

Learning Deep Learning for Coders

Repo with the notebooks for the Learning Deep Learning Workshop.

Run Jupyter Notebooks Locally

To run this notebook, you need to have these installed,

1. Python3
2. jupyter package
3. torch package

You can make your environment ready to run notebook with following these instructions. There will several different ways to install Python3 and manage your Python packages. Some of them are,

1. pyenv
2. conda

Installation of pyenv

Dependencies

If you are using Ubuntu run these bash command

```
sudo apt-get install -y make build-essential libssl-dev zlib1g-dev \
libbz2-dev libreadline-dev libsqlite3-dev wget curl llvm \
libncurses5-dev libncursesw5-dev xz-utils tk-dev libffi-dev \
liblzma-dev python-openssl git
```

If you are using OS X run these bash command

```
brew install openssl readline sqlite3 xz zlib git
```

Install pyenv

```
curl -L https://github.com/pyenv/pyenv-installer/raw/master/bin/pyenv-installer \
| bash

export PATH=~/.pyenv/bin:$PATH
eval "$(pyenv init -)"
eval "$(pyenv virtualenv-init -)"
```

Verify pyenv

```
pyenv --version
```

Install Python3.6.9

```
pyenv install 3.6.9
```

Create virtualenv

```
pyenv virtualenv 3.6.9 learn-pytorch
```

Activate virtualenv

```
pyenv activate learn-pytorch
```

Install Python packages

```
pip install torch jupyter
```

Start Jupyter Notebook

```
jupyter notebook
```