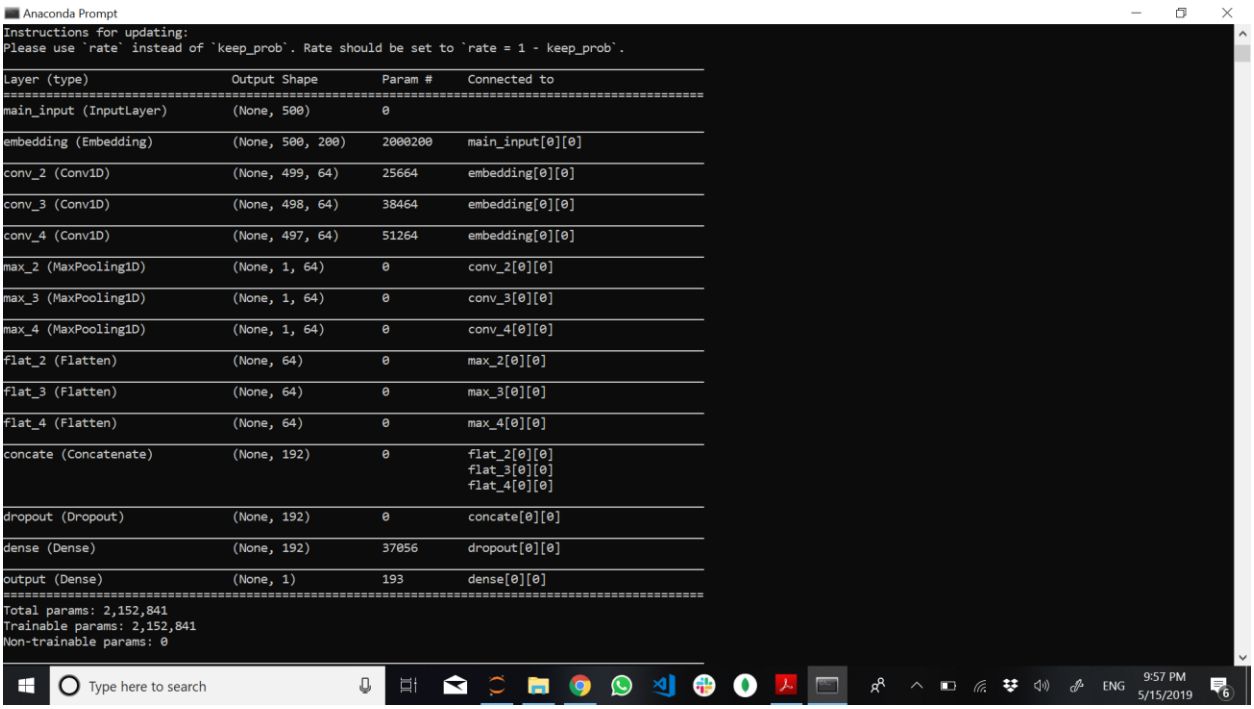
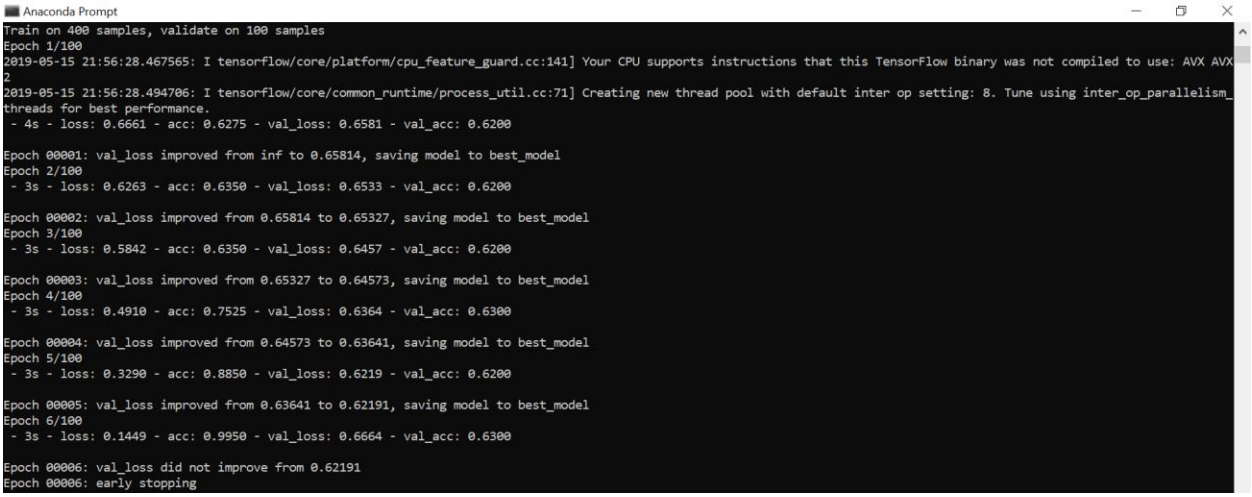
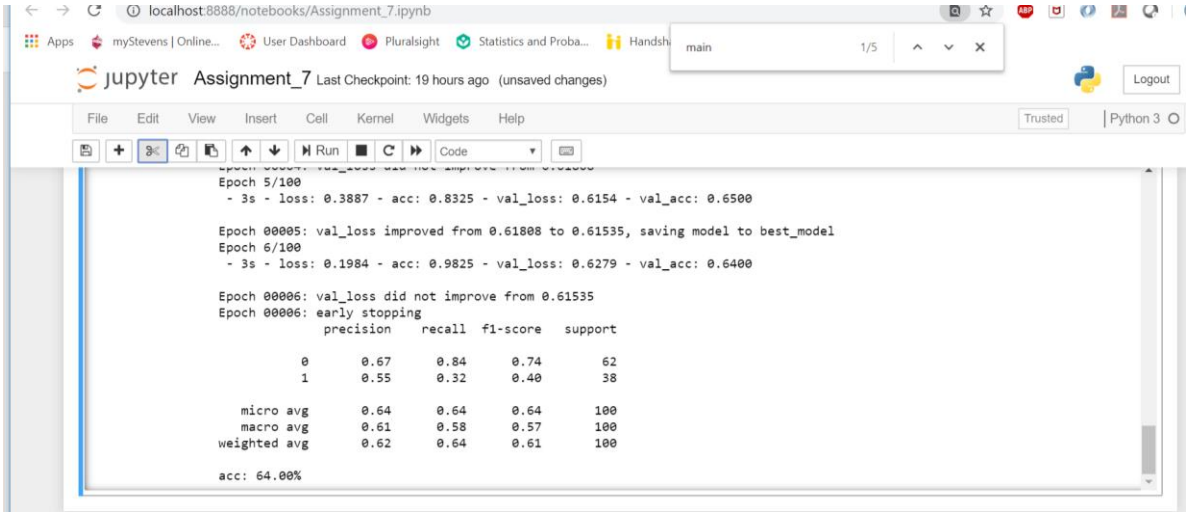
Assignment 7

I was not able to understand to question properly so I was not able to make model with two inputs. I made two different CNN left_cnn and right_cnn but I didn't know how to concatenate them so I simply made model which will take one column as input and then train them. I have also made pretrained wordvectors for that. Here below is the model summary for just one column so I just got accuracy **64.0%**.

Please give me partial marks for my work if possible.




Anaconda Prompt
Train on 400 samples, validate on 100 samples
Epoch 1/100
2019-05-15 21:56:28.467565: I tensorflow/core/platform/cpu_feature_guard.cc:141] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX AVX2
2019-05-15 21:56:28.494706: I tensorflow/core/common_runtime/process_util.cc:71] Creating new thread pool with default inter op setting: 8. Tune using inter_op_parallelism_threads for best performance.
- 4s - loss: 0.6661 - acc: 0.6275 - val_loss: 0.6581 - val_acc: 0.6200
Epoch 00001: val_loss improved from inf to 0.65814, saving model to best_model
Epoch 2/100
- 3s - loss: 0.6263 - acc: 0.6350 - val_loss: 0.6533 - val_acc: 0.6200
Epoch 00002: val_loss improved from 0.65814 to 0.65327, saving model to best_model
Epoch 3/100
- 3s - loss: 0.5842 - acc: 0.6350 - val_loss: 0.6457 - val_acc: 0.6200
Epoch 00003: val_loss improved from 0.65327 to 0.64573, saving model to best_model
Epoch 4/100
- 3s - loss: 0.4910 - acc: 0.7525 - val_loss: 0.6364 - val_acc: 0.6300
Epoch 00004: val_loss improved from 0.64573 to 0.63641, saving model to best_model
Epoch 5/100
- 3s - loss: 0.3290 - acc: 0.8850 - val_loss: 0.6219 - val_acc: 0.6200
Epoch 00005: val_loss improved from 0.63641 to 0.62191, saving model to best_model
Epoch 6/100
- 3s - loss: 0.1449 - acc: 0.9950 - val_loss: 0.6664 - val_acc: 0.6300
Epoch 00006: val_loss did not improve from 0.62191
Epoch 00006: early stopping


localhost:8888/notebooks/Assignment_7.ipynb
Apps
myStevens | Online...
User Dashboard
Pluralsight
Statistics and Proba...
main
1/5
jupyter
Assignment_7
Last Checkpoint: 19 hours ago (unsaved changes)
Logout
File
Edit
View
Insert
Cell
Kernel
Widgets
Help
Trusted
Python 3
Run
Code
Epoch 5/100
- 3s - loss: 0.3887 - acc: 0.8325 - val_loss: 0.6154 - val_acc: 0.6500
Epoch 00005: val_loss improved from 0.61808 to 0.61535, saving model to best_model
Epoch 6/100
- 3s - loss: 0.1984 - acc: 0.9825 - val_loss: 0.6279 - val_acc: 0.6400
Epoch 00006: val_loss did not improve from 0.61535
Epoch 00006: early stopping
precision recall f1-score support
0 0.67 0.84 0.74 62
1 0.55 0.32 0.40 38
micro avg 0.64 0.64 0.64 100
macro avg 0.61 0.58 0.57 100
weighted avg 0.62 0.64 0.61 100
acc: 64.00%