KARTHIK BALASUBRAMANIAN - MVP

Demonstration:

The demonstration is included in the .ipynb file attached in the submission.

Work Done:

The work done so far consists of these things:

1. I have built a league table for any given season, where if you choose the league and the season, you will get a detailed looking league table for the season. This table will consist of - the number of wins, draws and losses, the total xG, xGA, npxG, npxGA accumulated over the season, the number of goals scored and conceded, the overall overperformance/underperformance for the team given the calculated metrics, and the xpts and points accumulated over the season.
2. The second option will allow the user to look at the performance metrics for a team in a given year. These metrics will consist of - the xG performance of the team, which includes all stats with the letter 'x' in it, or you can look at the Passes per defensive action metric for the team in a given year.
3. The third option will show us the number of passes per defensive action, in comparison with the number of passes allowed/completed in the respective thirds for the team. This metric will tell us how proactive the team was, as high ppda for the team, combined with high number of passes completed in opposite thirds tell us that the team in question likes to dominate possession. Many more such conclusions can be achieved with this table.

Conflicts:

Regarding Conflicts, not much has been encountered so far in the project. The main conflict was the decision of what tables and visualizations should be shown in the web app. There was once a thought of incorporating predictions using regression models in the project, but this was quickly discarded, as there is not enough data to do this.

Next Steps:

The next steps for this project involve:

1. Visualizing the league position of a team over an entire season, throughout all the different matchdays.
2. Counting the number of matches per season and overall, where there is a significant difference between what was expected and what happened in the match. This will be done with the help of both ppda stats and the 'x' stats.
3. Creating a brand new league table, where we show what the table would look like if we take into account only 'xG' stats, and leave the xpts stats.
4. A last visualization, where we try to appease the superstitionists with a table and a graph linking the kickoff time and the result for any team in the database.
5. Many other visualizations which will help us understand a team's performance.