**IPL Assignment**

The data provided was an IPL cricket matches played by each team in each year along with the data about Umpires of that matches and players of the matches. It also includes the team who won the toss and the decision they made by the team, which two team played and who won, also the player of that match. These where the data given in **IPL Matches** file.

There is another file which gives the data of each matches played from 2008-2020 ball by ball. This gives us the run scored in each match innings, overs and balls, it also gives us the data of the batsman, non-striker and the bowler. The runs scored by the batsman in each ball and how the wicket is taken by the team is also provided through the **IPL Ball-by-Ball** file.

**Works done:**

**On the dash board:-**

I have made a dash board which give a **chart wise description** on the data I was working on and these charts are made using **pivot table**. The chart is used as a means of presenting the data in a clear manner. We keep questioning to understand the data in a proper way like: In which teams played against each other and the team won, who has won the maximum player of the match, Who has the maximum winning percentage, who was the first umpire for maximum number of time and who was the second umpire for maximum number of time and so on. I have used **Year**, **city**, **Venue**, **team1** and **team2** as **slicers** in IPL Matches data. **Innings**, **overs**, **balls**, **batsman** **runs** as **slicers** in **IPL Ball-by-Ball data**. These slicers act as filters and displays the chart for the selected data alone making the data easy to understand and make a conclusion about the progress of the team each year the field need to work on.

**On the other sheets:-**

I have formed certain questions and worked on it using **pivot table** and understood the purpose of the data and way by which I need to work on, I got the desired answers based on the questions I made, I have highlighted the questions and answers obtained by the tables. These questions can be basic way to analysis and come a conclusion stating the client to have a successful way to form a team that leads to success.

**Business Conclusion**:

Each team has their own strategy and decisions but across the analysis of the data provided most of the team winning the toss wins the match. The toss winning team's decision is mostly to field, which gives the advantage to have a target to score and if the fielding is well planned and trained to take wickets which reduces the run to score. This gives an upper hand in the game. The venue at which the team meets to play the match gives a tactical advantage that is the field of home ground where the players get trained for the IPL, each team has their own home ground where they have an upper hand in the game. To say in shot according to the data each team has a specific field where they have their highest victory compared to other venue.

These data are used in proper way to know the other team strategy and also come up with our won strategy, which helps in the development and success. Knowing this we can train our team players in such a way that they can have an upper hand in any strategy of the opposing team. These data are also use to know the individual players weakness and play accordingly by they get lost his wicket.

**Summary of the data:**

These data are highly important for cricket team trainers to know the outcome of the match based on the performance of the players in that team and the counter strategy to have in hand based on the opposite team strategy. The data gives the winner of each years and the team player highest matches each year. Giving the important information of the progress of all team and exposing the weakness of each player which gives an aspect to work on improving the field at which that player lacks or in other way the strength of an individual player knowing the field in which he is strong making him focus his efforts and hard work to make his field of strength more strong. This is the summary of the IPL Match data which gives the data about all the individual team in each year from 2008-2020 and the IPL Ball-by-Ball data which give point of view on each player on each innings and overs from 2008-2020 on batsman, non-striker an bowler and fielders including the first and second umpire of the batch played between two team.