

Section Quick Start

Lecture Jupyter Notebook with ML Model and TensorBoard

Links:

- <https://github.com/d4py/d4py>
- <https://pytorch.org/get-started/locally/>
- https://pytorch.org/tutorials/beginner/blitz/cifar10_tutorial.html#sphx-glr-beginner-blitz-cifar10-tutorial-py

Commands:

```
$ docker run -it --name tf1 -p 8888:8888 -v ${PWD}:/tf/notebooks  
tensorflow/tensorflow:latest-py3-notebook
```

```
$ docker start -ia tf1
```

```
$ docker rm tf1
```

```
$ docker run -it --rm -p 6006:6006 -v ${PWD}/logs:/tf/logs  
tensorflow/tensorflow tensorboard --bind_all --logdir /tf/logs
```

```
$ cd d4py/section-3/tensorflow
```

```
$ docker run -it --name tf1 -p 8888:8888 -v ${PWD}:/tf/notebooks  
tensorflow/tensorflow:latest-py3-notebook
```

```
$ docker run -it --name tf1 -p 8989:8989 -v ${PWD}:/tf/notebooks  
tensorflow/tensorflow:latest-py3-notebook jupyter notebook --no-  
browser --ip=0.0.0.0 --port=8989 --allow-root --notebook-dir=/tf
```

```
$ docker run -it --rm -p 6006:6006 -v ${PWD}/logs:/tf/logs  
tensorflow/tensorflow tensorboard --bind_all --logdir /tf/logs
```

```
$ docker run -it --name torch1 -p 8888:8888 -v ${PWD}:/tf/notebooks  
tensorflow/tensorflow:latest-py3-notebook
```

```
# pip3 install torch==1.3.0+cpu torchvision==0.4.1+cpu -f  
https://download.pytorch.org/whl/torch_stable.html
```

```
# exit
```

```
# exit
```