HW1 – Sentiment Analysis on Twitter

Follow the instructions in the file "Twitter Setup.pptx" to collect a good sample of tweets about a trending topic. You can find trending topics https://trends24.in/united-states/ (Suggestion: at least 500 tweets).

Then, perform the following task in a Jupyter notebook file.

First you need to clean up the tweet file content to the best you can. For each word that is not a "stop word" (and, the, a, is, as, …), assign a value +1 for positive sentiment or a value -1 for negative sentiment. A list of "positive" words will be provided to you. You can easily find a list of "stop words", and a list of "negative" words online. For the words that is not in positive/negative/stop words, count as 'others'.

- 1st assignment is to use '**Trump**' to collect the tweets then perform the sentiment analysis.
- 2nd assignment is to use the keyword you pick to perform the same analysis again.
- What's the ratio of positive/negative/stop word/others compare to the whole word count?
- What's the sum of all positive/negative observed? Do you think that the general sentiment is negative or positive? Weakly or strongly?

Submission

Submit one Jupyter notebook file (.ipynb) with your code; be sure to explain your code using mark downs cell and comments. No need to attach any other file.