**IPL Analysis 2008 – 2020 Report**

**Prepared by: Akhtar Shabbir Attar**

**[akhtar.attar007@gmail.com]**

**Executive summary**

The report summarizes the information of IPL matches. The report includes all the seasons of IPL 2008 – 2020 as data provided. As per the data we had find some good stats for the IPL matches which might be helpful for future prediction of matches and players performances.

**Objective and Scope**

The objective of this project is to provide best insights of the IPL matches form the data given. In this project we have to create the stats and graphs using the data. We also need to create the dynamic dashboard in Tableau Desktop software to get information in one page snippet. The scope of the dashboard is to analyze the information getting from dashboard and use them in forthcoming IPL auctions and for the teams to get some great stats about players.

**Project Production**

* In the given project of creating dashboard of IPL data set was given from year ranging 2008 to 2020. As a data source we had given two csv file 1) Data by matches and 2) Data by ball by ball.
* For data wrangling and data manipulation we had used the excel software.
* As the data was clean there was not much need of any changes only some names of same teams are double in ‘winner’ column that we have fixed in next part while doing analysis.
* We joined two csv file on same column name “id” which was present in both csv.
* We created a universal filter on “year” column to be used in dashboard to filter the data season wise.
* We have inserted KPI’s like (Title winner, Orange cap, Purple cap, Tournament 6’s, Tournament 4’s) etc.
* We designed the graphs of ‘Top 5 batsman’ and ‘Top 5 bowlers to visualize season’s best batsman and bowlers.
* While making ‘Matches won based on toss decision’ we made two groups in winner column as the name of the teams are two for single team so we grouped that multi-name teams into one i.e.(Delhi Daredevils and Delhi Capitals into one Delhi Capitals, Pune Warriors, Rising Pune Supergiant and Rising Pune Supergiants into one Pune Warriors).
* We also created ‘Toss Decision based winning percentage’ to get the winning percentage based on toss decision ‘to bat first’ and ‘to field first’.
* Finally, by adding all graphs, filter and KPI’s we created a dynamic IPL Analysis dashboard.

**Conclusion**

After completion of the analysis of data and creating dashboard,

We came to the conclusion that creating dashboard will help us to

Get the history stats of IPL seasons, players and teams. Some of the conclusions while looking at the dashboards are as follows:

* Mumbai Indians has won most of the IPL seasons.
* Highest run scorer batsman in all IPL season is V Kolhi i.e. 5878 runs.
* Highest wicket taker bowler in all IPL season is SL Malinga i.e. 170 wickets
* Total count of 6’s hit till 2020 IPL seasons are 8,902.
* Total count of 4’s hit till 2020 IPL seasons are 21,908.