

Your First Training

```
import tensorflow as tf
```

```
import numpy as np
```

```
# create data
```

```
x_data = np.random.rand(100).astype(np.float32)
```

```
y_data = x_data*0.1 + 0.3
```

```
Weights = tf.Variable(tf.random_uniform([1], -1.0, 1.0))
```

```
biases = tf.Variable(tf.zeros([1]))
```

```
y = Weights*x_data + biases
```

```
loss = tf.reduce_mean(tf.square(y-y_data))
```

```
optimizer = tf.train.GradientDescentOptimizer(0.5)
```

```
train = optimizer.minimize(loss)
```