

```
with tf.Session() as sess:
# Load the weights and bias - ERROR
saver.restore(sess, save_file)
```

The code above prints out the following:

Save Weights: Variable:0

Save Bias: Variable_1:0

Load Weights: Variable_1:0

Load Bias: Variable:0

...

InvalidArgumentError (see above for traceback): Assign requires shapes of both tensors to match.

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You'll notice that the name properties for weights and bias are different than when you saved the model. This is why the code produces the "Assign requires shapes of both tensors to match" error. The code saver.restore(sess, save_file) is trying to load weight data into bias and bias data into weights.

Instead of letting TensorFlow set the name property, let's set it manually: