

During the project, I actively communicated with my team members about how we should plan out our work and data science techniques we can implement in our code. We tried to meet at least once each week to discuss what we had done. I think what I could have done more effectively might be to get a better idea of what my team members have coded and perhaps modify my code according to their functions so that our code is more reusable. However, some challenges were that some of the techniques we wanted to implement like the autocorrelation graph were not taught during the lecture, which we had to learn on our own.

Our group was all responsible for working on assigned work and attending scheduled group meetings to discuss our work. During our first meeting, we assigned each person a part to work on the proposal. I wrote the problem statement and background and described the visualizations we wanted to make. In terms of the code, we split the 4 hypotheses that we claimed in our proposal, and each worked on proving or disproving a hypothesis. I worked on plotting and making an autocorrelation graph that shows whether there is a cycle in the unemployment rate. Then we each put the graphs and the result of our hypothesis on our google slide. For the report, we each summarized our work and combined our results.

Yuzhi - Wrote the analysis approach in our proposal. Worked on the ARIMAX model to predict future unemployment rate. He helped us debug our code when we run into problems with our code. Is the most knowledgeable when it comes to coding our project.

Meixu - Wrote the hypothesis and success metrics for the proposal. Worked on the spread of tertiary education having an upward impact on the unemployment rate. She found the template for our presentation slide which helped our presentation look less dull. Submitted our work to gradescope.

Guanyu - Wrote the data source in the proposal. Worked on finding the correlation between tragic events and unemployment. Volunteer to do tedious work like downloading the correct dataset file, putting the datasets we used into one folder, and making the citations for our datasets.