

## I. Training and testing

### 1. Environment

Server	OS	CPU	GCC version
EDAU1	CentOS 6.8	Intel Xeon E5620	5.4.0

### 2. The result when the number of iterations is equal to 100

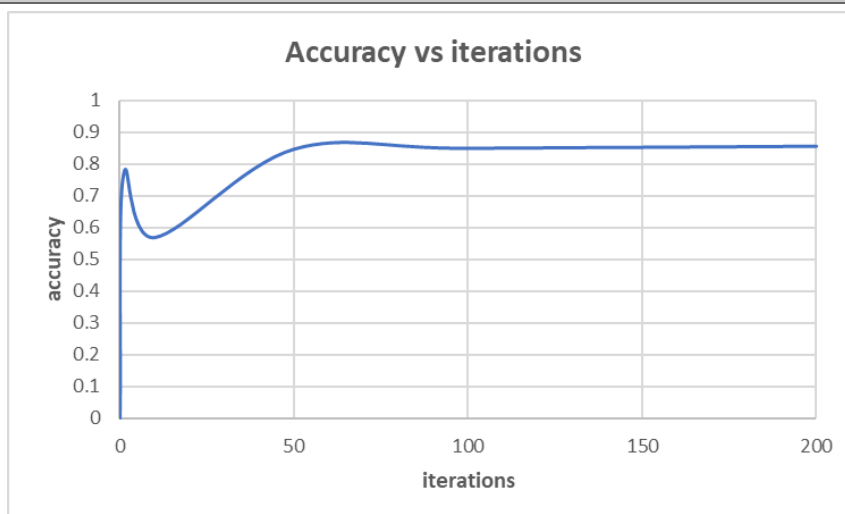
```

-bash-4.1$ time ./train 100 model_init.txt data/train_seq_01.txt model_01.txt
real    0m39.672s
user    0m39.681s
sys     0m0.002s
-bash-4.1$ time ./train 100 model_init.txt data/train_seq_02.txt model_02.txt
real    0m41.914s
user    0m41.928s
sys     0m0.000s
-bash-4.1$ time ./train 100 model_init.txt data/train_seq_03.txt model_03.txt
real    0m40.607s
user    0m40.620s
sys     0m0.000s
-bash-4.1$ time ./train 100 model_init.txt data/train_seq_04.txt model_04.txt
real    0m40.807s
user    0m40.817s
sys     0m0.003s
-bash-4.1$ time ./train 100 model_init.txt data/train_seq_05.txt model_05.txt
real    0m40.900s
user    0m40.911s
sys     0m0.003s
-bash-4.1$ ./test modellist.txt data/test_seq.txt result.txt
-bash-4.1$ ./check data/test_lbl.txt result.txt
Number of errors: 373
Accuracy: 0.8508

```

## II. Accuracy versus iterations

Iterations	1	10	50	100	200
Accuracy	0.7664	0.5692	0.8480	0.8508	0.8572



From the result shown above, we can observe a tendency for the accuracy to drop and then rise as the number of iterations increases.