

Setting up environment (for mac)

If the official guide does not work, try this one

open terminal, create a new virtual environment

```
$ (base) conda create -n tf python=3.6 # other versions of python acceptable
```

```
$ (base) conda activate tf
```

then (base) should become (tf)

Later, if you want to close the venv (virtual environment),

```
$ (tf) conda deactivate
```

ignore previous versions, and install the latest version of tensorflow

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

test code

```
$ python
```

```
>> import tensorflow as tf
```

```
>> test = tf.constant("omg")
```

```
>> new_session = tf.Session()
```

```
>> print(sess.run(test))
```

install ipython and Jupyter

```
$ (tf) conda install ipython
```

```
$ (tf) conda install jupyter
```

```
$ (tf) jupyter notebook
```

after opening the Jupyter notebook, copy the test code above to test

also check if the kernel is ipykernel, otherwise, go back to terminal

```
$ source activate tf
```

```
$ python -m ipykernel install --user --name tf --display-name "Python (tf)"
```

All packages required for this course

tensorflow

pandas, matplotlib, numpy

scikit-learn (sklearn)

seaborn

typing

scipy
networkx

Installation method:

\$ (tf) conda install packageName