E0-334 Deep Learning for NLP

Assignment 6

(due by 8th Oct, 11:59 AM)

Note: Use the following link for submitting your results.

`https://forms.office.com/r/3BmhaK87nv`

Problem:

In this assignment, we study the problem of textual entailment recognition. Given Text (T) and Hypothesis (H), the task of textual entailment recognition is to decide whether T entails H. Note that this is a directional relation. T entails H need not mean that H entails T. For Example, in the following pair of T and H, we say that T entails H.

T: Mahatma Gandhi (October 2, 1869 – January 30, 1948) was the prominent leader of Indian nationalism in British-ruled India.

H: Mahatma Gandhi was born on October 2.

You can use any neural architecture discussed in the class and train it on any publicly available training data set(s) for textual entailment recognition. The test set has two classes (Class "YES" if T entails H and Class "No" otherwise) and its format will be made available a few hours before the assignment submission deadline.

Note that in the test data set, the Text (T) may contain one or more sentences, while the Hypothesis (H) typically contains only one sentence.

Report the micro-average F1 score (in the scale (0,1)) of the designed model on the test set.

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References

1. The Stanford Natural Language Inference (SNLI) Corpus. `https://nlp.stanford.edu/projects/snli/`