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**github repository for this workshop**

<https://github.com/acunam/PointCloud_files>

**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)**

conda install nb\_conda nb\_conda\_kernels

pip install ipykernel

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

jupyter notebook

**Remove Conda virtual environment**

conda remove --name **name-env** --all