DSP_HW1 report b02705006 資管四 高偉立

執行方式:

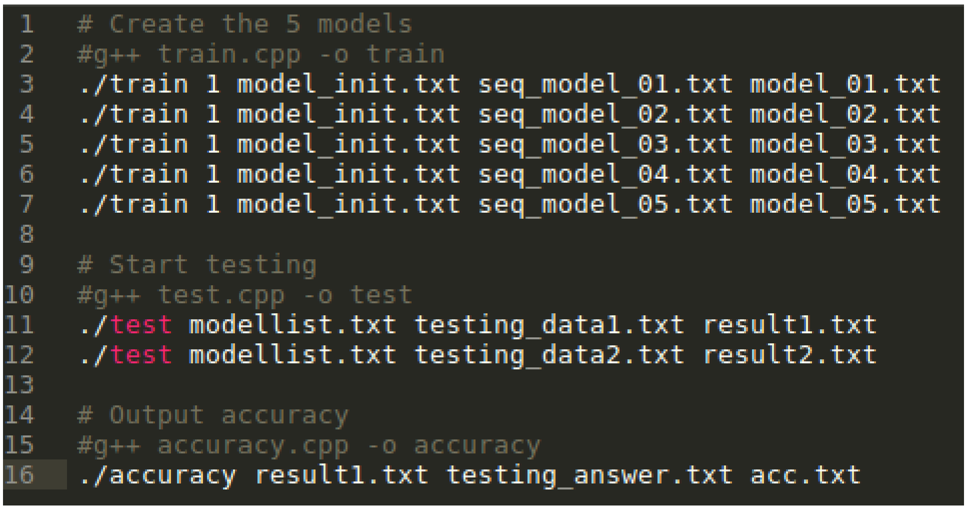
輸入 make 產生 train.cpp、test.cpp 和 accuracy.cpp 的執行檔後可用兩種方式執行。

A. 逐行輸入

1. 輸入 ./train “iteration 次數” model_init.txt seq_model_01.txt model_01.txt 到 ./train “iteration 次數” model_init.txt seq_model_05.txt model_05.txt 共五次產生 model_01.txt 到 model_05.txt 五個 model
2. 輸入 ./test modellist.txt testing_data1.txt result1.txt 和 ./test modellist.txt testing_data2.txt result2.txt 產生兩組測資的答案
3. 輸入 ./accuracy result1.txt testing_answer.txt acc.txt 比較第一組測資跑出的答案和解答的差距，竟將 accuracy 輸出至 acc.txt

B. 執行 run_all.sh 的 script 一次執行以上 command

1. 修改 run_all.sh 的參數 (調整 iteration 次數、輸出檔名…等)



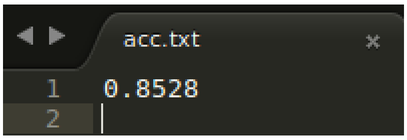
```
# Create the 5 models
#g++ train.cpp -o train
./train 1 model_init.txt seq_model_01.txt model_01.txt
./train 1 model_init.txt seq_model_02.txt model_02.txt
./train 1 model_init.txt seq_model_03.txt model_03.txt
./train 1 model_init.txt seq_model_04.txt model_04.txt
./train 1 model_init.txt seq_model_05.txt model_05.txt

# Start testing
#g++ test.cpp -o test
./test modellist.txt testing_data1.txt result1.txt
./test modellist.txt testing_data2.txt result2.txt

# Output accuracy
#g++ accuracy.cpp -o accuracy
./accuracy result1.txt testing_answer.txt acc.txt
```

2. 輸入 sudo chmod +x run_all.sh
3. 輸入 ./run_all.sh 執行 script

最終結果:

Iteration 次數 : 200

準確率 : 0.8528



```
0.8528
```

作業系統: Ubuntu 16.04 LTS