IPL STATISTICS VISUALISATION

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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 with each other 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.
- You work as a data analyst at **IFP**, a nationally recognized news agency, which is based out of New Delhi, and provides news reports and feeds to magazines, newspapers and TV broadcasters all over the country. 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 customizations that you have provided for interactivity. **Therefore, you are expected to build an interactive dashboard in Tableau for this purpose.**

PROCESS TO SOLVE THE PROBLEM

- Understand the problem and the data set.
- Divide the problem into different sections.
- Design the dashboards for the respective sections.
- Present the result in the required format.
  - Each section with its tableau visualisation (*dashboard*)

ABOUT THE DATASET

There are two datasets given :

- **deliveries.csv** - Each row in this dataset contains match-level information :
  - Match related information (Batting team vs Bowling team)
  - Player information (Bowler, Batsman, Non-Striker)
  - Delivery information (Runs scored, Wickets, Extras etc)

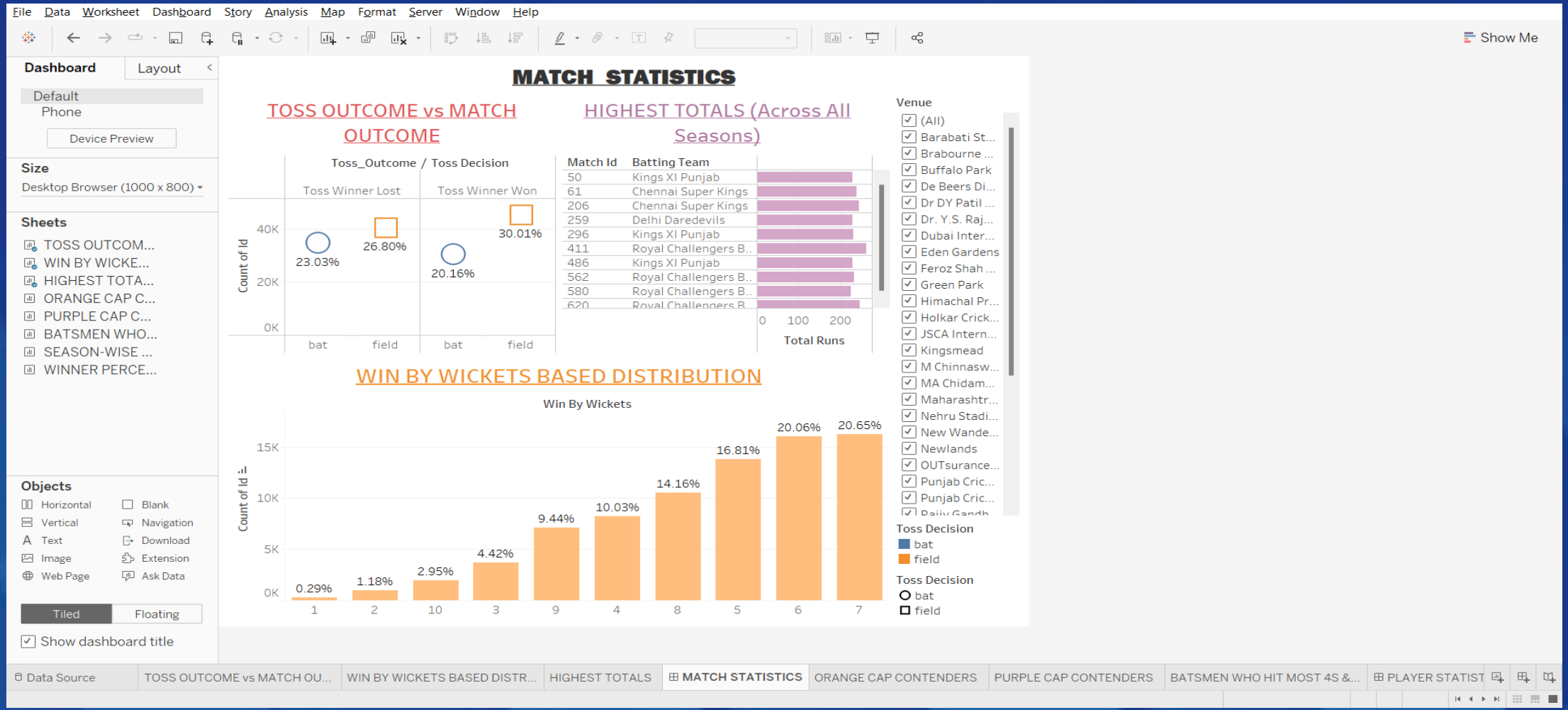
- **matches.csv** - Each row in this dataset contains ball-by-ball information :
  - Teams involved
  - Results (Which Team won, Win type, Player of the match)
  - Match specifics (Umpires, Ground etc)

DIVIDING PROBLEM INTO DIFFERENT SECTIONS

Match Statistics	• Toss outcome VS Match outcome (for each Ground / Venue) • Biggest Wins (by runs & by wickets) • Highest Totals (Across all seasons)
Player Statistics	• Orange cap contenders (Batsmen who scored maximum number of runs in a particular season) • Purple cap contenders (Bowlers who have taken maximum number of wickets in a particular season) • Batsmen who have hit most number of fours & sixes
Team Statistics	• Season-wise Team Performance • Win Percentage (Home vs Away)

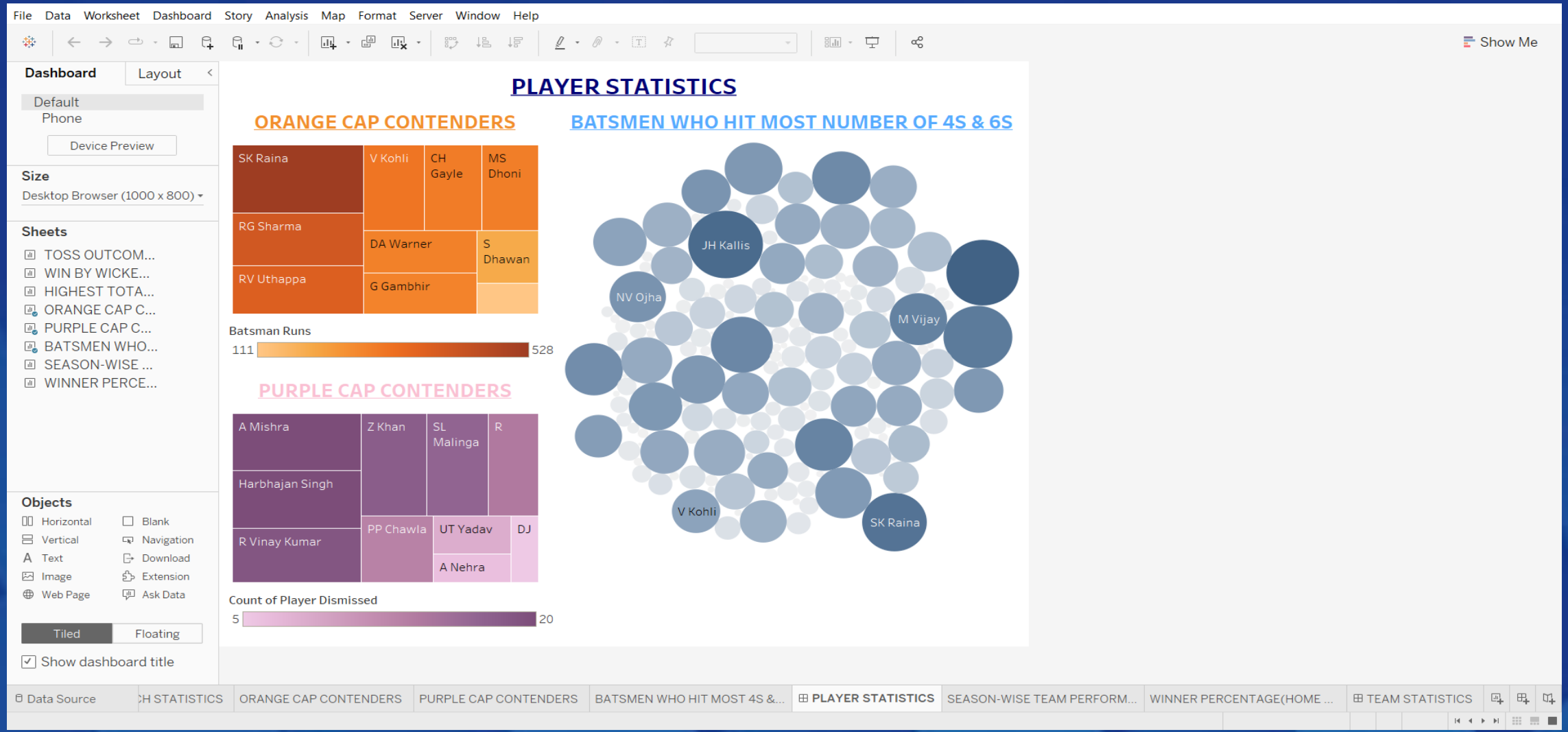
MATCH STATISTICS

MATCH STATISTICS



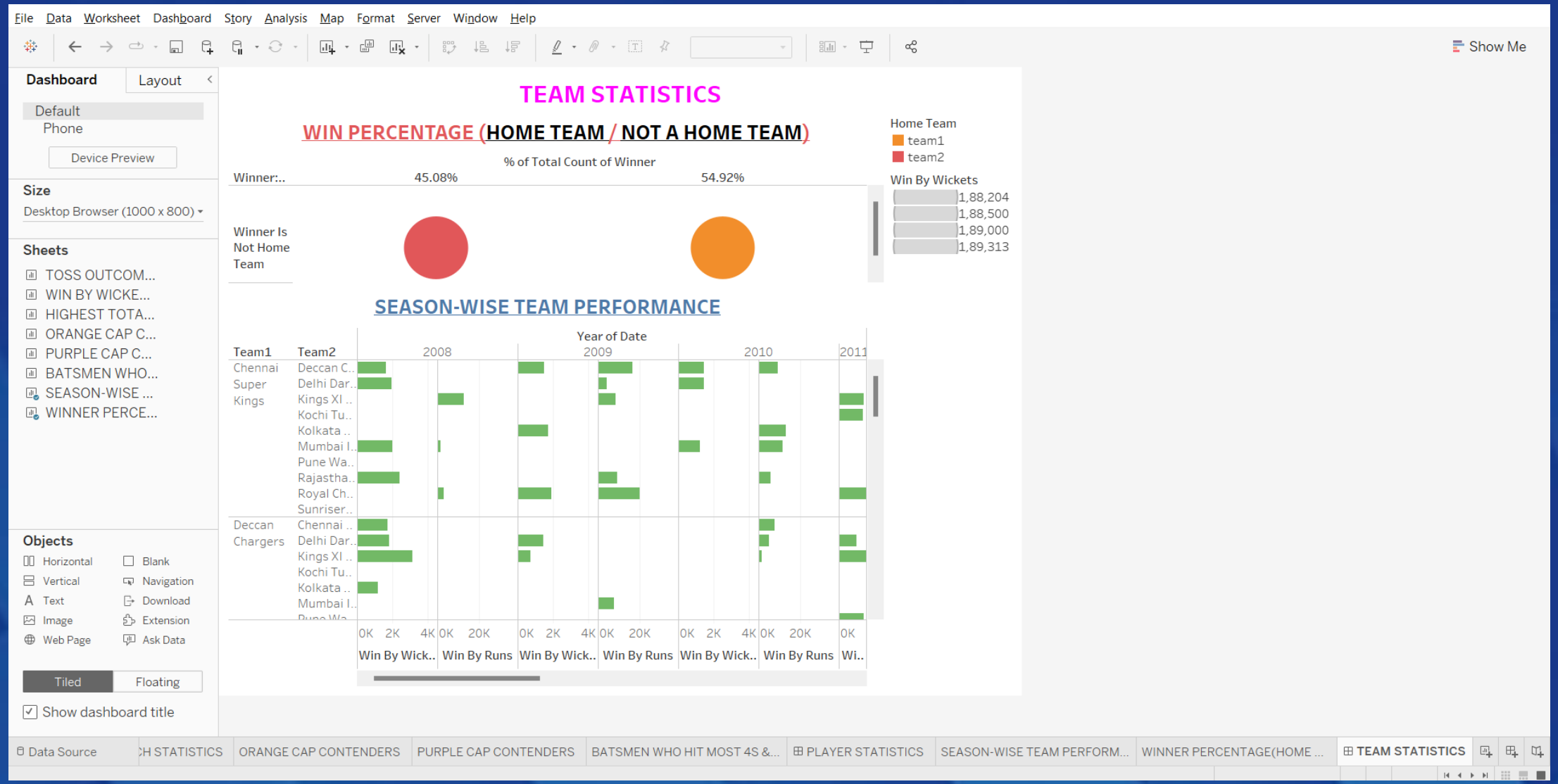
PLAYER STATISTICS

PLAYER STATISTICS



TEAM STATISTICS

TEAM STATISTICS



CALCULATED FIELDS USED

Match Innings :-

STR([Match Id])+"_"+STR([Inning])

Toss Outcome :-

IF[Toss Winner]=[Winner] THEN "Toss Winner Won" ELSE "Toss Winner Lost" END

Winner : Home Team/ Away :-

IF([Home Team])=([Winner]) THEN "Winner Is Home Team" ELSE "Winner Is Not a Home Team" END

THANK YOU