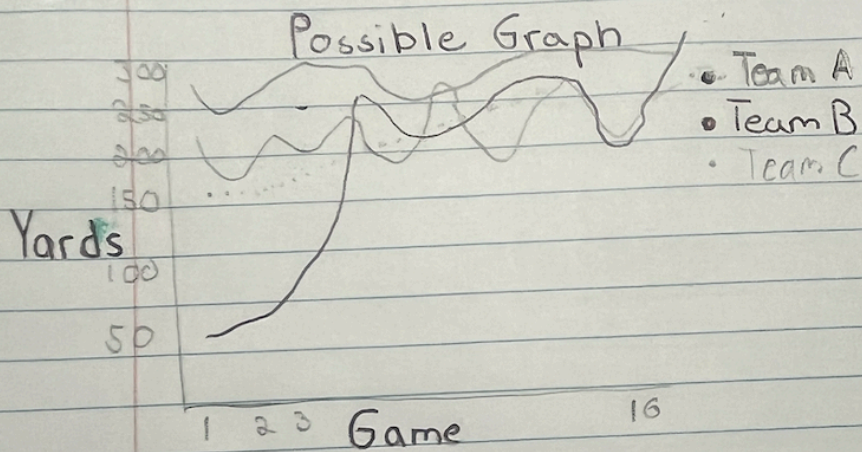


Project Plan

I would like to take a look at data that can tell me about the productivity of NFL offenses. This data will help me discover things such as the offense who gains the most yards, who does it most efficiently, and how they gain their yardage. I want to look at these statistics for the most recent season possible and possibly declare the best offense. I will also find things such as the best rushing team, best passing team and the most efficient runner, passer and receiver. This will help me gain a better understanding of the offenses and calculate productivity.

My code will be firstly going through the API's and csv files to gather data on the various NFL teams and players. I will then clean up the data doing things like filtering out smaller tables and aggregating the data. I will make comparisons between teams with charts that help visualize the offensive output of each team. I will compare things such as average yards per game for each team and how they got them, this will create a clear and concise way to decide the best team. I will also determine a team's productivity by calculating how many average yards they get per snap. This will allow me to determine the best team since they will get the most yards on any given snap.

I might have trouble gathering all the data sources and making sure all the data is for the same year. Thinking about productivity as average yards per snap might turn out to be the wrong way to decide the best offense. I also think that factoring things such as the team that they played against and their offense might be a potential roadblock. I think that since the NFL actually takes things like that into account when creating each team's schedule to try and give everyone a fair schedule I can not worry about this. I will however take this into account when I'm looking over the data and if I feel that a certain team has a hard schedule and suffered because of it then I might reevaluate how I calculate the best team. This plan will actually help so that I gather everything needed and make sure I do everything I laid out for myself.



Possible table

Team	Pushing Yds	Passing Yds	Total Yds	OPPnet	Productivity