

# IPL Visualization Assignment

Submitted by: -

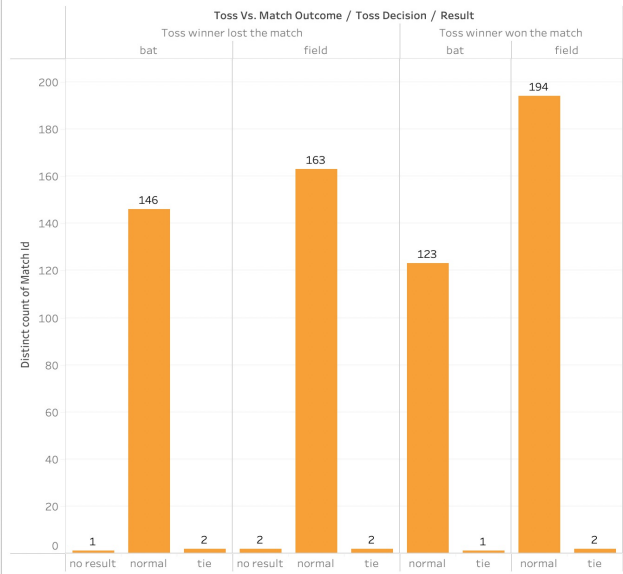
Harshraj Chavda

# Problem Statement

- A T20 cricket league known as the Indian Premier League, or IPL, was established in 2008 and is played annually. Eight teams from eight Indian cities compete against one another in a double round-robin format during the league rounds, which are followed by playoffs. It attracts both national and international players. The IPL has grown over time to be among the most watched and attended live sporting events worldwide.
- You are employed as a data analyst by IFP, a reputable news organization situated in New Delhi that distributes news reports and feeds to publications, newspapers, and TV broadcasters around the nation. To develop an infographic for a newsletter that their team is working on, the agency's sports editor has asked you to create a Tableau dashboard of IPL statistics over the league's history. They will use vital facts for this newsletter in some cases after experimenting with the various filters and customizations you have provided for interaction. In other circumstances, they will use the visual representations you have built in Tableau directly for their infographic. Consequently, you should expect to build an interactive dashboard.

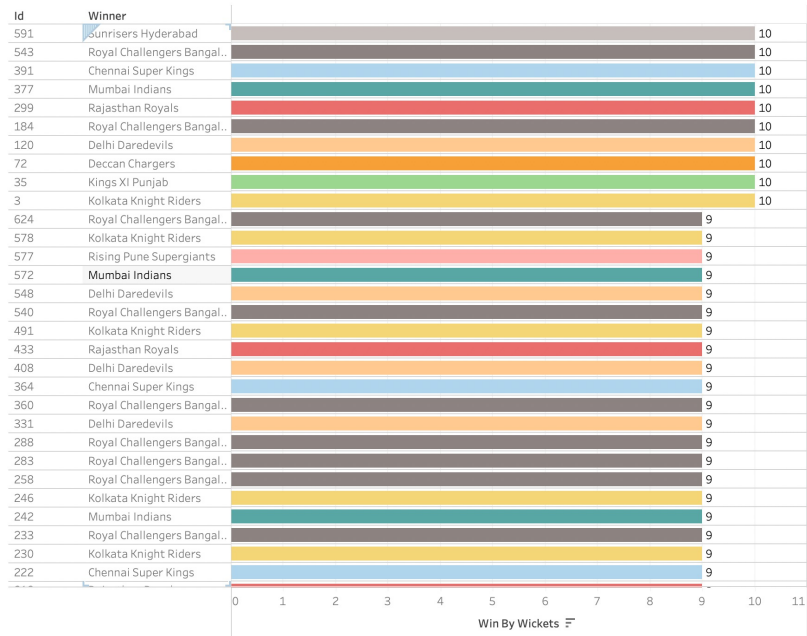
# Match Statistics

**Toss Outcome Vs. Match Outcome**  
(for each Venue)



- Team which chose to field after losing toss lost 17 more matches than those who chose to bat in all stadiums.
- Team which chose to field after winning toss won 71 more matches than those who chose to bat across all stadiums.

**Biggest Win by Wickets**

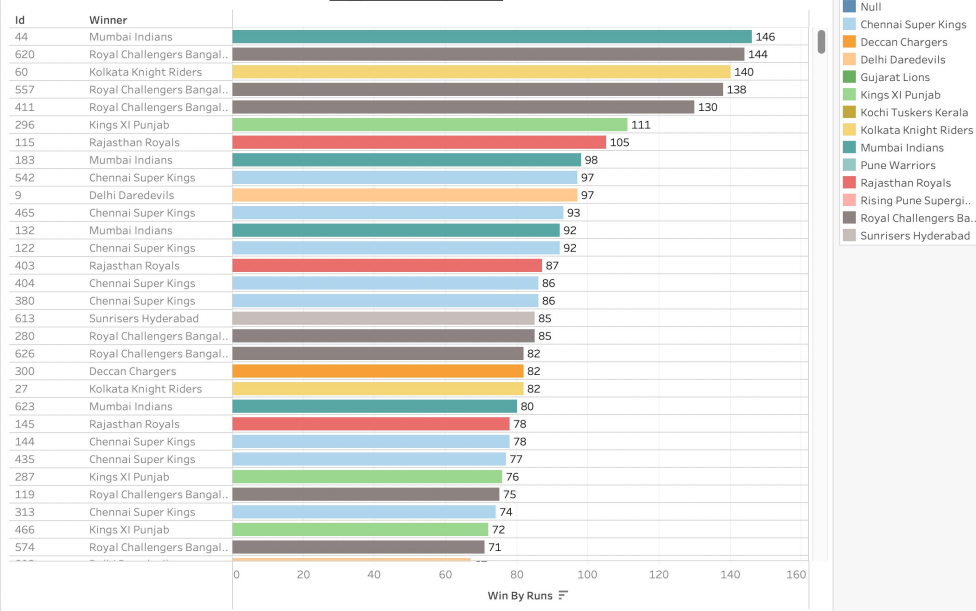


Winner

- Null
- Chennai Super Kings
- Deccan Chargers
- Delhi Daredevils
- Gujarat Lions
- Kings XI Punjab
- Kochi Tuskers Kerala
- Kolkata Knight Riders
- Mumbai Indians
- Pune Warriors
- Rajasthan Royals
- Rising Pune Superg...
- Royal Challengers Ba...
- Sunrisers Hyderabad

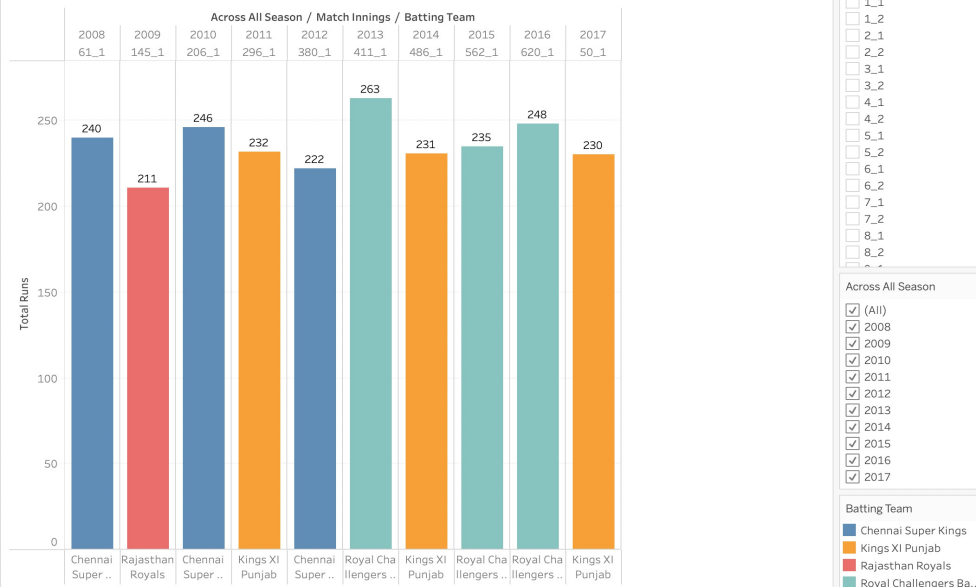
- Sunrisers Hyderabad and 9 more teams won by 10 wickets, i.e. biggest win by wickets.

### Biggest Win by Runs



- Mumbai Indian won by 146 runs, i.e. biggest win by runs.

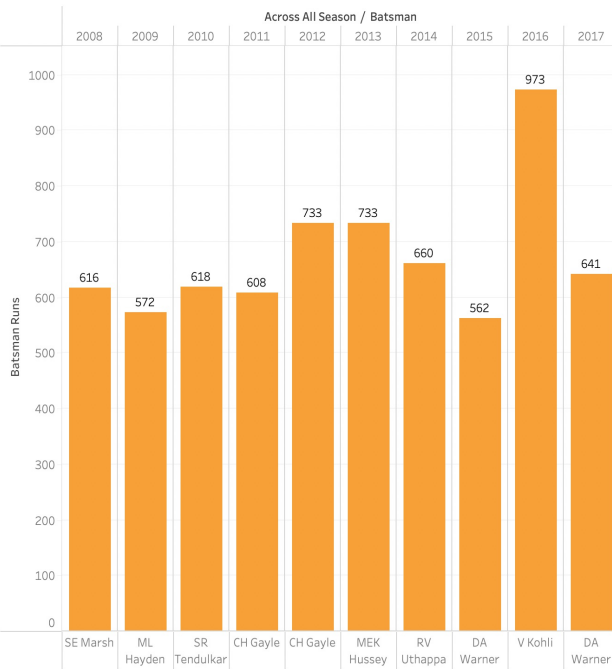
### Highest Total (across all Seasons)



- Royal Challenger's Bangalore had the highest total across all seasons.

# Player Statistics

## Orange Cap Contenders



- The graph on left shows the orange cap contenders for all seasons, V Kohli had the highest runs across all seasons.

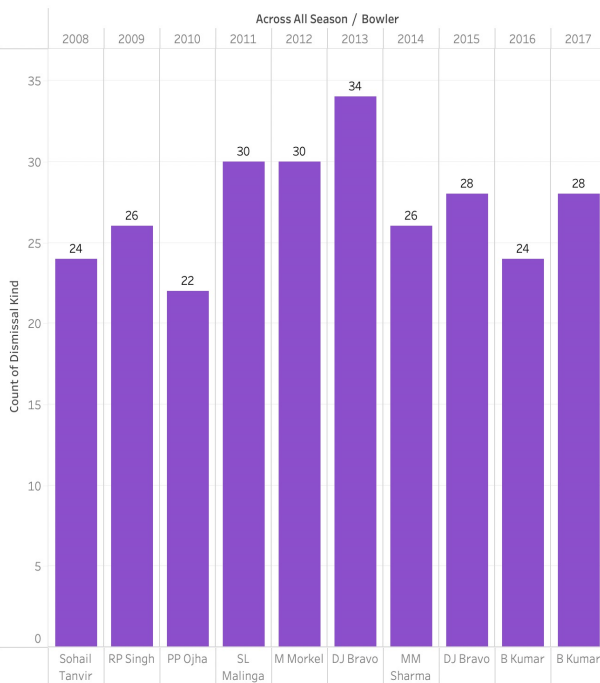
### Across All Season

- ☒ (All)
- ☒ 2008
- ☒ 2009
- ☒ 2010
- ☒ 2011
- ☒ 2012
- ☒ 2013
- ☒ 2014
- ☒ 2015
- ☒ 2016
- ☒ 2017

### Batsman

- ☐ (All)
- ☐ A Ashish Reddy
- ☐ A Chandila
- ☐ A Chopra
- ☐ A Choudhary
- ☐ A Flintoff
- ☐ A Kumble
- ☐ A Mishra
- ☐ A Mithun
- ☐ A Mukund
- ☐ A Nehra
- ☐ A Singh
- ☐ A Symonds
- ☐ A Uniyal
- ☐ A Zampa
- ☐ AA Bilakhia
- ☐ AA Chavan
- ☐ AA Jhunjhunwala
- ☐ AA Noffke
- ☐ AB Agarkar
- ☐ AB Barath
- ☐ AB de Villiers
- ☐ AB Dinda

## Purple Cap Contenders



- The graph on left shows the purple cap contenders for all seasons, DJ Bravo had the highest wickets across all seasons.

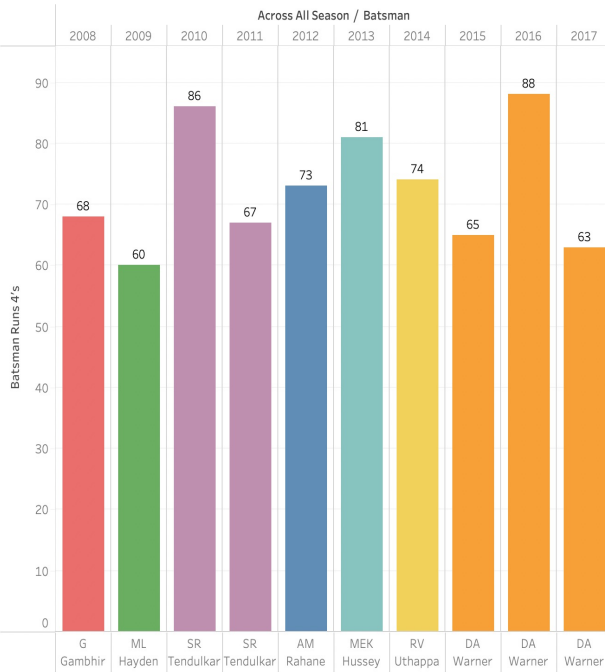
### Bowler

- ☐ (All)
- ☐ A Ashish Reddy
- ☐ A Chandila
- ☐ A Choudhary
- ☐ A Flintoff
- ☐ A Kumble
- ☐ A Mishra
- ☐ A Mithun
- ☐ A Nehra
- ☐ A Nel
- ☐ A Singh
- ☐ A Symonds
- ☐ A Uniyal
- ☐ A Zampa
- ☐ AA Chavan
- ☐ AA Jhunjhunwala
- ☐ AA Kazi
- ☐ AA Noffke
- ☐ AB Agarkar
- ☐ AB Dinda
- ☐ AB McDonald
- ☐ Abdur Razzak
- ☐ AC Gilchrist
- ☐ AC Thomas

### Across All Season

- ☒ (All)
- ☒ 2008
- ☒ 2009
- ☒ 2010
- ☒ 2011
- ☒ 2012
- ☒ 2013
- ☒ 2014
- ☒ 2015
- ☒ 2016
- ☒ 2017

## Most 4's (season wise)



- The graph on left shows the batsman who hit most 4's for all seasons, DA Warner had the highest number of 4's across all seasons.

Batsman

- ☒ (All)
- ☒ A Ashish Reddy
- ☒ A Chandila
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- ☒ A Choudhary
- ☒ A Flintoff
- ☒ A Kumble
- ☒ A Mishra
- ☒ A Mithun
- ☒ A Mukund
- ☒ A Nehra
- ☒ A Singh
- ☒ A Symonds
- ☒ A Uniyal

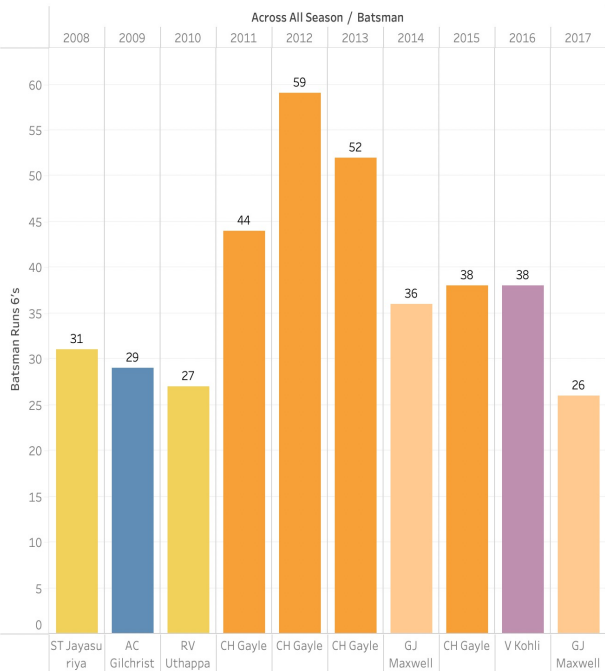
Across All Season

- ☒ (All)
- ☒ 2008
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- ☒ 2011
- ☒ 2012
- ☒ 2013
- ☒ 2014
- ☒ 2015
- ☒ 2016
- ☒ 2017

Batsman

- ☒ AM Rahane
- ☒ DA Warner
- ☒ G Gambhir
- ☒ MEK Hussey
- ☒ ML Hayden
- ☒ RV Uthappa
- ☒ SR Tendulkar

## Most 6's (season wise)



- The graph on left shows the batsman who hit most 6's for all seasons, Chris Gayle had the highest number of 6's across all seasons.

Batsman

- ☒ (All)
- ☒ A Ashish Reddy
- ☒ A Chandila
- ☒ A Chopra
- ☒ A Choudhary
- ☒ A Flintoff
- ☒ A Kumble
- ☒ A Mishra
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- ☒ A Singh
- ☒ A Symonds
- ☒ A Uniyal
- ☒ A Zampa

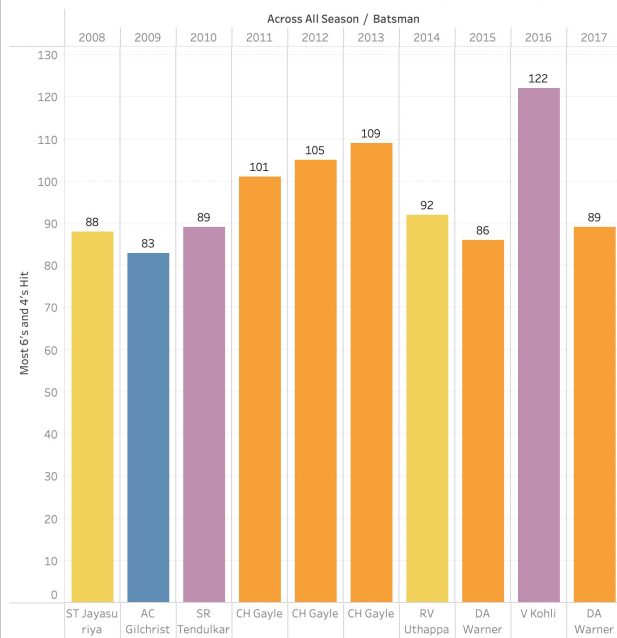
Across All Season

- ☒ (All)
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- ☒ 2015
- ☒ 2016
- ☒ 2017

Batsman

- ☒ AC Gilchrist
- ☒ CH Gayle
- ☒ GJ Maxwell
- ☒ RV Uthappa
- ☒ ST Jayasuriya
- ☒ V Kohli

## Most 6's and 4's (per season)



- The graph on left shows the batsman who hit most 4's and 6's for all seasons, V Kohli had the highest number of 4's and 6's across all seasons.

Batsman

☐ (All)  
☐ A Ashish Reddy  
☐ A Chandila  
☐ A Chopra  
☐ A Choudhary  
☐ A Flintoff  
☐ A Kumble  
☐ A Mishra  
☐ A Mithun  
☐ A Mukund  
☐ A Nehra  
☐ A Singh  
☐ A Symonds  
☐ A Uniyal

Across All Season

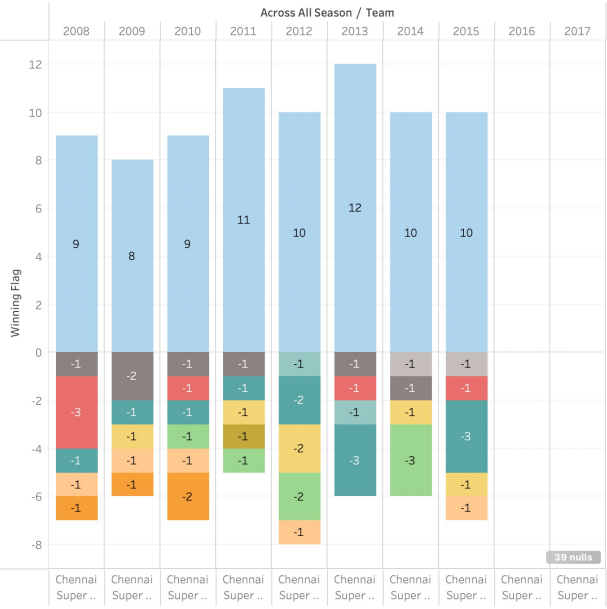
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Batsman

☒ AC Gilchrist  
☒ CH Gayle  
☒ DA Warner  
☒ RV Uthappa  
☒ SR Tendulkar  
☒ ST Jayasuriya  
☒ V Kohli

# Team Statistics

Season Wise Team Performance  
(Wins vs. Losses)



- The graph on left shows the number of times a team won and lost in a particular season.
- In 2008, Chennai SuperKings won 9 times but lost 7 times against different teams.
- Similarly, data for other teams are also available in workbook.

Across All Season

☒ (All)  
☒ 2008  
☒ 2009  
☒ 2010  
☒ 2011  
☒ 2012  
☒ 2013  
☒ 2014  
☒ 2015  
☒ 2016  
☒ 2017

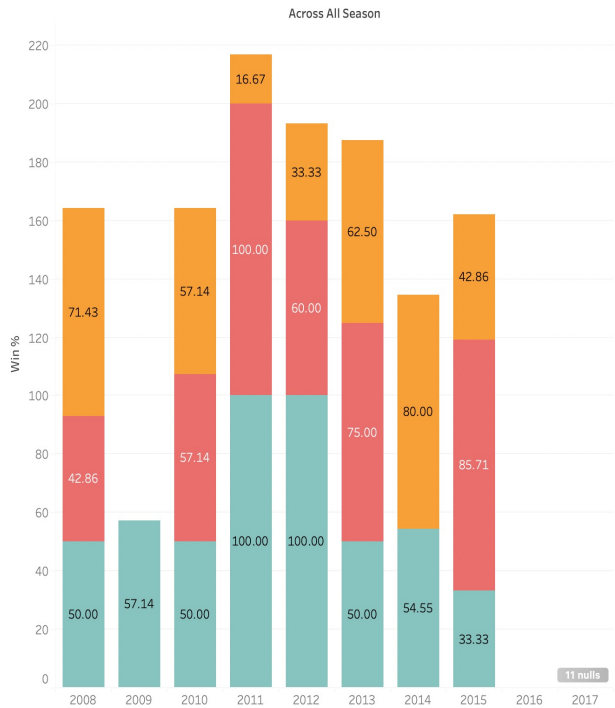
Winner

☒ Null  
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☒ Kolkata Knight Riders  
☒ Mumbai Indians  
☒ Pune Warriors  
☒ Rajasthan Royals  
☒ Rising Pune Supergig  
☒ Royal Challengers Bangalore  
☒ Sunrisers Hyderabad

Team

Chennai Super Kings

Win% (Home vs. Away)



- The graph on left shows the percentage of wins of a team when they were on Home base or away.
- In 2008, Chennai SuperKings won 71.43% of their matches away from Home base.

Home vs. Away

☒ Null  
☒ Away  
☒ Home  
☒ NA

Team

Chennai Super Kings