**PROJECT SUMMARY**

Our final project is based on which of the factors highly influence the total winning score in an NFL superbowl match.

For this analysis, we consider the below factors:

* Total Offensive Plays
* Total Rushing Yards
* Total Passing Yards
* Penalties
* Touchdown
* Field Goals

We will be considering data from 1967 to 2014.

The dataset for the above factors will be obtained from the NFL site.

We have planned to do regression analysis with the above factors being the dependent variables and the total score obtained by the winning team as the independent variable. And assess the relationships between these variables.

So considering a time period from 1967 to 2014, for each year we will take the winning team's point values for the above factors and do a regression analysis on those factors with respect to the final score they acheived. The p values will help us in identifying which of the factors are most important which led to the team winning the game. Lower the p value, more significant is the relationship between that factor and the independent variable. Histograms and scatter plots will also be included for better visualization of the data distribution.