

Install Instructions (Linux)

1. Update package list

```
$ sudo apt update
```

2. Install compiler for python

```
$ sudo apt install build-essential
```

3. Install python 3.8

```
$ sudo apt install python3.8
```

Make sure numpy, matplotlib and pandas are installed

4. Install miniconda

```
$ wget https://repo.anaconda.com/miniconda/Miniconda3-py38_4.10.3-Linux-x86_64.sh
```

```
$ bash Miniconda3-py38_4.10.3-Linux-x86_64.sh
```

4. Enter into the conda environment

```
$ bash
```

5. Install Jupyter, d2l, torch and tokenizers

```
$ pip install jupyter d2l torch tokenizers
```

The default version of torch supports GPU. Make sure the right version of CUDA^[1] has been installed for Nvidia GPUs

6. Run material/artifact/setup.py, if the screen prints the versions of software libraries that are installed without raising any error, this means the environment has been correctly set up.

Note: The reviewer could also follow the installation steps in [2] for setting up. Make sure to select PYTORCH on this web page, and remember to install tokenizers after you finish all the steps.

[1] <https://developer.nvidia.com/cuda-downloads>

[2] https://d2l.ai/chapter_installation/index.html