

Prepare Python environment on your local machine

Anaconda

- Anaconda includes Python and a large number of modules designed for scientific computing.
- Create 'Virtual environment' of python that helps share codes with the same version of packages.



- To install
 - Anaconda.com
 - Products
 - Individual Edition

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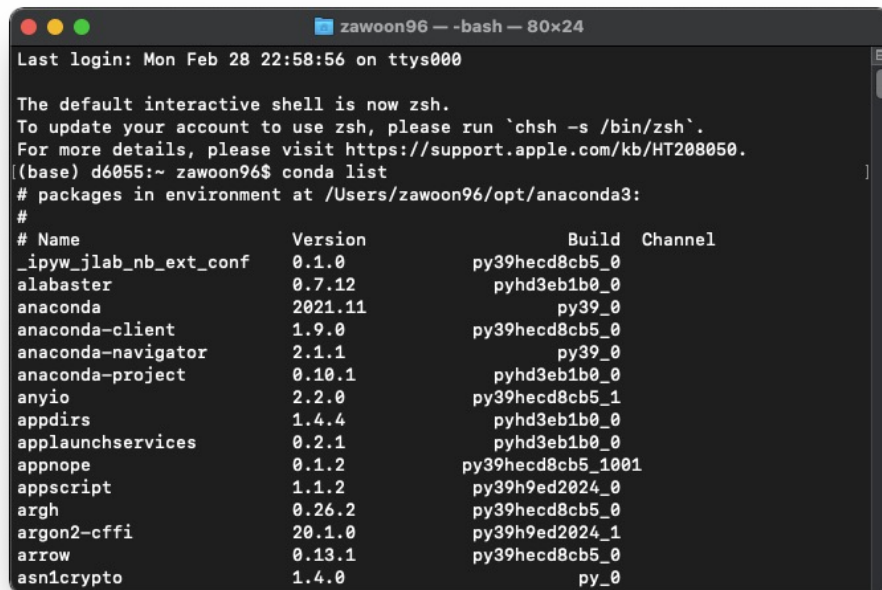


Get Started



Through Command Line

- Mac
 - Launch Terminal (Mac)
- Windows
 - Windows button -> search Anaconda Prompt



A screenshot of a macOS Terminal window. The title bar shows 'zawoon96 - bash - 80x24'. The terminal text indicates a successful login and a switch to the zsh shell. The user has run the command 'conda list', which displays a table of installed packages in the Anaconda3 environment.

```
Last login: Mon Feb 28 22:58:56 on ttys000

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
(base) d6055:~ zawoon96$ conda list
# packages in environment at /Users/zawoon96/opt/anaconda3:
#
# Name                                Version           Build    Channel
_ipyw_jlab_nb_ext_conf                0.1.0             py39hecd8cb5_0
alabaster                             0.7.12            pyhd3eb1b0_0
anaconda                              2021.11           py39_0
anaconda-client                       1.9.0             py39hecd8cb5_0
anaconda-navigator                    2.1.1             py39_0
anaconda-project                      0.10.1            pyhd3eb1b0_0
anyio                                 2.2.0             py39hecd8cb5_1
appdirs                               1.4.4             pyhd3eb1b0_0
applaunchservices                     0.2.1             pyhd3eb1b0_0
appnope                               0.1.2             py39hecd8cb5_1001
appscript                             1.1.2             py39h9ed2024_0
argh                                  0.26.2            py39hecd8cb5_0
argon2-cffi                           20.1.0            py39h9ed2024_1
arrow                                 0.13.1            py39hecd8cb5_0
asn1crypto                            1.4.0             py_0
```

* Create a new virtual environment

```
conda create --name geog489 --y
```

```
conda activate geog489
```

* Install Packages

```
conda install --channel conda-forge geopandas --y
```

```
conda install --channel conda-forge notebook --y
```

```
conda install --channel conda-forge esda --y
```

```
conda install tqdm -y
```

* Launch Jupyter notebook

```
jupyter notebook
```

Q&A

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