

First, install Ubuntu on Windows 10:

<https://www.microsoft.com/en-us/p/ubuntu/9nblggh4msv6?activetab=pivot:overviewtab>

More detailed instruction is provided here:

<https://ubuntu.com/tutorials/ubuntu-on-windows#1-overview>

Then, update and upgrade all the packages up-to-date by

```
$ sudo apt-get update
```

```
$ sudo apt-get install
```

Next, install Anaconda on Windows 10 Ubuntu Terminal.

Detailed instruction can be found here:

<https://gist.github.com/kauffmanes/5e74916617f9993bc3479f401dfec7da>

Once you successfully installed Anaconda on Windows 10 Ubuntu terminal, please follow the same procedure to install ASCENDS in MacOS/Linux.

Clone the repository by doing

```
git clone https://github.com/ornlpmcp/ASCENDS.git
```

Go to the ASCENDS directory and create a new Python environment for ascends by doing:

```
conda env create -f environment.yml --name ascends
```

Please refer to the environment.yml for dependencies.

To activate an environment in your Terminal Window, run

```
conda activate ascends
```

You will see the active environment in parentheses at the beginning of your command prompt:

```
(ascends) $
```

Now you're ready to use ascends. Please see the next section for a quick start guide. To check if you properly installed ascends-toolkit, run

```
python train.py --help
```

If you see the usage help of regression trainer, you're ready to go. Now have fun with ascends-toolkit.

To deactivate the current Anaconda environment, after using ascends in your Terminal Window, run

```
conda deactivate
```

To make sure ascends-toolkit has been properly installed and learn how the tool can be used, please go over the following tutorials.