**IPL Sports Analysis**

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**Problem Definition**:- Exploratory Data Analysis and Statistical Analysis with IPL matches and deliveries dataset from the seasons 2008 to 2019.

**Problem Explanation**:- This project aims to collect the various data related to **Indian Premier League** regardless of any particular season. Our basic focus is to bring **unseen facts** through visualizing and statistically analysing the various data figures.

**Result Analysis Performed(Both)**:-

* Importing Libraries
* Reading the Dataset
* Displaying few entries from Matches and Deliveries Dataset
* Data Cleaning
* Understanding the Dataset(Total rows, columns, null, unique and possible values)

**Result Analysis Performed(Koradia Nishant)**:-

* + **Graph 5**:- The pie chart will show the decision of fielding or batting if a team wins the toss.
  + **Graph 6**:- The Bar Plot shows the top 10 players with highest Man of the Match Awards.
  + **Graph 7**:- Top 5 players with the highest singles, doubles, fours and sixes were plotted in sub plot.
* **Graph 8**:- The plotting of Line Chart shows the runs scored ball by ball in first match.
* **Analysis 1**:- Details of the match in which the team won by the maximum wickets.
* **Analysis 3**:- Matches where D/L method was applied and percentage also for the same.
* **Analysis 6**:- Average of win by runs of each team in all matches.
* **Analysis 7**:- Shows the data of Top 10 run-scorers in IPL till 2019.
* **Analysis 9**:- Total number of matches played by CSK till 2019.

**Result Analysis Performed(Vidhi Shah):-**

* **Graph 1**:- Total counts of particular variable in count plot consisting 3 graphs which shows total matches played per season and also by each team.
* **Graph 2**:- The Bar Plot to visualise the total no. of matches won by each team.
* **Graph 3**:- Histogram that shows total singles, doubles, triples, fours and sixes scored by SRH in match 1.
* **Graph 4**:- The Bar Plot that shows the team that won the toss most number of times in descending order.
* **Analysis 2**:- Details of the match in which the team won by the maximum runs.
* **Analysis 4**:- Shows Number of times team winning toss also winning the match and percentage also for the same.
* **Analysis 5**:- Stadiums which have hosted D/L method applied matches.
* **Analysis 8**:- Orange cap winner each year with their total runs.
* **Analysis 10**:- Total number of Runs scored in IPL till 2019.