

## how to read csv file and apply it to tensor flow

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I am new to tensor flow i was trying to learn how to read data in a csv containin two features and one label and got stuck with the following error

[I here by attach the csv file](#)

```
df=pd.read_csv("intro_to_ann.csv")

X=tf.placeholder("float",[None,2])
y=tf.placeholder("float",2)

W = tf.Variable(tf.zeros([2,2]))
print(W)
b = tf.Variable(tf.zeros([2]))
print(b)
y= tf.sigmoid(tf.matmul(X, W) + b)#predicted value

error = tf.square(y - y_)
optimizer = tf.train.GradientDescentOptimizer(learning_rate).minimize(error)

init = tf.initialize_all_variables()

errors = []
with tf.Session() as sess:
    sess.run(init)
    X_data, Y_data = np.array(df.ix[:,0:2]), np.array(df.ix[:,2])
    for epoch in range(training_epochs):
        for (x_d,y_d) in zip(X_data,Y_data):
```

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I got this error

ValueError: Cannot feed value of shape (2,) for Tensor 'Placeholder\_33:0', which has shape '(2, 2)'

[csv](#) [pandas](#) [numpy](#) [tensorflow](#) [deep-learning](#)

edited Oct 1 '16 at 19:38

asked Oct 1 '16 at 18:13



[ak\\_1](#)  
23 10

## 1 Answer

You redefined y in your code. Pick different names for placeholder and data variable. It should work OK.

answered Oct 1 '16 at 18:57

[Dmitriy Danevskiy](#)

1,466 1 4 10

thanks for helping me in that, i changed the source code as above and got the shape error. can you take a look at it and help me where i am going wrong in defining the size of inputs and output. – [ak\\_1](#) Oct 1 '16 at 19:19

You again used same name for different nodes: `y = tf.placeholder("float",2)` and `y = tf.sigmoid(tf.matmul(X, W) + b)` #predicted value. That's not a right way. Choose different names for them. – [Dmitriy Danevskiy](#) Oct 1 '16 at 19:26

can you direct me where i am using the same name and where do i need to change exactly in the code! – [ak\\_1](#) Oct 1 '16 at 19:27

i got it i changed them, even then my error was same i was missing something in defining the shape of my place holdr's my input X has two features and i choose[None,2] since the vector size is 2 and my feeding data has two feautres can any one help me how to define these sizes – [ak\\_1](#) Oct 1 '16 at 19:44

ValueError: Cannot feed value of shape (2,) for Tensor 'Placeholder\_83:0', which has shape '(?, 2)' is the error that i got, can any one help me regarding this please. – [ak\\_1](#) Oct 1 '16 at 20:57

