

1) Progress made thus far:

I have completed the first two tasks, with a small portion of the second part data visualization to be improved.

- a. senatestockwatcher(<https://senatestockwatcher.com/api>) and housestockwatcher(<https://housestockwatcher.com/api>) APIs designed by Tim Carambat (<https://ko-fi.com/rambat>), get the disclosed trading data from the APIs, clean and pre-process the data into tabular forms
- b. make data visualization and Sentiment Analysis about their buy or sale actions in different industries or the whole market

2) Remaining tasks

- c. get the S&P 500 and Nasdaq index data from Yahoo Finance API (<https://www.yahoofinanceapi.com/>)
- d. correlates them by various similarity matrices, make analysis about the disclosed information and the market index data
- e. conclude the bullish or bearish trends about the disclosed trades in different periods

3) Any challenges/issues being faced

Figuring out how to use the API to retrieve the data is more challenging and took more time than I expected. Also, I will assume the pending tasks take more time than expected because cleaning data after retrieval is not an easy task. However, it's quite promising to me to see how the results will be useful.