



# **IPL VISUALISATION ASSIGNMENT**

**SUBMITTED BY**

**BONANI PRAMANIK**

# Problem Statement:

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. For this newsletter, in some cases, they will use the visual representations as you have 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 customisations that you have provided for interactivity. Therefore, you are expected to build an interactive dashboard in Tableau for this purpose.

## **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.

# Analysis

## Match Statistics

Toss outcome vs Match outcome (for each Ground/Venue)

Biggest wins (by runs and by wicket)

Highest totals (across all the seasons)

## 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)

## Team Statistics

Season-wise team performance (wins vs losses)

Win %age ( home vs away)

# JOINING DATA

Tableau - IPL\_ - Tableau license expires in 13 days

File Data Server Window Help

Home Navigation: Home, Back, Forward, Refresh, Download, Reload

**Connections** Add

- deliveries Text file

**Files** Search

- ☐ Use Data Interpreter  
Data Interpreter might be able to clean your Text file workbook.
- deliveries.csv
- matches.csv
- New Union
- New Table Extension

**deliveries+**

Connection: ☒ Live ☐ Extract Filters: 0 | Add

**deliveries.csv**

Need more data?  
Drag tables here to relate them. [Learn more](#)

deliveries.csv 46 fields 150460 rows 100 rows

**Name**  
deliveries.csv

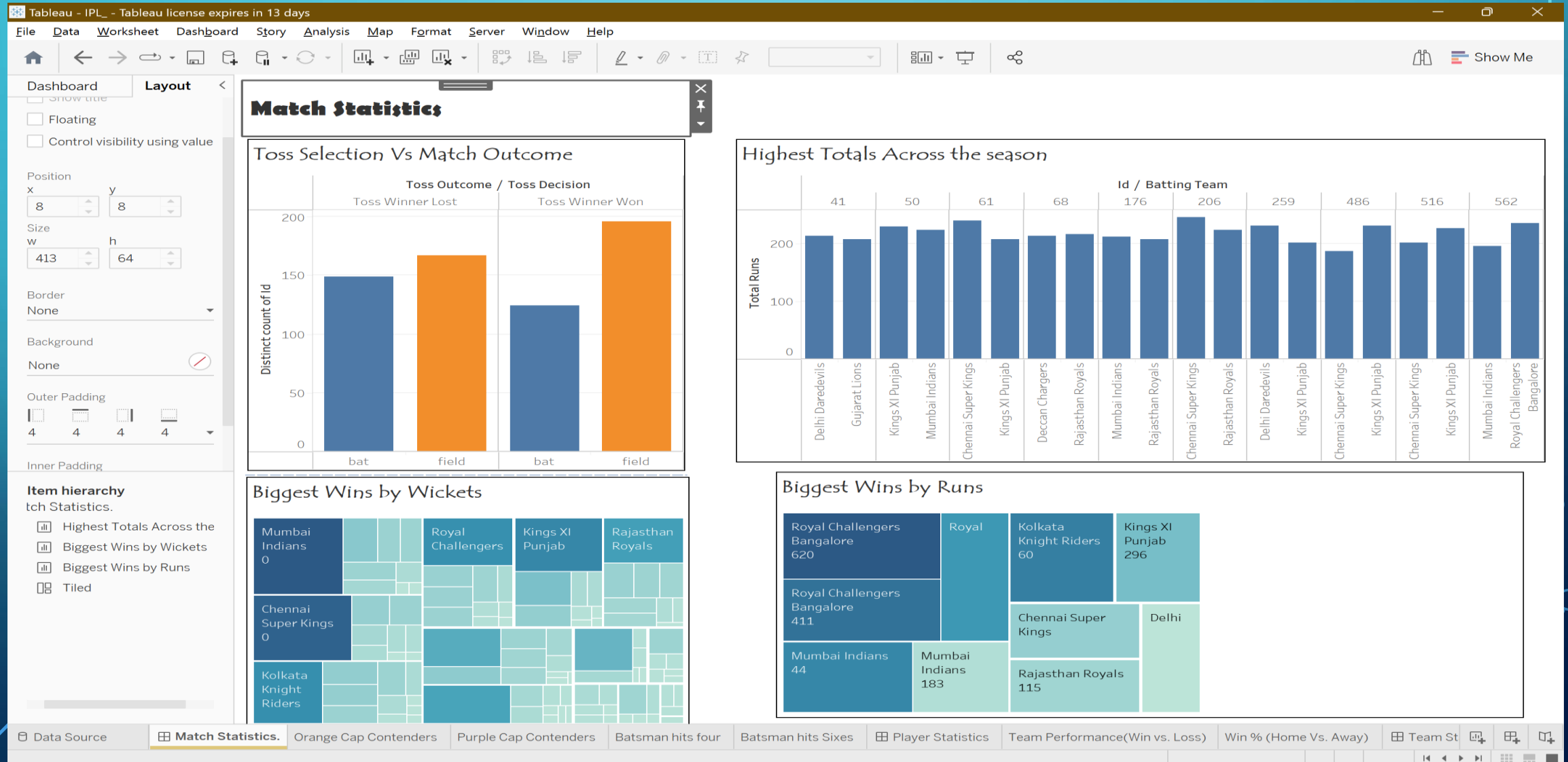
**Fields**

Type	Field Name	Physical Table	Remote Field ...
#	Match Id	deliveries.csv	match_id
#	Inning	deliveries.csv	inning
Abc	Batting Team	deliveries.csv	batting_team
Abc	Bowling Team	deliveries.csv	bowling_team

#	#	Abc	Abc	#	#	Abc
deliveries.csv	deliveries.csv	deliveries.csv	deliveries.csv	deliveries.csv	deliveries.csv	deliveries.csv
Match Id	Inning	Batting Team	Bowling Team	Over	Ball	Batsman
108	1	Deccan Chargers	Kings XI Punjab	19	6	LPC Si
77	1	Deccan Chargers	Kings XI Punjab	20	6	RG Shi
147	1	Deccan Chargers	Mumbai Indians	1	6	HH Gil
292	1	Deccan Chargers	Mumbai Indians	15	6	DT Chr
341	1	Deccan Chargers	Pune Warriors	2	6	PA Pat
348	1	Deccan Chargers	Pune Warriors	9	6	KC Sar
140	1	Deccan Chargers	Rajasthan Royals	4	6	HH Gil
80	1	Deccan Chargers	Rajasthan Royals	20	6	V Ven

**Data Source** | Toss Selection Vs Outcome of G... | Biggest Wins by Runs | Biggest Wins by Wickets | Highest Totals Across the season | Match Statistics | Orange Cap Contenders | Purple Cap Contenders | Batsman hits fou

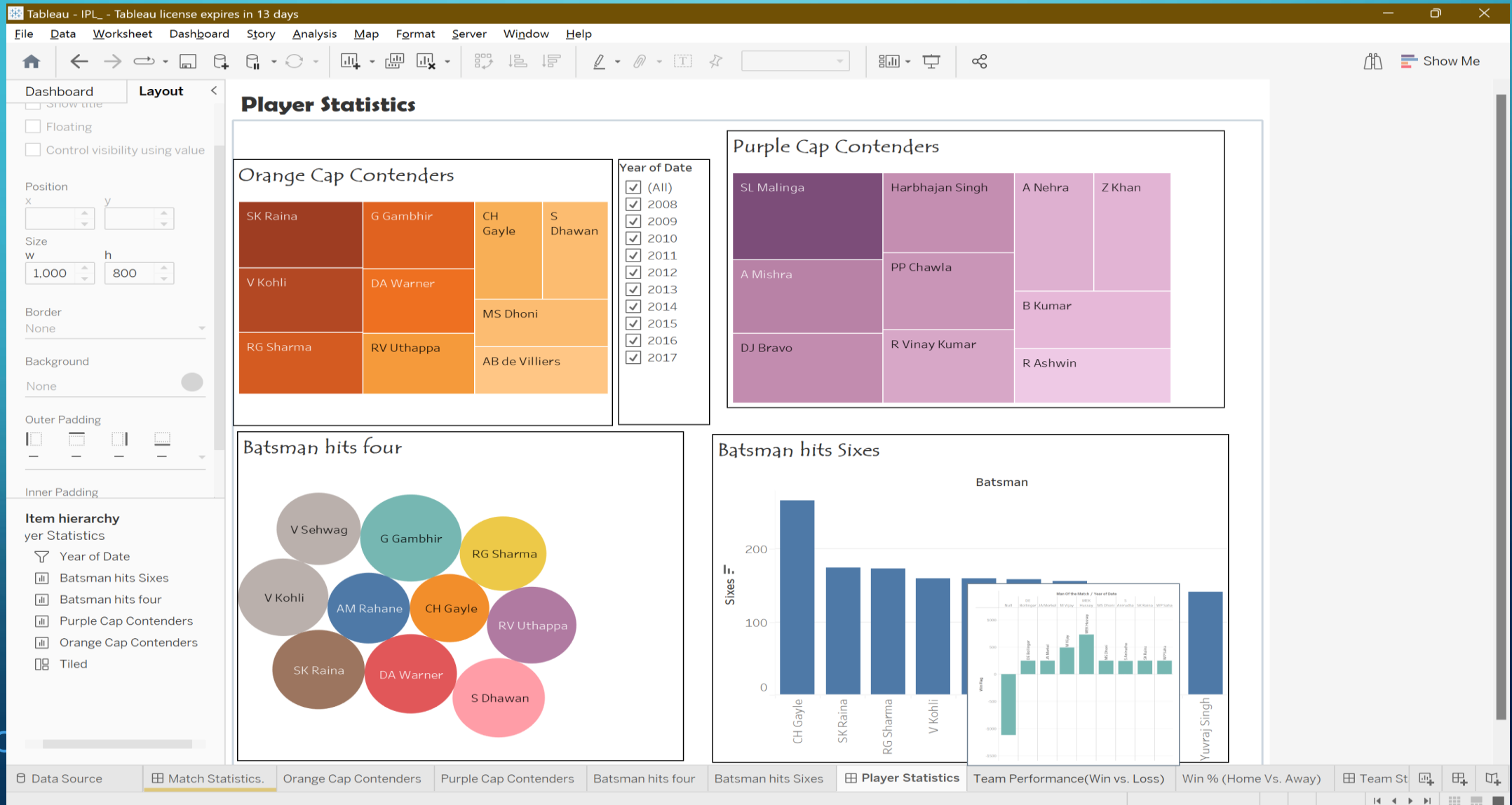
# Match Statistics



# Insights

- ❖ In The First Analysis Of Toss Selection Vs. Match Outcome, We Can Observe That Most Of The Toss Winners Won The Match.
- ❖ In The Second Point Of Our Analysis We Can Observe That Royal Challengers Bangalore Is The One Who Won By Biggest Runs & most of the matches won by Mumbai Indians in terms of Wickets.
- ❖ In our Third point of Analysis we can conclude overall highest total of Chennai Superkings across the season.

# PLAYER STATISTICS



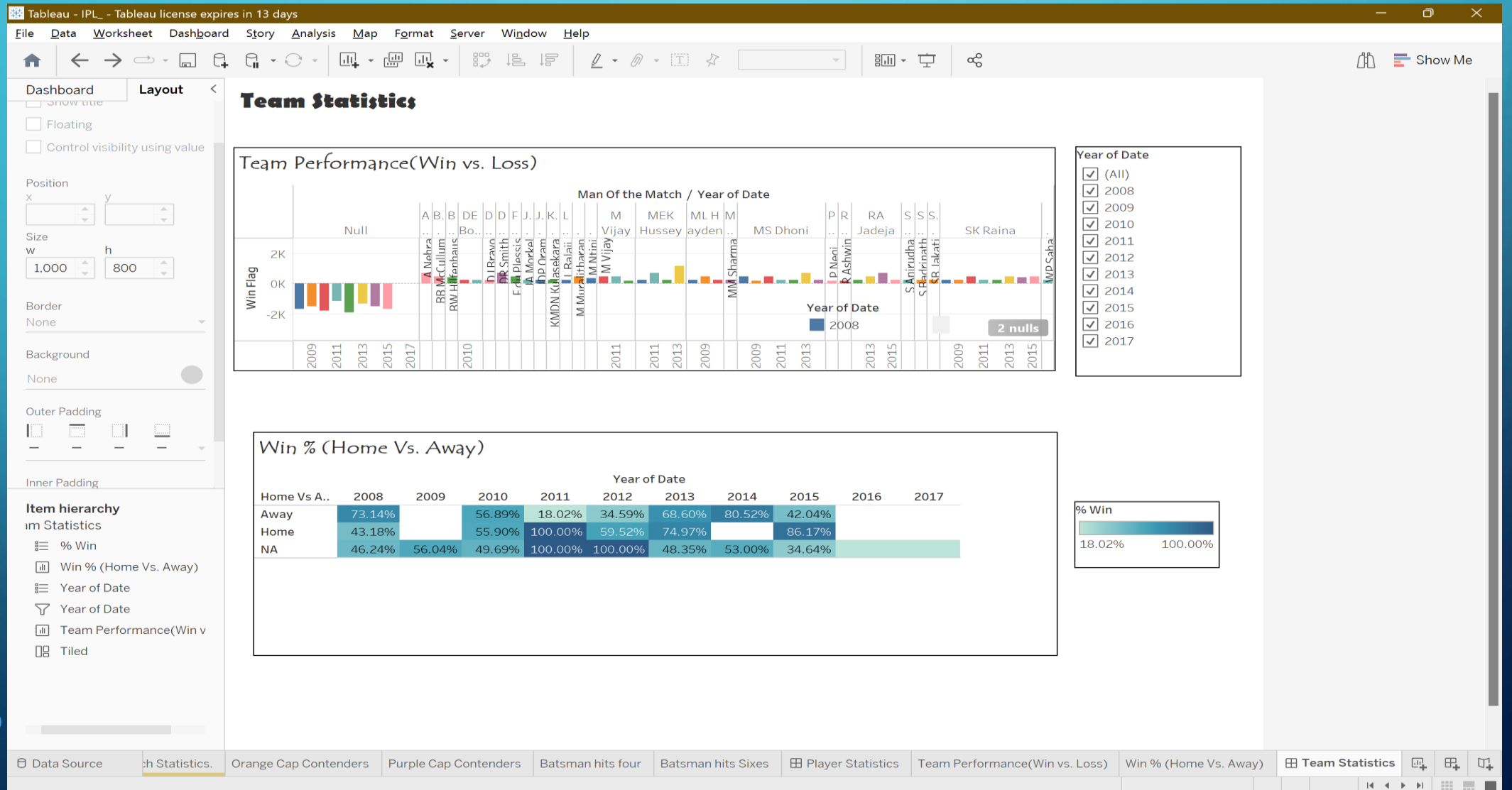


# INSIGHTS

- ❖ From Our Orange Cap Contenders We Can Observe Sk Raina Scores The Highest Runs In Overall Season.
- ❖ Similarly, We Can Observe from our Purple Cap Contenders, SL Malinga Took The Maximum Wickets In The Overall Season.
- ❖ From The Third Point Of Analysis We Can Observe That Most Of Four Hits Wer Given By G Gambhir & Most Of The Six Hits Were Given By Ch Gayle.



# TEAM STATISTICS



# INSIGHTS

- ❖ From The Team Performance, We Can Observe, MEK Hussey Became The Man Of The Match With Most The Wins.
- ❖ From Home Vs. Away , We Can Say That Most The Matches Were Won In Home Ground.

The background is a blue gradient with decorative white circuit-like lines in the corners. The lines consist of straight segments and small circles, resembling a stylized electronic circuit.

**THANK YOU**