

TensorFlow Lab



Labs

Work through the tutorials at your own pace:

https://www.tensorflow.org/versions/r1.4/get_started/get_started (don't read part about `tf.estimator`)
We are using tf version 1.4 because latter version expose more high-level API which hide how things actually work.

https://www.tensorflow.org/versions/r1.4/get_started/mnist/beginners

Don't just read the code, try to run it simultaneously in the notebook/editor as you go through the text.

There are two task you can try solving:

- `exc1.ipynb` - some introductory exercises
- `mnist_tf.py` - train your model on MNIST dataset

It is best to work in `virtualenv`.

To use jupyter with a `virtualenv` just install it in this `virtualenv`: `pip install jupyter`, and run `jupyter notebook` having the `virtualenv` already activated.

`virtualenvwrapper` (<https://virtualenvwrapper.readthedocs.io/en/latest>) is very convenient for managing `virtualenvs`.