

Run TensorFlow in 10 minutes

The shortest path to set up a deep learning environment!

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Get started: Mac OS X

Anaconda installation (Python 3 + Packages)

<https://www.continuum.io/downloads>

TensorFlow installation (CPU only ver.)

https://www.tensorflow.org/install/install_mac

Open a terminal window with Command + T

```
$ conda create -n tensorflow
```

```
$ source activate tensorflow
```

```
(tensorflow)$ pip install --ignore-installed  
--upgrade
```

```
https://storage.googleapis.com/tensorflow/mac/cpu/tensorflow-1.0.0-py3-none-any.whl
```

*(all in one line: there is a space between
"--upgrade" and "https://...")*

Run Python Environment (Jupyter Notebook)

Open a terminal window with Command + T

```
$ source activate tensorflow
```

```
$ jupyter notebook
```

Get started: Windows

Anaconda installation (Python 3 + Packages)

<https://www.continuum.io/downloads>

TensorFlow installation (CPU only ver.)

https://www.tensorflow.org/install/install_windows

Open a command prompt

```
C:> conda create -n tensorflow
```

```
C:> activate tensorflow
```

```
(tensorflow)C:> pip install --ignore-installed  
--upgrade
```

```
https://storage.googleapis.com/tensorflow/windows/cpu/tensorflow-1.0.0-cp35-cp35m-win_x86_64.whl
```

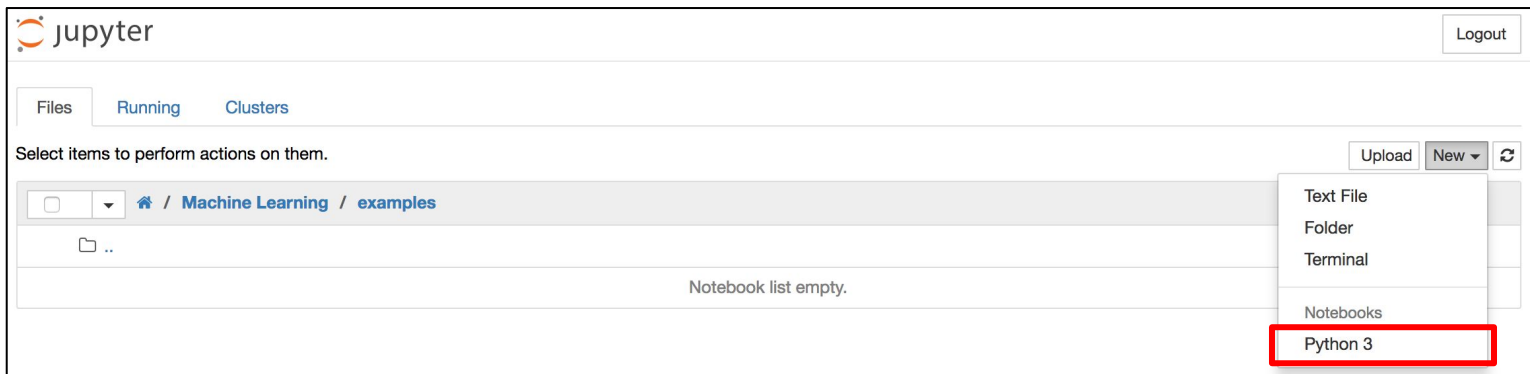
*(all in one line: there is a space between
"--upgrade" and "https://...")*

Run Python Environment (Jupyter Notebook)

Open a command prompt

```
C:> activate tensorflow
```

```
C:> jupyter notebook
```



```
In [1]: import tensorflow as tf          <shift> + <enter>

In [2]: hello = tf.constant('Hello, TensorFlow!')
        sess = tf.Session()              <shift> + <enter>

In [3]: print(hello)
        print(type(hello))
        print(sess.run(hello))
        print(type(sess.run(hello)))    <shift> + <enter> or <ctrl> + <enter>

Tensor("Const:0", shape=(), dtype=string)
<class 'tensorflow.python.framework.ops.Tensor'>
b'Hello, TensorFlow!'
<class 'bytes'>
```

<enter>: next line in a cell

<ctrl> + <enter>: execute codes in a cell

<shift> + <enter>: execute codes in a cell and insert a new cell below