**Project Proposal – Group 3**

**One-Stop Dashboard for NFL**

**Football Sports Teams and Player Statistics**

**Team Members**

Jacob Evans

Lailah Libay

Gustavo Mendes

Sara Parveen

**Project Description**

Football is one of the most populous sports in the world with a large viewing globally. The sport is also known to provide financial rewards for good predictors. Thus, there is a growing need for a platform that could cater for the needs of bettors, analysts and fans.  This proposal outlines the development of a dashboard for NFL - National Football League 2022 teams and players stats.

**Target Audience**

The intended target audience who will benefit from this project are:

* Sport Enthusiasts looking for more information about the teams and players
* Individuals reviewing statistics and analysis of the sport for curiosity or betting purposes

**Data Sources**

* SportsReference API (https://www.sports-reference.com/)
* Pro Football Reference (<https://www.pro-football-reference.com/>)
* ESPN GitHub (https://gist.github.com/akeaswaran/b48b02f1c94f873c6655e7129910fc3b#nfl)

**Type of Data Visualizations**

* TEAMS - Graphs with game results, stats with scores and number of matches.
* PLAYERS - Players historic data, biographic data, and season achievements.

**Platforms Used:**

The following platforms will be used for ETL and creating the dashboard:

* Python (Pandas Dataframe) for ETL
* Python Flask API and JavaScript for presentation and visualizations
* MongoDB for database

**Napkin Drawings:**

Following are some napkin drawings we created to give an idea about what the dashboards will look like:



