Assignment 7 RNN

November 4, 2020

Assignment

Compare the classification results using various RNNs, i.e., SimpleRNN, LSTM, and GRU. The skeleton of the classification task is provided in the given python file. (You could also check the influence of making your recurrent model bidirectional.)

Report your accuracy on test set for different models, and submit it along with the codes.

Advanced Reading Materials

- Keras: `https://keras.io/`.

- LSTM: `http://colah.github.io/posts/2015-08-Understanding-LSTMs/`.

- Previous state-of-the-arts (before large pre-trained language models): `https://arxiv.org/pdf/1707.05589.pdf`