



# IPL DATA SET ANALYSIS

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# ABOUT THE DATA

## PROBLEM STATEMENT

The Indian Premier League, or IPL, is a T20 cricket league, which was founded in 2008 and is held every year. It sees participation from both national and international players, and eight teams representing eight Indian cities compete in a double round-robin format in the league stages, which are followed by playoffs. Over the years, IPL has become one of the most watched and most attended live sporting events all over the world.

Datasets 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.



# About The Data

## ANALYSIS TO BE PERFORMED

### 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)

# Match Statistics

## TOSS vs MATCH Outcome

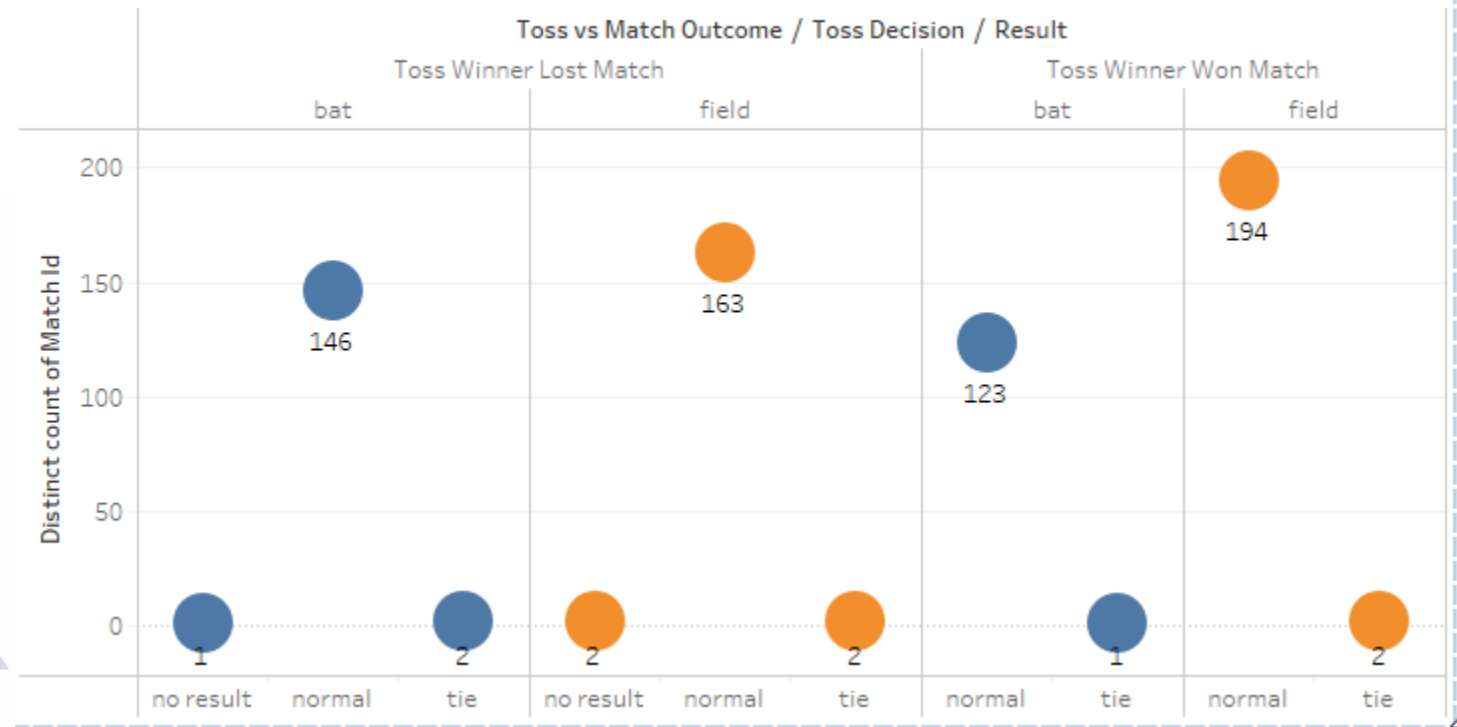
Here, we can infer the following :

- 146 times when the Toss winner chose batting, the team won the match while 123 times it lost the matches
- 163 times when the Toss winner chose fielding, the won the match while 194 times, it lost the match.



INDIAN  
PREMIER  
LEAGUE

Toss Vs Match Outcomes



# Match Statistics

## Highest Runs Scored

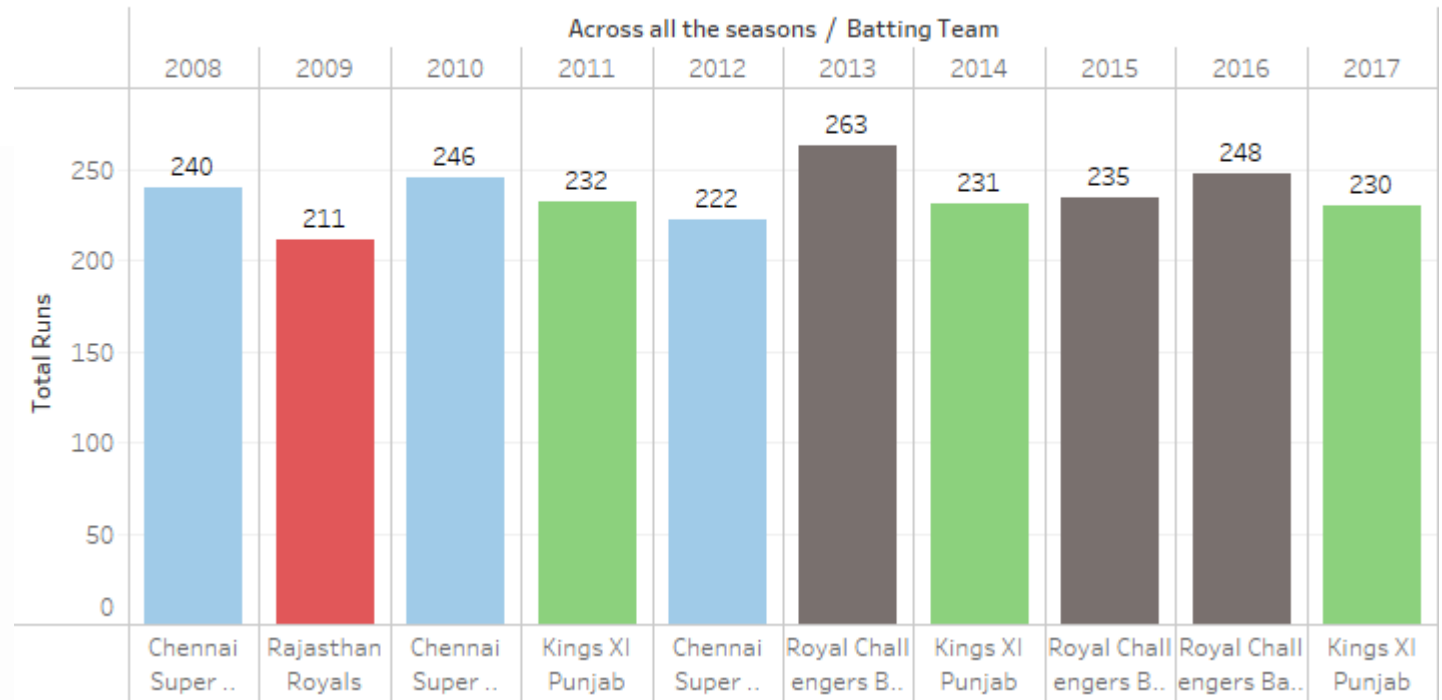
Here, we can infer the following :

- Royal Challengers have become the team who have scored highest run across all seasons amongst top 10
- Royal Challengers have improved their performance in the recent years (2013 onwards)



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Highest total across all the seasons



# Match Statistics

## Biggest Win By Runs

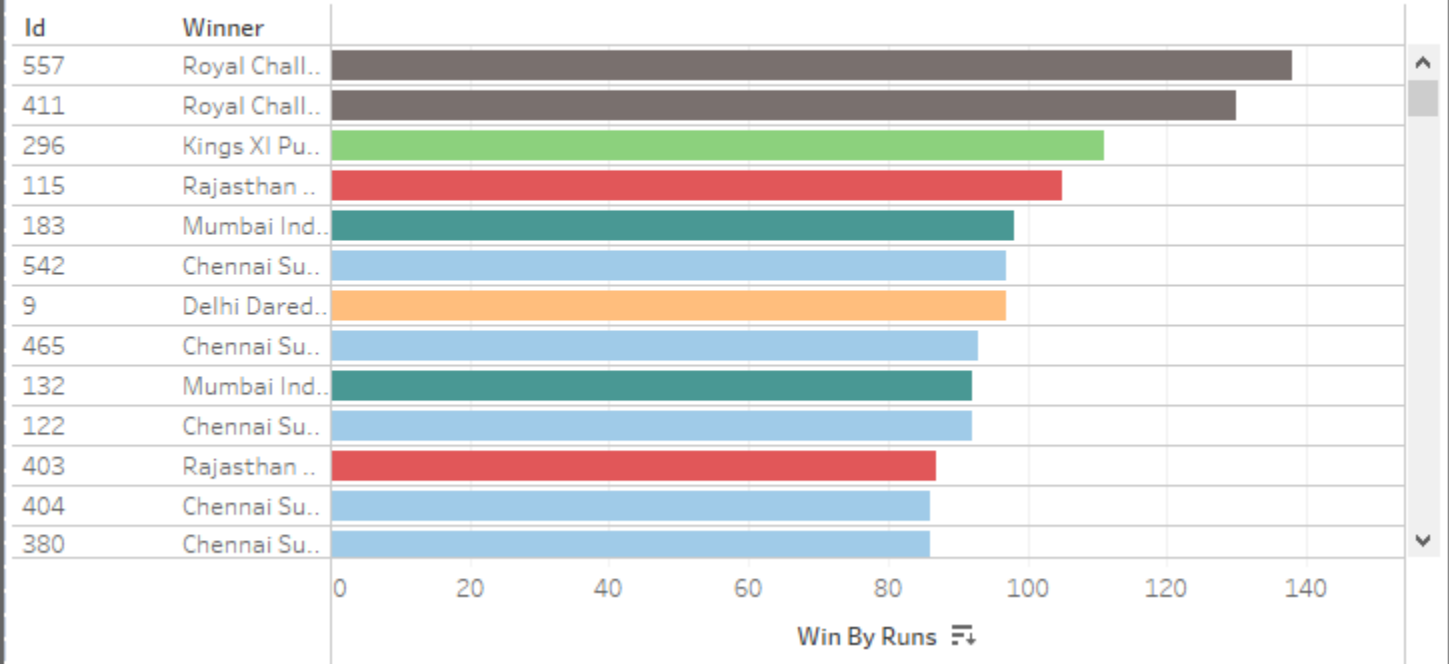
Here, we can infer the following :

- In recent years, Royal Challengers Bangalore have improved their performance
- In top 10 performance, RCB, KKR and MI have the biggest win by runs



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Win by Runs

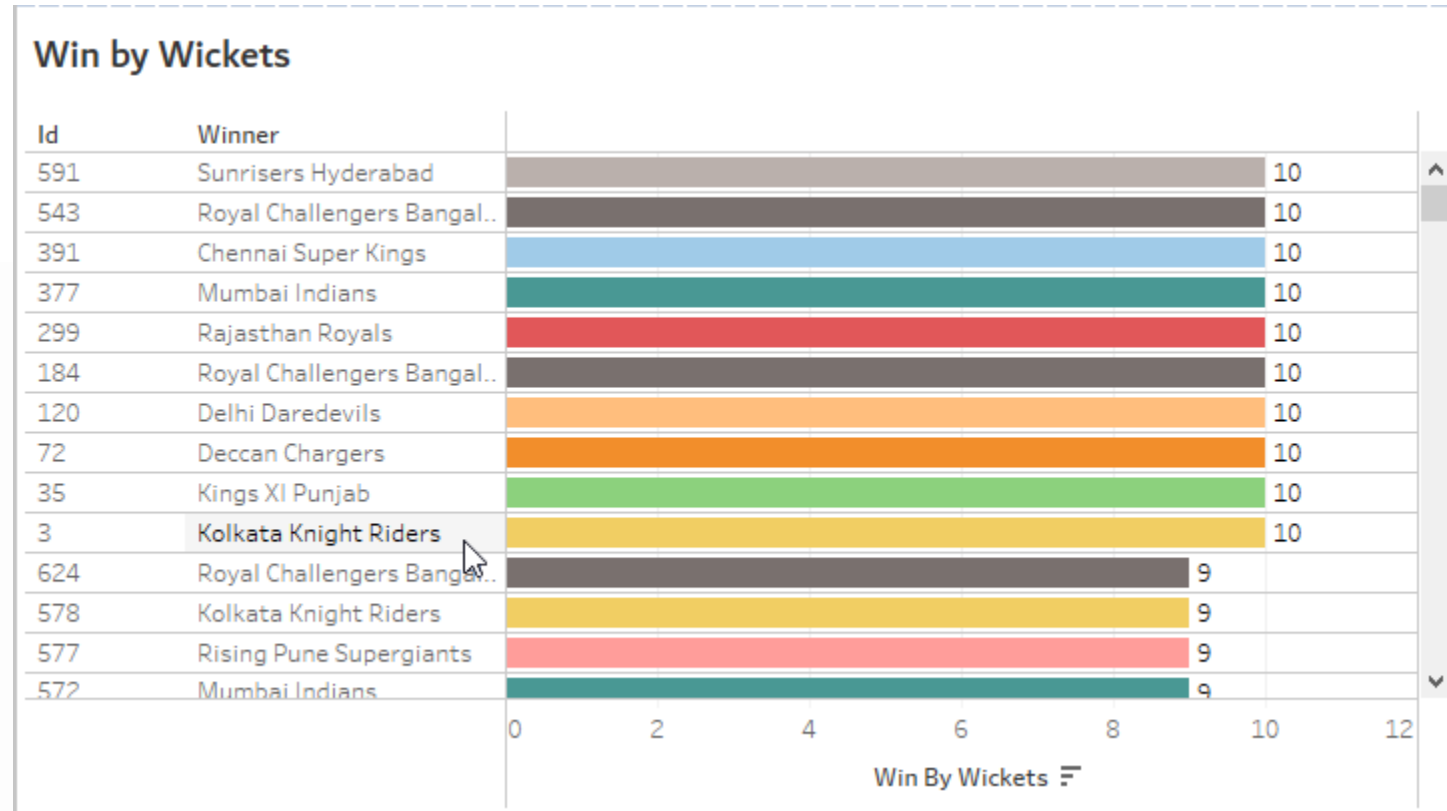


# Match Statistics

## Biggest Win by Wickets

Here, we can infer the following :

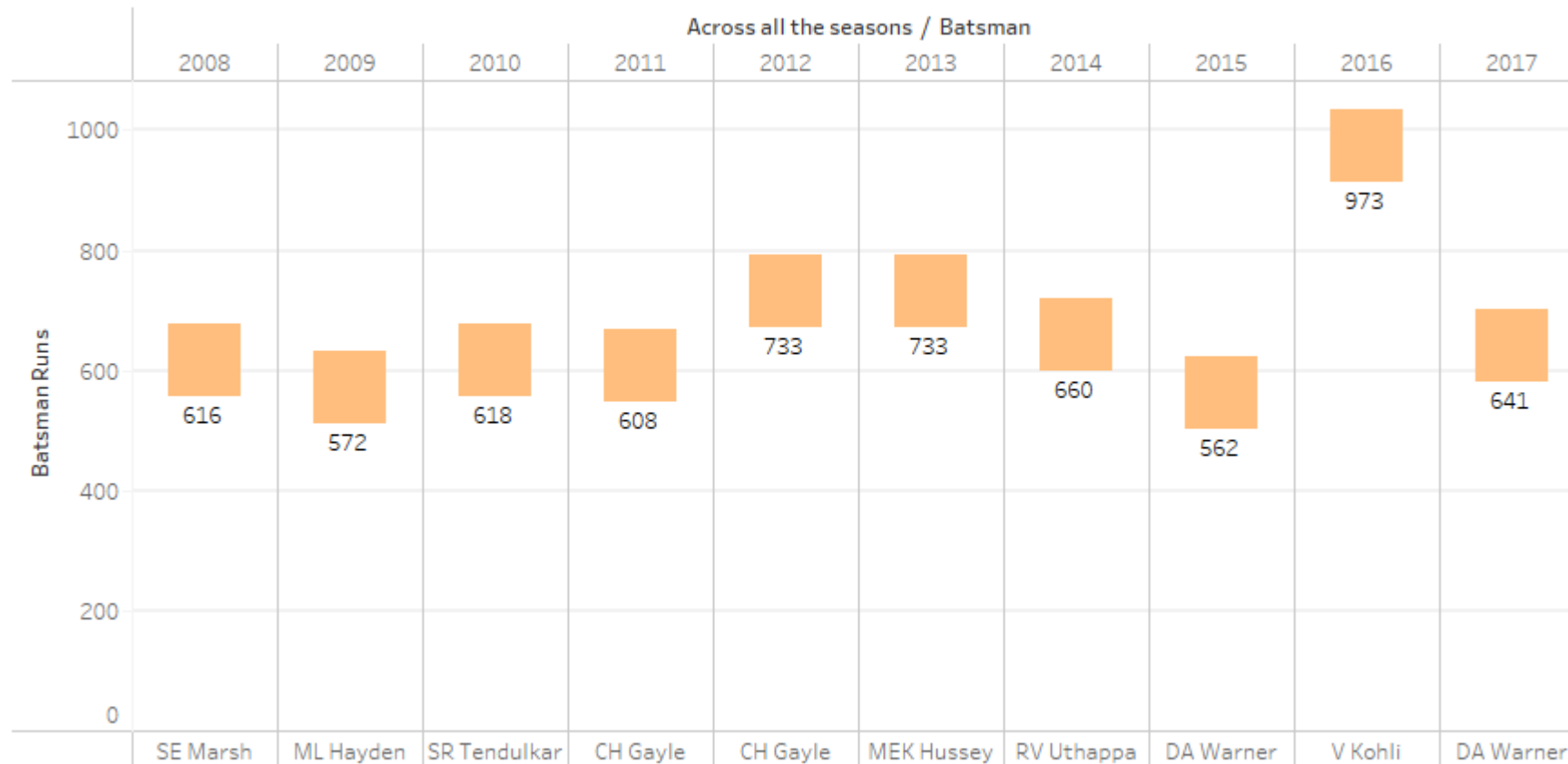
Most of the biggest wins is by wickets is of 7 and 8 wickets



# Player Statistics

Orange Cap contenders across all the seasons

Orange Cap Contender (Max Runs)





# Player Statistics

## Purple Cap contenders

Purple Cap Contenders (Max Wickets)



# Player Statistics

## Most Number of Sixes

Here, we can infer the following :

- Chris Gayle have hit 266 sixes in total across seasons and also the highest sixes in 2012

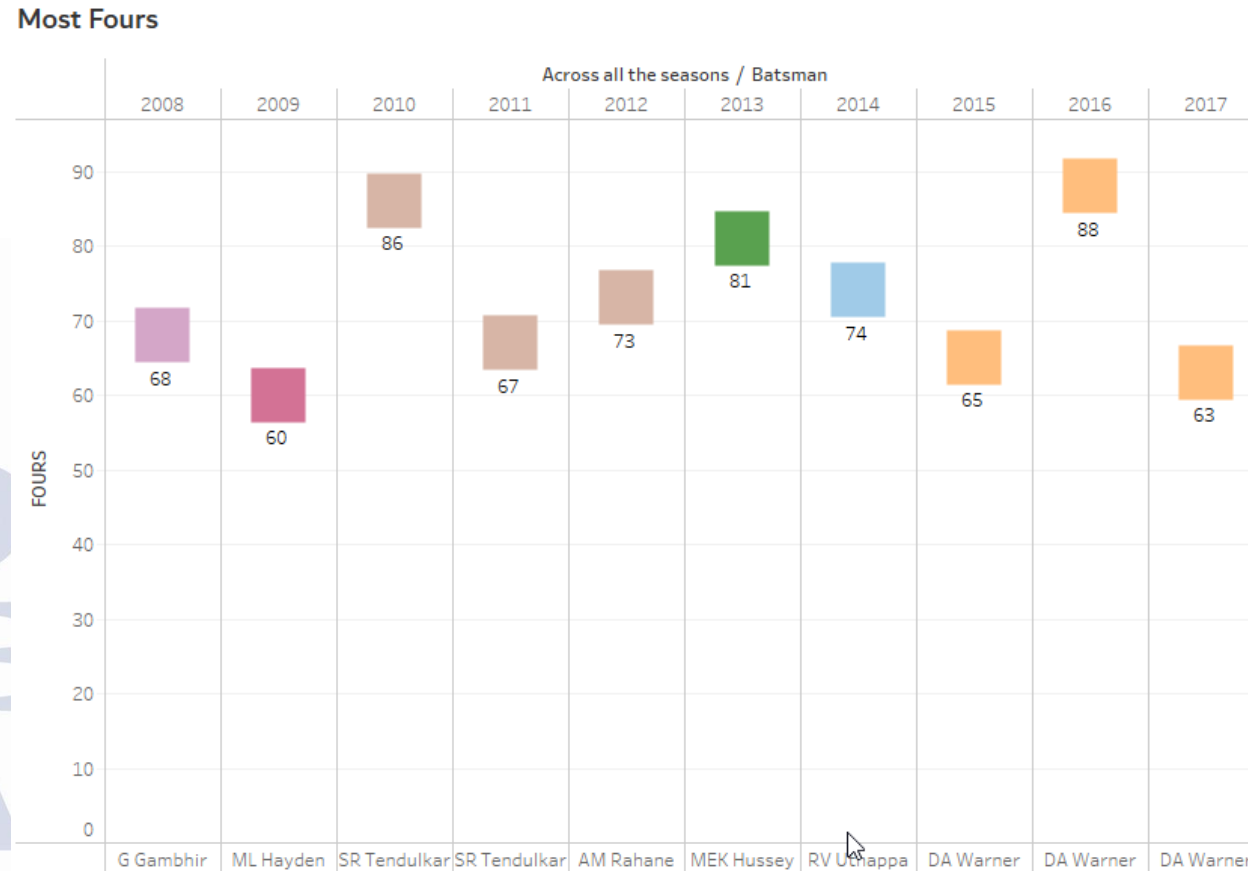


# Player Statistics

## Most Number of Fours

Here, we can infer the following :

- David Warner has continuously scored highest fours for 3 years



# Team Statistic

## Win %age

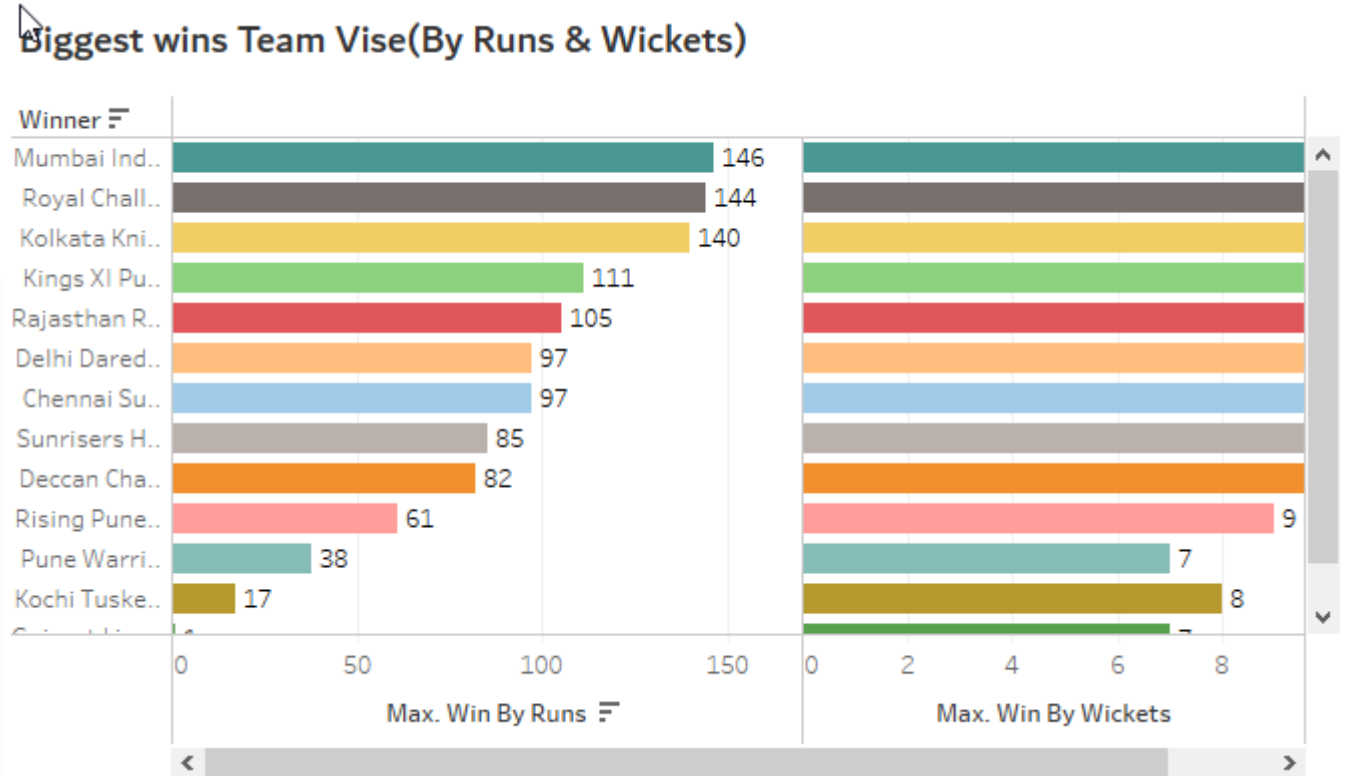


# Team Statistic

## Biggest wins Team Wise(By Runs & Wickets)

Here, we can infer the following :

- Mumbai Indians have won by biggest runs and wickets



## Season-wise team performance

The top 4 teams which have won the highest number of matches.

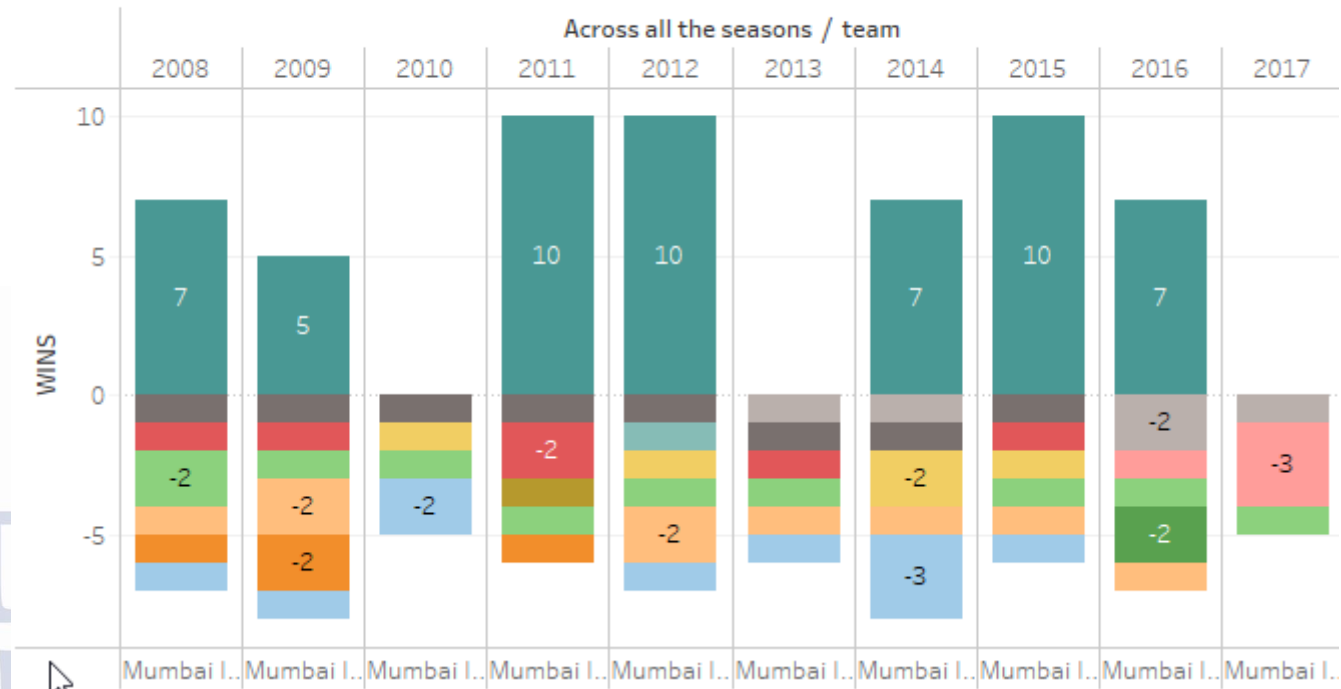
- Mumbai Indians
- Chennai Super Kings
- Kolkata Knight Riders
- Royal Challengers Bangalore



# Season-wise team performance

## MUMBAI INDIANS

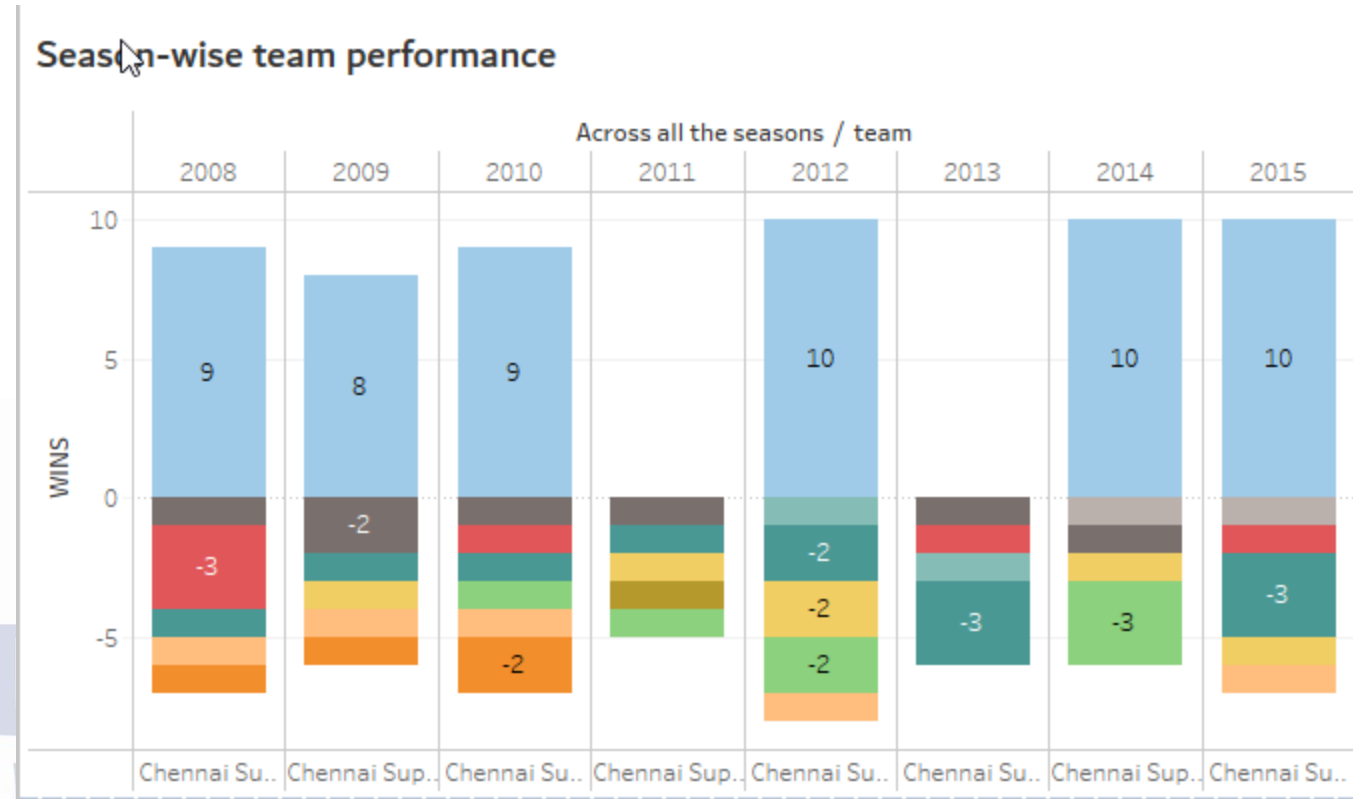
Season-wise team performance



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# Season-wise team performance

## Chennai Super Kings



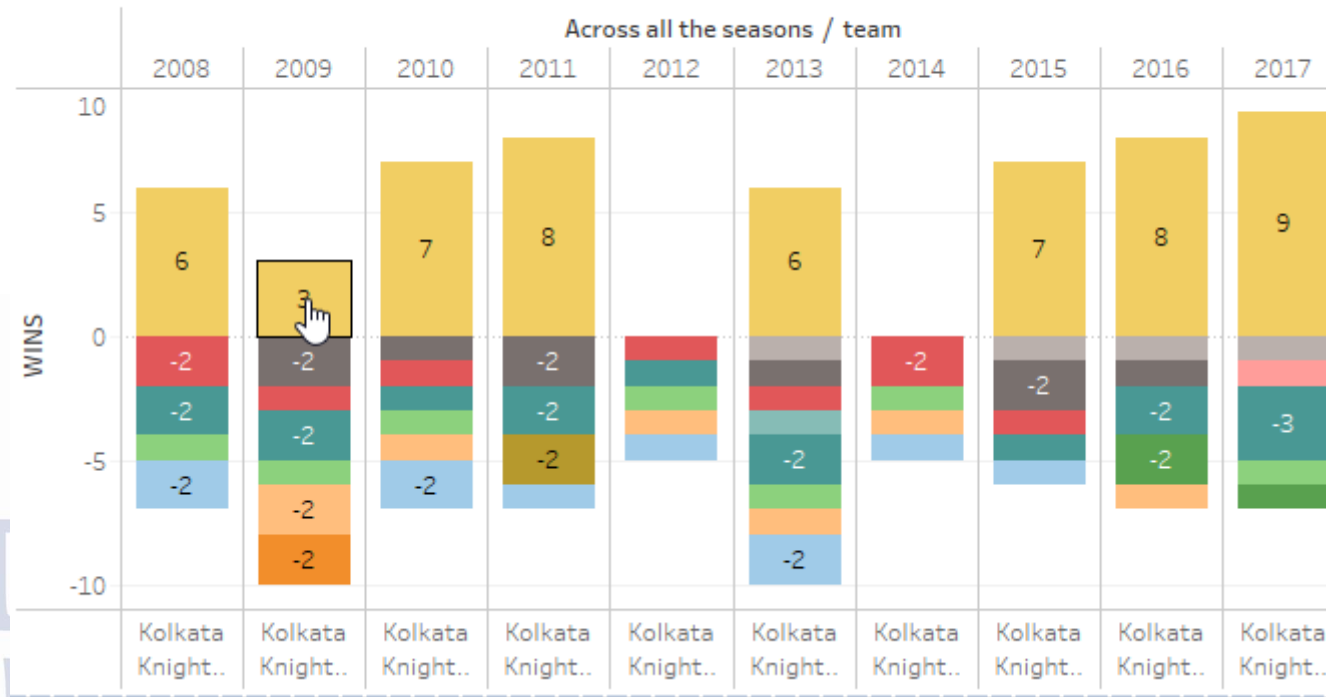
INDIAN  
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LEAGUE



# Season-wise team performance

## Kolkata Knight riders

Season-wise team performance



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PREMIER  
LEAGUE



# Season-wise team performance

## MUMBAI INDIANS

Season-wise team performance

