistics

Team Performance ('17)

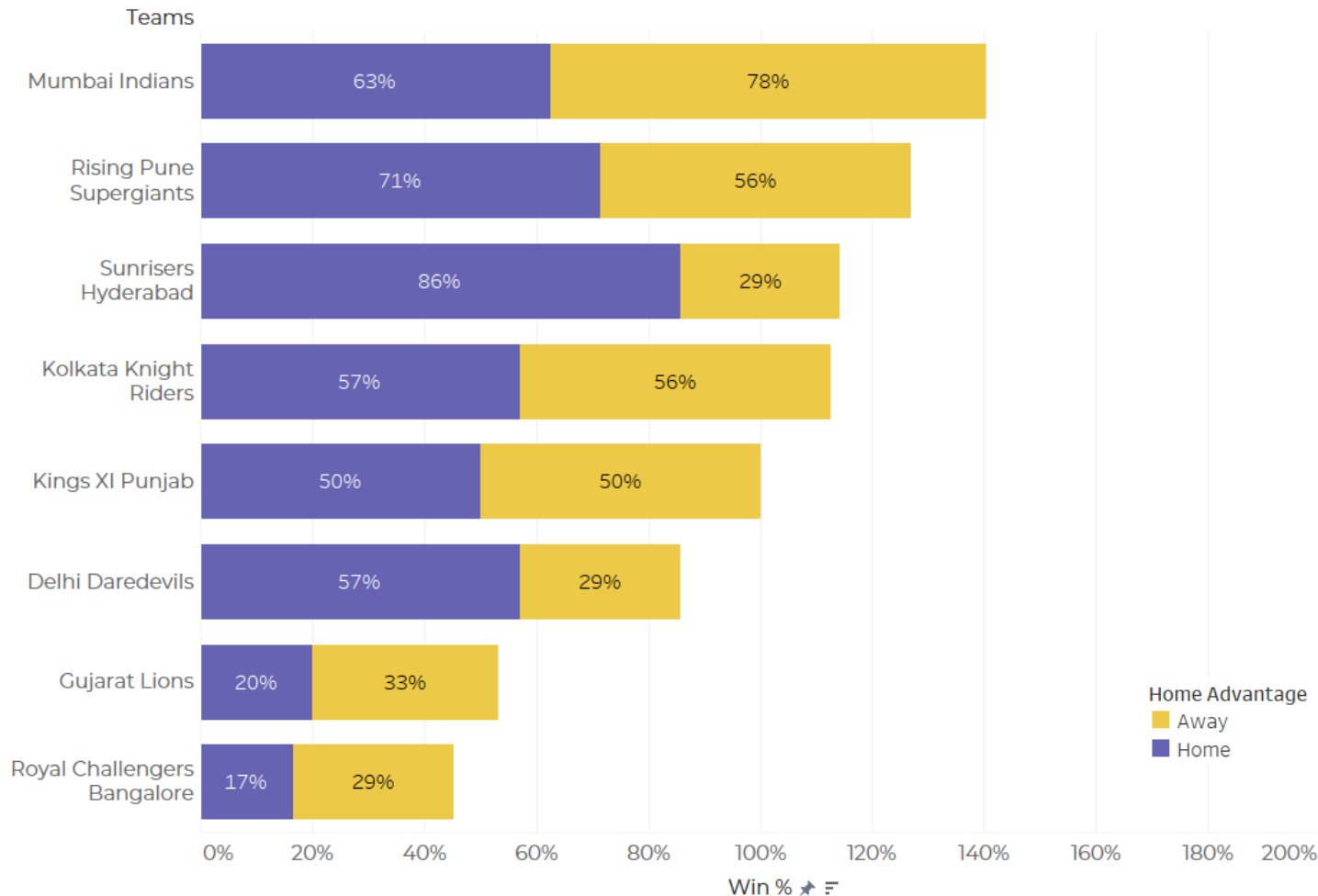


Through the IPL 2017 campaign, Mumbai Indians had the best overall win percentage at 70.6%

RCB had a season to forget where they lost three out of fourteen games. A win percentage of only 23.1%

*Only top 10 contenders shown here

Win Percentage - home vs away ('17)



Sunrisers Hyderabad enjoyed the best home form winning 86% of all their home games.

RCB and Gujarat Lions both had a poor season with both home and away win percentages under 40%