We equally separate the original images to prep-process and get the first and second order feature matrices among the three of us. I finished my codes but in order to keep our data uniformed, we used the same codes later. Besides the data pre-processing, I raised the ideas of using machine techniques such as random forest and boosting. I mainly worked with these two methods and also in charge of the data visualizations, including plotting the exploratory graphs and finding techniques to present our results. Later I also worked on the supportive vector machine when we tried adding it to our bagging. I also worked with Noah on the classification to test the accuracy of our results. I also suggested the use of data balancing techniques because we got really imbalanced data. I found several functions that we all tried deploying. During the whole program, I also helped keep Andrei in pace by sending him some readings related to machine learning and statistics that I found helpful in my past study. In the last 2 weeks, I also attempted on CNN and other neural networks. For instance, I tried the function in the package “mxnet” on our data, yet it didn’t work out well. Besides, I helped Noah on tuning our bagging before we reached our final results. I designed the poster for our team in the end.