Exploratory Data Analysis - IPL

'Exploratory Data Analysis' on dataset 'Indian Premier League'. To find out the most successful teams, players and factors contributing win or loss of a team. Suggest teams or players a company should endorse for its products?

#### **Importing all the required libraries**

#### **Reading the data**

#### **Visualizing the data**

#### **Cleaning the data**

#### **Removing duplicate values**

#### **Statistical information of the data**

##### ***Total number of innings of the matches played***

##### ***How many IPL seasons are we using to analyse ?***

##### ***Total number of matches played according to the dataset***

#### **Which IPL team won by maximum runs?**

#### **Which IPL team won by minimum runs ?**

#### **Which IPL team won by consuming maximum wickets?**

#### **Which IPL team won by consuming minimum wickets?**

**Questions based on Visualization :**

#### **Which season consisted of the highest number of matches ever played ?**

#### **Which is the most successful IPL team with all the data at hand?**

#### **Top players of winning matches**

#### **Matches according to venue**

#### **The number of matches played by each team**

#### **The winners in each Season**

#### **IPL Finals venues and winners along with the number of wins.**

#### **The number of seasons won by each team**

#### **The toss winner, toss decision, winner in final matches.**

#### **The man of the match for each winning team**

#### **Decision in every toss either fielding or batting**

#### **What is the probability of winning a match if the toss was won?**

#### **The total runs by fours hit and the total number of fours hit by each team**

#### **The fours hit by players**

#### **The number of fours hit in each season**

#### **The total runs by the sixes hit and the number of sixes hit by each team**

#### **The number of sixes hit in each season**

#### **The top 10 leading run scorers in IPL**

(End with conclusion)