

# Anaconda

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1. Create python environment in anaconda with specific python version.

```
conda create -n <env_name> python=3.6
```

2. Create conda environment with specific dependencies

- Create \*.yaml file

```
name: echotype_examples
channels:
  - conda-forge
  - nodefaults
dependencies:
  - python=3.10
  - ipykernel
  - s3fs
  - geopandas
  - cartopy
  - scipy
  - echopy
  - numba # Helps ensure a recent version is installed
  # -- holoviz --
  - jupyter_bokeh
  - datashader
  - holoviews
  - hvplot
  # -- echotype --
  # echotype main branch contains latest changes (not in the stable release)
  - pip:
    - git+https://github.com/OSOceanAcoustics/echotype
```

- Create environment

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

### 3. Create kernel for jupyter-notebook.

- Install jupyter ipykernel

```
conda install -c conda-forge jupyter ipykernel
```

- add env as jupyter kernel

```
python -m ipykernel install --user --name=myenv --display-name "nama-kernel"
```