

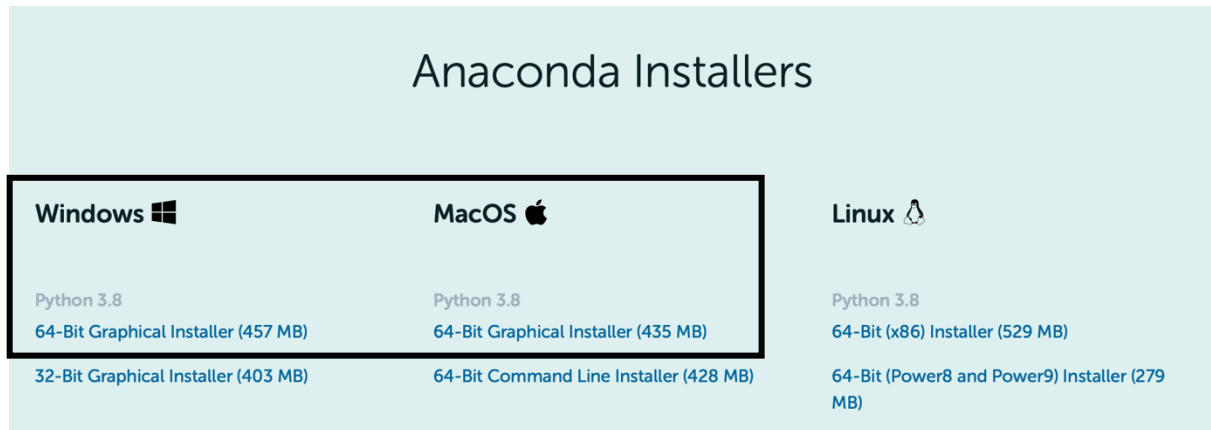
## Loading Python using Anaconda

*envname, kernelname, modulename = the name you want to use  
e.g. 'euansenv' or 'euanskernel'*

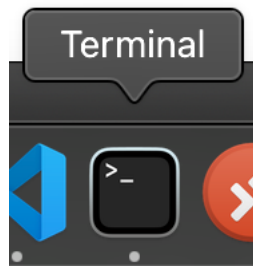
---

1) Download Anaconda for Python from here:

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



2) Open Anaconda Prompt (Windows) or Terminal (Mac)



3) Create environment by typing this in to the terminal/prompt and pressing enter (might take 5 – 10 mins):

**conda create --name envname python=3.8 anaconda**

My environment is called 'general' in this example:

```
(base) euansoutter@MacBook-Pro ~ % conda create --name general python=3.8 anaconda
```

4) Activate environment by typing this in to the terminal/prompt and pressing enter:

**conda activate envname**

```
(base) euansoutter@MacBook-Pro ~ % conda activate general
(general) euansoutter@MacBook-Pro ~ %
```

Once your environment is active it should change from (base) to (envname) in your terminal/prompt (on the left hand side)

5) Create a kernel by typing this in to the terminal/prompt and pressing enter:

**python -m ipykernel install --user --name kernelname**

```
(general) euansoutter@MacBook-Pro ~ % python -m ipykernel install --user --name euankernel
```

6) Make a folder for all your Python files and navigate to that folder (using its path) in the terminal/prompt. There are different ways to do this for Windows and Mac, Google 'terminal navigation commands' for help, 'cd' before the file path is common:

**cd folder/sub\_folder**

I made a folder 'python' and put it on the Desktop in this example:

```
(general) euansoutter@MacBook-Pro ~ % cd Desktop/python
(general) euansoutter@MacBook-Pro python %
```

Once in your folder (it should say the folder name before the % symbol on Mac).

7) Type jupyter notebook and press enter (should take < 10 s):

**jupyter notebook**

```
(general) euansoutter@MacBook-Pro ~ % cd Desktop/python
(general) euansoutter@MacBook-Pro python % jupyter notebook
```

This will open your jupyter notebook in your browser (e.g. Chrome) and show all the files in the folder you opened it from. If it doesn't open the terminal/prompt will provide a link to copy and paste in the browser. Just add ipynb files to that folder or make your own in the notebook using the 'New' button.



You don't need to re-do all this. Once you've made your environment and kernel you can just reopen them again and again:

- 1) Open Anaconda prompt (Windows) or Terminal (Mac)
- 2) Activate environment (should take < 10 s):

**conda activate envname**

- 3) Navigate to working directory/folder:

**cd folder/sub\_folder**

- 4) Open Jupyter Notebook (should take < 10 s):

**jupyter notebook**