**Configuring the environment (Updated 22 June 2025)**

**Installing Anaconda**

<https://www.anaconda.com/products/distribution>

**Installing Miniconda**

<https://docs.conda.io/en/latest/miniconda.html>

**Commands in console**

**Create Conda virtual environment**

conda create -n **name-env** python=3.x pip -y

**Activate Conda virtual environment**

conda activate **name-env**

**List the Conda virtual environments installed in pc**

conda env list

**List the Conda libraries/packages installed on a specific virtual environment (virtual environment must be activated)**

conda list

**Install a python package/library (virtual environment must be activated)**

pip install **name-package**

ex. pip install numpy pandas pptk h5py

**Install python packages (virtual environment must be activated)**

pip install -r requirements.txt

**Install laspy and opend3d (virtual environment must be activated)**

conda install -c conda-forge laspy

pip install open3d --upgrade

**Install kernel for Jupyter Notebook (virtual environment must be activated)**

pip install ipykernel jupyter

python -m ipykernel install --user --name=**env-name** --display-name “**name**”

**Note**: **env-name** and “**name**” are your own names.

**Open Jupyter Notebook (virtual environment must be activated)**

jupyter notebook

**Note**: Choose your own environment in the jupyter notebook

**Remove Conda virtual environment**

conda remove --name **name-env** –all