Assignment 8: Deep Learning

Task 1: Train a CNN classification model using the provided train.csv and test.csv such that the validation accuracy on test.csv is **at least 75%**. Your submission should include the following:

- Code
- Hyperparameter values, including max number of words for embedding layer, input sentence length, filters, the number of filters, batch size, and epoch etc.
- Model training history
- Accuracy, precision, recall on test.csv

Task 2 **(bonus)**: Train a CNN classification model with pre-trained word vectors from google using the provided train.csv and test.csv. Google word vectors can be found at https://drive.google.com/file/d/0B7XkCwpI5KDYNlNUTTlSS21pQmM/edit?usp=sharing . Use the same hyperparameters as in Task 1 and then compare the accuracy of different models. The accuracy should be improved slightly.

You can submit a jupyter notebook file or a .py file with a word/pdf file