Hello I am Zeyuan Wang, or you may call me primo.

My majors are Mathematics, Statistics, and Data Science, and currently I am a senior.

Graph 1 is the boxplts of words per Grammy Nominated song by decade. Which means these four are box plots for number of words in the song that owned grammy in the corresponding decade.

It shows that the number of outliers in 1990s is much more than the other decades, and there is slightly an increasing trend.

Graph 2 is the bar plot of the ten most popular words of grammy nominated songs from 1980 to 2019.

We can see that the time love appeared is extremely high

Graph 3 shows the top ten popular words by decade, it shows that love is always the most popular word which is much more frequent then number 2 word in each decade.

Graph 4 is the bar graph that shows net sentiment score by year, where the sentiment score is the amount of words with positive sentiment in a song in a particular year

Graph 5 is the bar graph of mean sentiment score by decade, which shows the mean sentiment score within each decade.

Graph 6 is the net sentiment score by year of grammy nominated records from 1980s to 2019 with a linear model fitted. Where the dots indicates the sentiment score of each year, and the line is the linear regression line that shows the relationship between year and sentiment score.

I have several thoughts about this final project.

The most challenging thing for me is organizing data by myself without any hints or instructions.

Unlike activities we have done in the semester, we do not have detailed step descriptions for this final project, and I have to organize the data structure and type by myself to guarantee everything works well and I am able to plot the correct graph.

I have learned several things from this final project:

First is that Now I am able to create a website using github. I am familiar with github, but I haven’t built a website on it before. After working on this project, I learned that it is much easier than I thought.

Second, I mastered my skills on data wrangling and graphing. I was not too familiar with ggplots’ feature. But after working with this project, I am pretty confident on modifying a ggplot to graph a complex task.