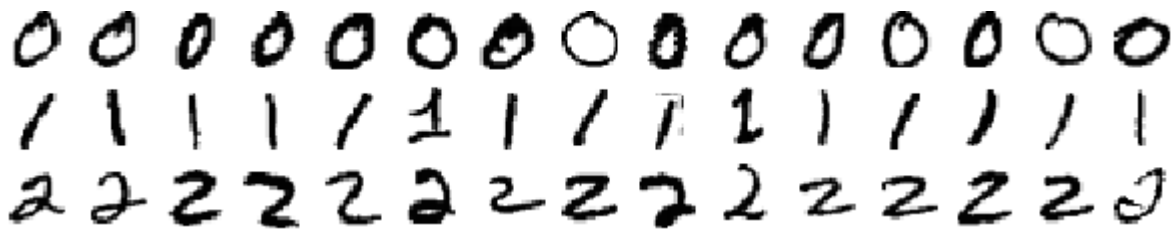


tf.zeros()

```
n_labels = 5  
bias = tf.Variable(tf.zeros(n_labels))
```

The `tf.zeros()` function returns a tensor with all zeros.

Linear Classifier Quiz



A subset of the MNIST dataset

You'll be classifying the handwritten numbers `0`, `1`, and `2` from the MNIST dataset using TensorFlow. The above is a small sample of the data you'll be training on. Notice how some of the `1`s are written with a **serif** at the top and at different angles. The similarities and differences will play a part in shaping the weights of the model.



Left: Weights for labeling 0. Middle: Weights for labeling 1. Right: Weights for labeling 2.

The images above are trained weights for each label (`0`, `1`, and `2`). The weights display the unique properties of each digit they have found. Complete this quiz to train