Installing Keras

Mac OS X and Windows (Python 3.6)

conda install -c conda-forge keras

If you have problems:

- “No module named tensorfow”
- “No module named theano”

Keras automatically installs a backend package, either tensorflow or theano. When you install keras take note of which package it installs.

Below are examples from OS X and Windows

```
Steves-27-iMac-316:~ steve$ conda install -c conda-forge keras
Fetching package metadata ...........
Solving package specifications: .

Package plan for installation in environment /Users/steve/anaconda:

The following NEW packages will be INSTALLED:

    keras:      2.0.2-py36_1  conda-forge
    mock:       2.0.0-py36_0  conda-forge
    pbr:        3.0.1-py36_0  conda-forge
    protobuf:   3.3.0-py36_0  conda-forge
    tensorflow: 1.0.0-py36_0  conda-forge

The following packages will be SUPERCEDED by a higher-priority channel:

    conda:      4.3.14-py36_0             --> 4.2.13-py36_0 conda-forge
    conda-env:  2.6.0-0                   --> 2.6.0-0       conda-forge

Proceed ([y]/n)? y

conda-env-2.6. 100% |################################| Time: 0:00:00   1.30 MB/s
conda-4.2.13-p 100% |################################| Time: 0:00:01 253.71 kB/s
protobuf-3.3.0 100% |################################| Time: 0:00:04   1.59 MB/s
pbr-3.0.1-py36 100% |################################| Time: 0:00:01  91.30 kB/s
mock-2.0.0-py3 100% |################################| Time: 0:00:00 112.55 kB/s
tensorflow-1.0 100% |################################| Time: 0:00:26   1.26 MB/s
keras-2.0.2-py 100% |################################| Time: 0:00:00 498.00 kB/s
```

```
C:\Users\steve>conda install -c conda-forge keras
Fetching package metadata .............
Solving package specifications: .

Package plan for installation in environment C:\Users\steve\Anaconda3:

The following NEW packages will be INSTALLED:

    keras:       2.0.2-py36_1           conda-forge
    libgpuarray: 0.6.5-np111py36_vc14_0 conda-forge [vc14]
    mako:        1.0.6-py36_0           conda-forge
    theano:      0.9.0-py36_0           conda-forge

The following packages will be SUPERCEDED by a higher-priority channel:

    conda:       4.3.14-py36_1                      --> 4.2.13-py36_0 conda-forg
e
    conda-env:   2.6.0-0                            --> 2.6.0-0       conda-forg
e

Proceed ([y]/n)? y

conda-env-2.6. 100% |################################| Time: 0:00:00   0.00  B/s
mako-1.0.6-py3 100% |################################| Time: 0:00:01  89.03 kB/s
conda-4.2.13-p 100% |################################| Time: 0:00:03 114.96 kB/s
libgpuarray-0. 100% |################################| Time: 0:00:06 140.28 kB/s
theano-0.9.0-p 100% |################################| Time: 0:00:18 241.97 kB/s
keras-2.0.2-py 100% |################################| Time: 0:00:00 461.25 kB/s
```

You need to make sure the keras JSON configuration file uses the backend that was installed.

Configuration file locations:

- /Users/$YOUR_USERNAME$/.keras/keras.json

- C:\Users\$YOUR_USERNAME$\.keras\keras.json

Make sure you change the backend to match the backend that was installed by conda.

Here are examples from OS X and Windows

```
{
    "epsilon": 1e-07,
    "floatx": "float32",
    "image_dim_ordering": "th",
    "backend": "tensorflow"
}
```