

Step-by-step instructions for using Jupyter notebooks

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I recommend using a Linux-based operating system such as macOS or Ubuntu. The computers in the comp lab are Linux based.

Open a terminal on your computer.



You'll talk to the computer via this terminal.

1 Installing Homebrew

[Homebrew](#) is a package manager for Linux-based operating systems. To install Homebrew copy `/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"` into the terminal and press enter.

2 Installing python

If your computer does not have python you can install it with Homebrew. Type

```
brew install python
```

as a command in the terminal and press enter. [More detailed instructions on installing python.](#)

3 Installing Jupyter

You can now install Jupyter via

```
brew install jupyter
```

then you can launch Jupyter notebooks via the browser by entering

```
jupyter notebook
```

into the terminal.

4 Download my Jupyter notebooks

All the Jupyter notebooks you'll need can be downloaded via the [VLE](#). When you launch Jupyter notebooks in the browser you'll be able to see your directories and hence open the downloaded notebooks. You can run the notebook by pressing the 'fast forward' button at the top of the page. You can also edit the code as you like and rerun that part of the code by pressing the 'play' button at the top of the page, then see what happens!

5 Additional software

You'll need some additional software to run my Jupyter notebooks. The first is [matplotlib](#), which is needed to create figures – to install:

```
brew install matplotlib
```

and you'll also need [numpy](#) which is the fundamental package for scientific computing with python. To install use the command

```
brew install numpy
```

then you're all set!