

README
NATURAL LANGUAGE PROCESSING
CSE 5XX

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- **File_Parsing.py** has already been compiled and article are kept at NLP_Project/Dataset
- Download stanford-corenlp from below link:
<https://stanfordnlp.github.io/CoreNLP/index.html#download>
- Open terminal and type commands as follows:
 > **cd stanford-corenlp**

 > **java -mx4g -cp "*" edu.stanford.nlp.pipeline.StanfordCoreNLPServer -port 9000 -timeout 15000**
- Now, open another terminal or shell and execute:
 > **python coreference.py** (change the paths in file with your current location of the project)
 This co-reference file results in new files with anaphora resolved.
 > **python NER.py** (change the paths in file with your current location of the project)
 This NER file results in new files with all the Name-Entity extracted per article.
 > **python Sentiment_Analysis.py** (change the paths in file with your current location of the project)
 This file generates the final plot and results claiming the sentiments per article (in terms of Name-Entity) and the overall estimation.

Note: For reference all the code is added on github(with all the compiled files and corresponding results)

<https://github.com/HandaPavas/Sentiment-Analysis>

clone the repository and just compile Sentiment_Analysis.py by following command:

> git clone “<https://github.com/HandaPavas/Sentiment-Analysis>”

> python Sentiment_Analysis.py (change the paths in file with your current location of the project)