Advaith Malladi

2021114005

Report

Approach:

In each task, I performed two tasks:

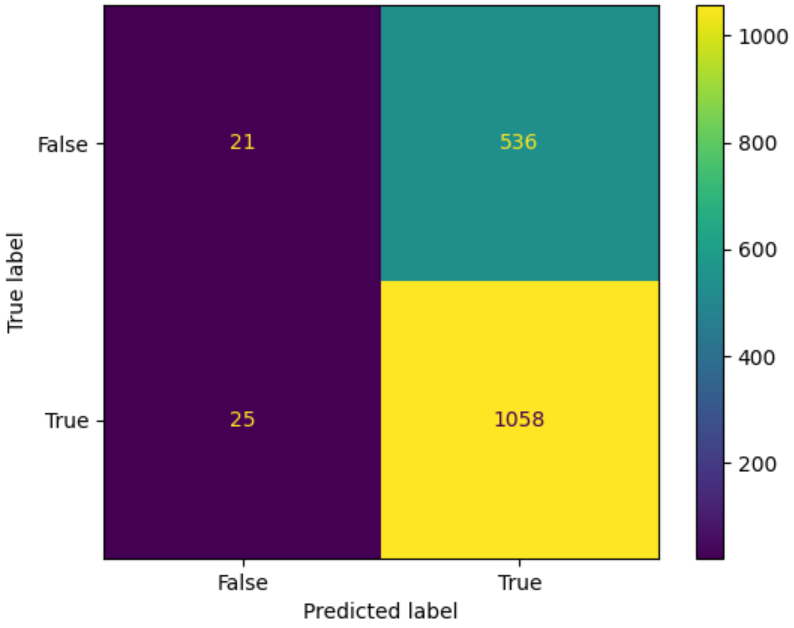
- Train a double stacked biLSTM for a language model on the corpus. Save this.
- Use the pretrained biLSTM to generate contextual embeddings for each word, use them as word embeddings, train another LSTM for a down stream task

Architecture:

- For the language modelling part, I trained the double stacked biLSTM, concatenated all the hidden layers, transformed into a vector, which could represent the contextual word embeddings.
- Using, these contextual word embeddings, I designed a simple uni directional LSTM and performed the downstream task

METRICS:

TASK 1



	precision	recall	f1-score	support
0	0.46	0.04	0.07	557
1	0.66	0.98	0.79	1083
accuracy			0.66	1640
macro avg	0.56	0.51	0.43	1640
weighted avg	0.59	0.66	0.55	1640

TASK 2:

Accuracy: 0.45

F1 Score: .33