ANN-CI Installation Guide

1. MiniConda

* Create a conda enviornment.
* Activate the conda enviornment.
  1. **Downloading and activating miniconda**

**mkdir -p ~/miniconda3**

**wget** [**https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86\_64.sh -O** ~/miniconda3/miniconda.sh](https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh%20-O%20~/miniconda3/miniconda.sh)

**bash ~/miniconda3/miniconda.sh -b -u -p ~/miniconda3**

**rm –rf ~/miniconda3/miniconda.sh**

**~/miniconda3/bin/conda init bash**

**1.2 Creating an environment**

**conda create -n ann\_par**

**conda activate ann\_par**

**1.3 Download all the libraries and dependencies.**

**conda install pytorch**

**conda install numba**

**conda install scikit-learn**

**conda install pandas**

**conda install matplotlib**

**conda install numpy**

**conda install -c conda-forge lapack**

**conda install -c "conda-forge/label/cf201901" lapack**

**conda install -c "conda-forge/label/cf202003" lapack**

**conda install -c "conda-forge/label/lapack\_rc" lapack**

**pip install bitstring**

**conda install mpi4py**