

Mac Installation Guide

Install Python

Install the latest version of Python for Mac or check if you already have the correct version of Python on your computer. To do so, start a terminal window. Type

```
python --version
```

and

```
python3 --version
```

If the output contains "Python 3.6" or higher, you have Python installed. If this is not the case, please go to www.python.org/downloads. Click the button **Download Python** (See Figure 1). Then, run the downloaded pkg-file, install the program and close the installer.

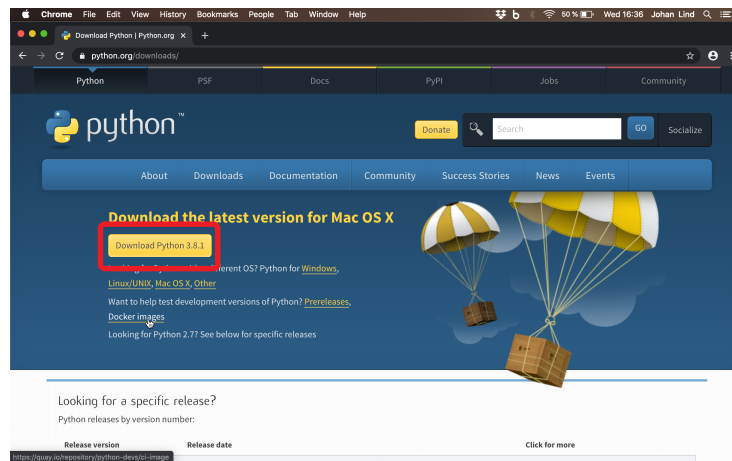


Figure 1: Click **Download Python** to download the latest version of Python

Install Matplotlib

Start a new Terminal Window on your computer. Type

```
python -m pip install -U matplotlib
```

to install Matplotlib on your computer. (Replace `python` with `python3` and `pip` with `pip3` if needed.)

Download the Simulator

The Simulator can be downloaded from

www.github.com/learningsimulator/learningsimulator.

You can also click the **Download Simulator**-button on the Learning Simulator webpage www.learningsimulator.org.

On the Github-page, click the green **Code** button to the right. Then click **Download ZIP**. Download the ZIP-file to your computer. See Figure 2.

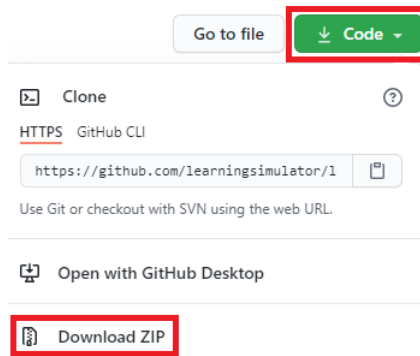


Figure 2: The button **Code** on the Github page.

Start the simulator

The simulator is located in the folder **learningsimulator-master**. To start the software, double-click the file **lesim.py** in this folder so that it opens in IDLE. Select **Run Module** from the **Run** menu. The simulator will open.

Add scripts

To download scripts to use with the simulator, please go to

www.learningsimulator.org.

Click **Download** and **Script database**. Here you can find some demo scripts. Download a text file and save to your computer. Then start the learning simulator. Choose **Open** from the **File** menu and select the downloaded file. To run the script, click the button **Simulate and Plot**.