

Project Proposal – Group 1

One-Stop Dashboard for NFL Football Sports Teams and Player Statistics

Team Members

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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

- Pro Football Reference (<https://www.pro-football-reference.com/>)
- Covers (<https://www.covers.com/nfl>)
- SportsReference API (<https://www.sports-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:

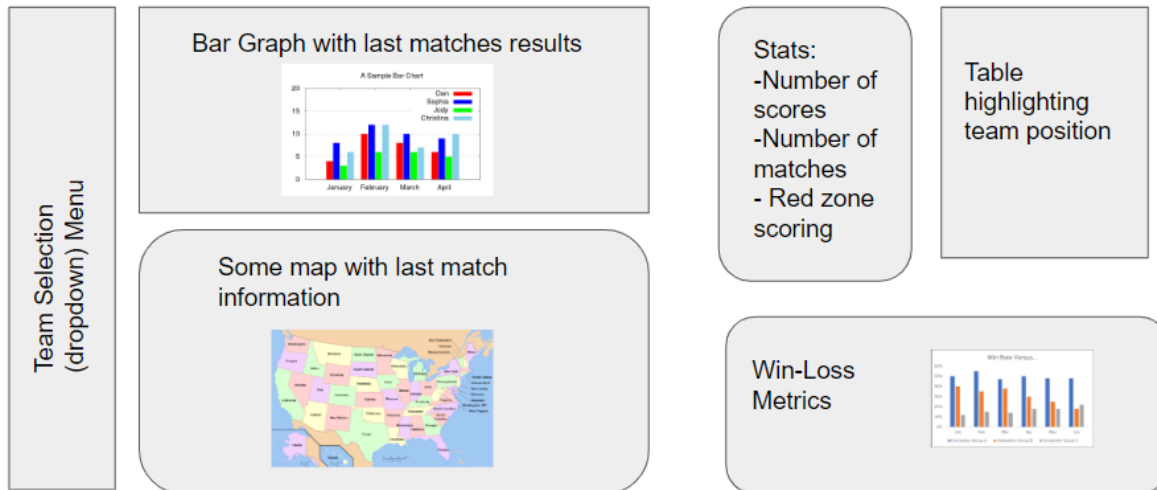
The following platforms will be used for ETL and creating the dashboard:

- 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:

Teams Dashboard



Players Dashboard

