

E0-334 Deep Learning for NLP

Assignment 4

(due by 15th Sept, 11:59 PM)

Note: Use the following link for submitting your results.

<https://forms.office.com/r/vVcER7gVgq>

Problem:

Consider the multi-category classification dataset available in the directory, “Datasets”, in the course Teams page.

Only the training dataset is currently made available to you. Design a neural architecture which uses the combination of CNN and LSTM (or its variants) to solve the multi-category classification problem. You could check if the use of self-attention mechanism at the output and/or dynamic meta-embedding at the input helps in improving the performance of the neural architecture.

The test set will be made available to you closer to the assignment submission deadline. Report the micro-average F1 score of the designed classifier on the test set.

Reference:

1. Zhou *et al*, A C-LSTM Neural Network for Text Classification, Onlibe version available at <https://arxiv.org/pdf/1511.08630>