

DSGA 3001.009:
Data Engineering For Machine Learning

Lab 10/23/19

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- Tentative schedule/syllabus on NYU Classes
- Programming assignment 2 due **Oct. 24th**
- Be sure to submit a **dummy text on NYU Classes** or your submission will not be graded

- (1) TensorFlow Serving using the Fashion MNIST dataset
- https://www.tensorflow.org/tfx/serving/tutorials/Serving_REST_simple
- (2) TensorFlow Keras

Google TFX Transform



```
# switch to the lab-tasks branch  
git checkout lab-tasks
```

```
# update the lab-tasks branch  
git pull
```

```
# switch back to your master branch  
git checkout master
```

```
# merge the changes from the lab-tasks branch into your master branch  
git merge lab-tasks
```

```
# go to the examples folder  
cd 07
```

```
# create a virtual env (NOTE: your python binary might have a different name)  
python3.6 -m venv venv
```

```
# activate the virtual env (NOTE: different command required on Windows)  
source venv/bin/activate
```

```
# install the required pip packages into your virtual env  
pip install -r requirements.txt
```

```
# launch the jupyter notebook  
jupyter notebook
```

Fashion MNIST



Center for
Data Science

Label	Class
0	T-shirt/top
1	Trouser
2	Pullover
3	Dress
4	Coat
5	Sandal
6	Shirt
7	Sneaker
8	Bag
9	Ankle boot