

# Intro to Python: Setup and Installation

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Azalee Bostroem, Trevor Bekolay, and Valentina Staneva (eds): "Software Carpentry: Programming with Python." Version 2016.06, June 2016, <https://github.com/swcarpentry/python-novice-inflammation>, 10.5281/zenodo.57492.

## Install Python

In this workshop, we will be using Python 3 with some of its most popular scientific libraries. Although one can install a plain-vanilla Python and all required libraries by hand, we recommend installing [Anaconda](#), a Python distribution that comes with everything we need for the workshop. Detailed installation instructions for various operating systems can be found on The Carpentries [template website for workshops](#) and in [Anaconda documentation](#).

## Obtain workshop materials

1. Create a folder twitter-python on your Desktop.
2. Move the downloaded file to the twitter-python folder.

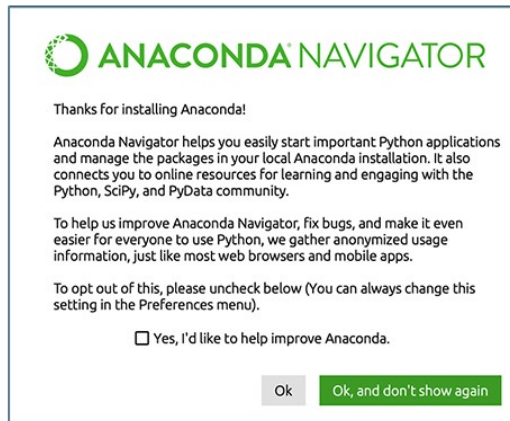
## Launch python Interface

To start working with Python, we need to launch a program that will interpret and execute our Python commands. Below we list several options. Otherwise, you may use any interface you like.

## Jupyter Notebook

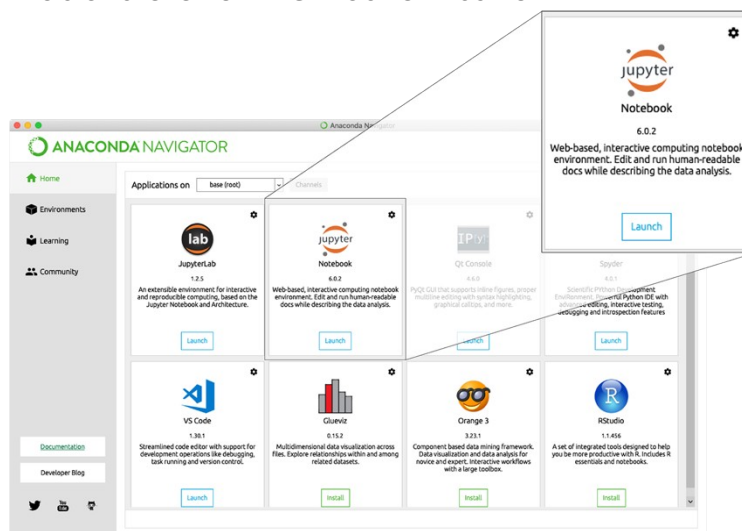
A Jupyter Notebook provides a browser-based interface for working with Python. If you installed Anaconda, you could launch a notebook in two ways:

- **Anaconda Navigator**
  1. Launch Anaconda Navigator. It might ask you if you'd like to send anonymized usage information to Anaconda developers:



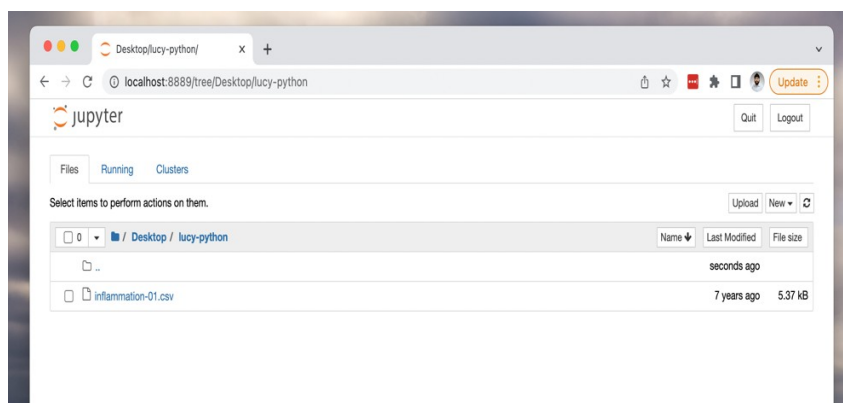
Make your choice and click “Ok, and don’t show again” button.

- Find the “Notebook” tab and click on the “Launch” button:

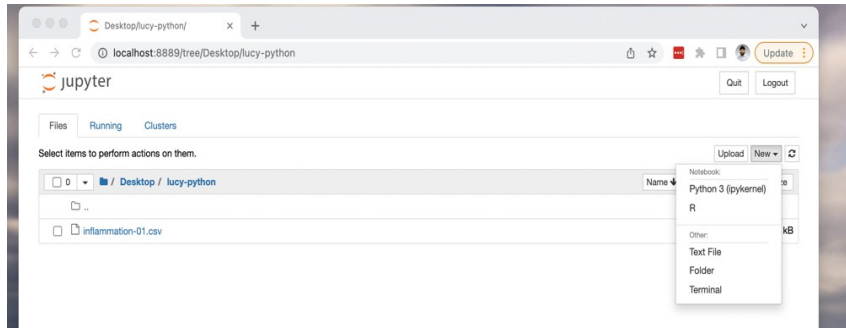


Anaconda will open a new browser window or tab with a Notebook Dashboard showing you the contents of your Home (or User) folder.

- Navigate to the twitter-python directory by clicking on the directory names leading to it: Desktop, twitter-python,



- Launch the notebook by clicking on the “New” button and then selecting “Python 3”:



- **Command line (Terminal)**

1. Navigate to the twitter-python directory:

**Unix shell:**

If you are using Unix shell application, such as Terminal app in macOS, Console or Terminal in Linux, or Git Bash on Windows, execute the following command:

```
cd ~/Desktop/twitter-python
```

**Command Prompt(Windows):**

On Windows, you can use its native Command Prompt program. The easiest way to start it up is pressing Windows Logo Key+R, entering cmd, and hitting Return. In the Command Prompt, use the following command to navigate to the data folder:

```
cd /D %userprofile%\Desktop\twitter-python
```

2. Start Jupyter Notebook

**Unix shell:**

```
jupyter notebook
```

**Command Prompt(Windows):**

```
python -m notebook
```

3. Launch the notebook by clicking on the “New” button on the right and selecting “Python 3” from the drop-down menu:

