

For Bi-LSTM :

prerequisites : introduction to lstm,introduction to deep learning ,recurrent neural network

tools : spyder 3.3.6, python 3.7, anaconda navigator 1.9.7,jupyter 1.1.4

libraries : keras , sklearn, numpy, pandas, matplotlib

For SVM :

prerequisites : Vectorization of words

tools : jupyter-notebook, python3.6.9

libraries : gensim==3.8.3, scikit-learn==0.21.3,numpy==1.17.4,pandas==0.25.0, nltk==3.5

For HMM :

prerequisites:Knowledge about the Emission probability,Transition probability ,Markov assumption and Bayes Theorem.

tools:python3.7,anaconda 3

libraries : pandas,nltk,matplotlib,numpy,sklearn,Snowballstemmer