






ML report

20170419

edited by GC

1518	▼ 112	Thomas Dekin		0.14071	3	12d
1519	▼ 112	sighalt		0.14000	1	19d
1520	new	GC WhiteShadow		0.11971	2	6d
1521	▼ 113	KsushaKulpina		0.11614	5	16d
1522	▼ 113	dugg2015		0.10600	1	25d

In the past three weeks, 定堯 and I did the practice of MNIST. Unfortunately, this time we didn't reach the our expectation. Therefore, we hope to discuss how to deal with this problem today.

```

1  import pandas as pd
2  import numpy as np
3  import tensorflow as tf
4
5  def compute_accuracy(v_xs, v_ys):
6      global prediction
7      y_pre = sess.run(prediction, feed_dict={xs: v_xs, keep_prob: 1})
8      correct_prediction = tf.equal(tf.argmax(y_pre,1), tf.argmax(v_ys,1))
9      accuracy = tf.reduce_mean(tf.cast(correct_prediction, tf.float32))
10     result = sess.run(accuracy, feed_dict={xs: v_xs, ys: v_ys, keep_prob: 1})
11     return result
12
13  def weight_variable(shape):
14      initial = tf.truncated_normal(shape, stddev=0.1)
15      return tf.Variable(initial)
16
17  def bias_variable(shape):
18      initial = tf.constant(0.1, shape=shape)
19      return tf.Variable(initial)
20
21  def conv2d(x,W):
22      return tf.nn.conv2d(x,W,strides=[1,1,1,1], padding='SAME')

```

the source code will show at 04/19