DSP HW1 資工碩一 r07922003 劉濬慶

本次作業用C寫的

1. 執行環境: Win10 內建下的虛擬 ubuntu bash

```
nealson@LAPTOP-KMUJIS9G: ~/r07922003
ealson@LAPTOP-KMUJIS9G:~/r07922003$ ls
                                                               seq_model_02.txt
seq_model_03.txt
seq_model_04.txt
                                iter600 model_init.txt
iter700 modellist.txt
          iter1200
                                                                                     testing_answer.txt
                                                                                    testing_datal.txt
                                           seq_model_01.txt seq_model_05.txt
ealson@LAPTOP-KMUJIS9G:~/r07922003$ make
                 train.cpp
                                                                seq_model_02.txt
                                                                seq_model_03.txt
                                                                seq_model_04.txt
                                                                                     testing_answer.txt
                                           seg model 01.txt seg model 05.txt
                                                                                     testing datal.txt
```

2. 執行步驟

Step1: ubuntu commend line 打 make 會自動編譯 test.cpp and train.cpp

Step2: ubuntu commend line:

```
./train iteration model_init.txt seq_model_01.txt model_01.txt
./train iteration model_init.txt seq_model_02.txt model_02.txt
./train iteration model_init.txt seq_model_03.txt model_03.txt
./train iteration model_init.txt seq_model_04.txt model_04.txt
./train iteration model_init.txt seq_model_05.txt model_05.txt
```

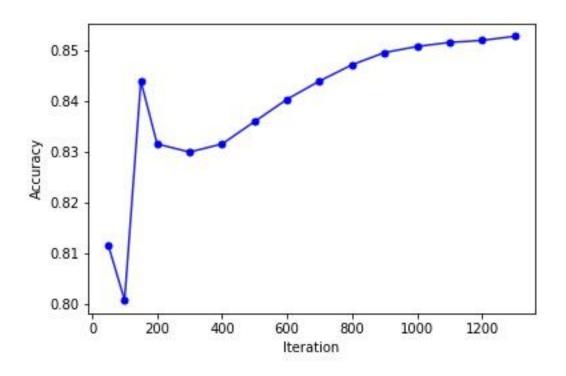
Step3: ubuntu commend line:

```
./test modellist.txt testing_data1.txt result1.txt
```

./test modellist.txt testing_data2.txt result2.txt

分別會產出 result1.txt & result2.txt

3. 執行結果



Iteration	50	100	150	200	300	400	500
Accuracy	0.8116	0.8008	0.8440	0.8316	0.8300	0.8316	0.8360
Iteration	600	700	800	900	1000	1100	1200
Accuracy	0.8404	0.8440	0.8472	0.8496	0.8508	0.8516	0.8520
Iteration	1300						
Accuracy	0.8528						

由於 Iteration 1300 時 Accuracy 最高故選 1300 的 model 來 predict test2