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2. Setting up packages

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2. Setting up packages

Required python packages

Throughout this course, we will be using Python 3.6 along with the following packages.

- [NumPy](#)
- [matplotlib](#)
- [scikit-learn](#)
- [SciPy](#)
- [tqdm](#)
- [PyTorch](#)

Installation using pip

If you already have a working installation of Python 3, you should be able to install

all of the above packages using pip.

```
pip3 install numpy
pip3 install matplotlib
pip3 install scipy
pip3 install tqdm
pip3 install scikit-learn
```

For PyTorch, follow the instructions on <https://pytorch.org/> to install from pip repository corresponding to your system. You will not need CUDA for this course.

In the above commands, you can replace `pip3` with `python3 -m pip` to make sure you are installing the packages for the version of python your system is currently using.

Installation using conda

However, the recommended way of configuring your system is by using a conda environment.

We recommend that you install the latest version of Miniconda from <https://docs.conda.io/en/latest/miniconda.html>.

You can then create a conda environment for this course using

```
conda create -n 6.86x python=3.6
```

To activate this environment, use

```
conda activate 6.86x
```

Finally, install all of the required packages:

```
conda install pytorch -c pytorch
pip install numpy
pip install matplotlib
pip install scipy
pip install tqdm
pip install scikit-learn
```

Creating Environments Using Anaconda



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