For this project my role was to create the initial readme and to create a machine learning model. Initially the idea was for each group member to create their own machine learning model. After we dug into the data a bit it was decided to drop one of the machine learning models and for that person to do the data visualizations. My machine learning model was the Random Forest model. The Random Forest model is unique because it utilizes multiple decision tree to help the model have better accuracy. Though I started the readme my other team member helped edit the readme by giving me notes. Additionally, everyone did add to the readme by writing about their results for their machine learning models and other work.

The other team members were CC, Dillon, and Karina. Karina handled a Logistic model and started the PowerPoint which we all edited as well. Dillion had his machine learning model and handled the initial data cleaning. CC handled the visualizations and readme edits. Throughout the project we communicated through slack and worked on the project in class and outside of class using Discord.

For our topic we decided to try to create a model that would predict the popular vote based on the column avg\_vote of movies using certain features. When we first started, we used less features but because our accuracy score was low, we decided to add more features to see how it increased the score. After adding more features such as country grouped and duration the accuracy did increase significantly. Overall, the Random Forest model predicted the highest accuracy score at 96%.