CS564 Foundations of Machine Learning

ASSIGNMENT 3

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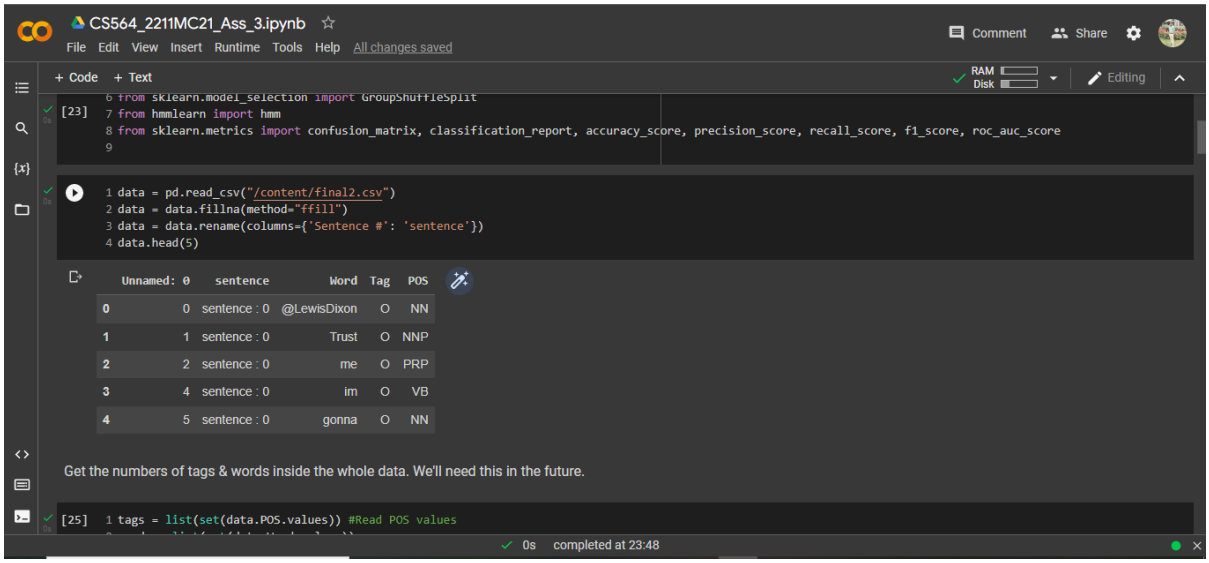
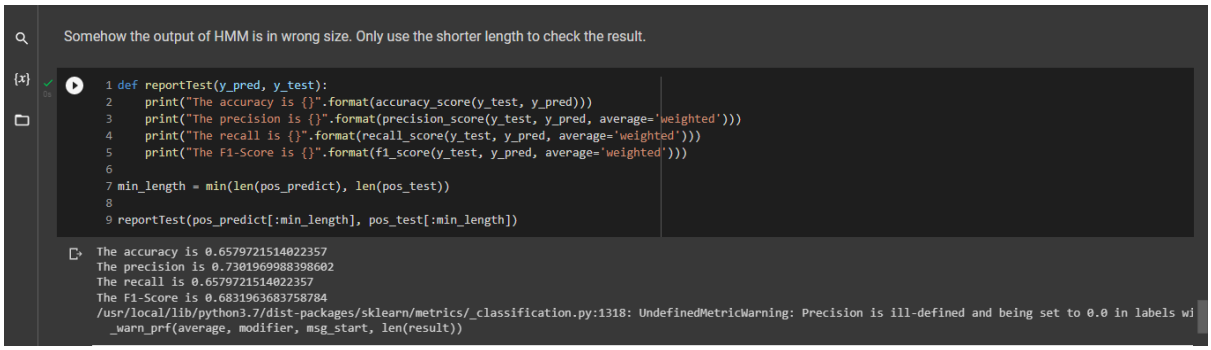
Problem Statement:

- The assignment implements Hidden Markov Model (HMM) to perform Named Entity Recognition (NER) task.

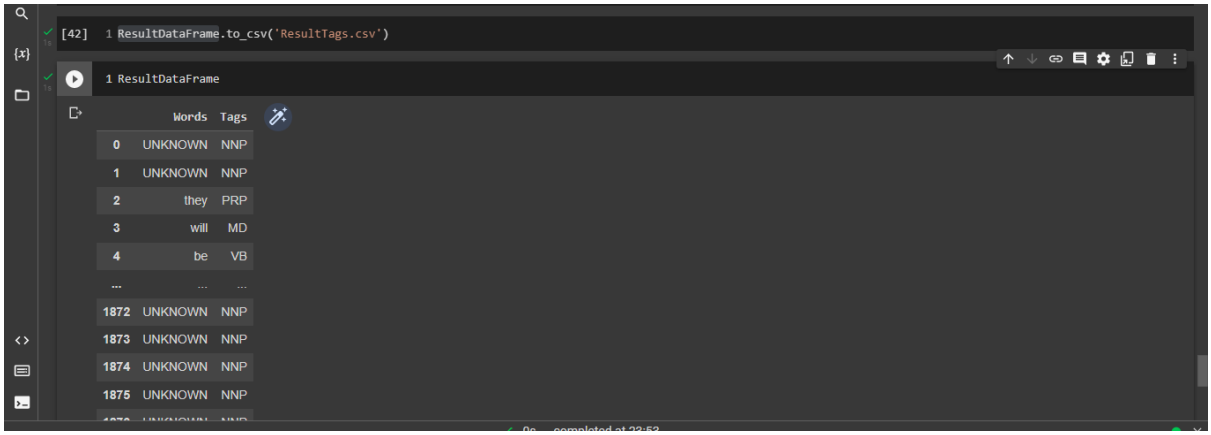
- Displaying the data



- Analysing the Performance measures



- Printing the Result data frame for the resulting words and tags



Performance Metrics	Value
Accuracy	69.79
Precision	72.600
Recall	69.7979
F1-Score	70.2350

Inference from Results:

- We can observe that performance measures of NER dataset against HMM is listed through the accuracy, precision, recall and F-measure, in the table shown above

- The results can be analysed from the ResultsTags.csv which shows the corresponding words, and its related tags as is visible from the csv file attached.