

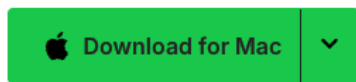
Anaconda and Python installation - Troubleshooting

Quick note: if you have already tried to install it in class and it didn't work, go to the last section called 'Uninstalling' and follow the instructions there. Then start from scratch.

Windows

1. Go to <https://www.anaconda.com/download> and click on 'Get Started'. Connect via your TCD Gmail account (not necessarily, just quicker).
2. Click on the green button 'Download for X' (the screenshot is from a MacOS laptop but your operating system should be recognized automatically).

Distribution Installers



For installation assistance, refer to [troubleshooting](#).

Windows	▼
Mac	▼
Linux	▼

3. Run the installer (conda.exe)
 - You will be prompted to save it into a path with the folder 'anaconda3'
 - do so.

There is a box called 'Add Anaconda to my PATH' that is recommended to be unchecked. Many issues today were caused because of this 'unchecked' recommendation. In case you had trouble with that today, try installing it again with this box checked.

The installation could take up to 15-20 minutes if your computer is a bit older or loaded with a lot of programs/files. Do not stop the installation. Only if it is taking more than that abort.

Keep 'Launch Anaconda Navigator' box checked before the .exe closes.

4. After running the installation you should be able to find 'Anaconda Prompt' in your 'Search' area.

If not, go to the 'Anaconda Navigator' that should have been launched in step 3d, find 'Anaconda Prompt' and click 'Launch' from there.

If neither is showing up, you have to start the installation again. First, you need to remove the anaconda3 folder — See last section of this document before proceeding.

5. If 'Anaconda Prompt' opened successfully, you now need to verify that conda and python are correctly installed. Type: `conda --version`
 - Conda 24.11.3 (or a later version) should be printed.
6. Then type `python --version`
 - Python 3.11.7 (or a later version) should be printed.
7. To create an environment type: `conda create -n codecamp python=3.12 -y`
 - Wait to see something like this (screenshot from MacOS - small differences may apply).

```
Downloading and Extracting Packages:
```

```
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#     $ conda activate testenv
#
# To deactivate an active environment, use
#
#     $ conda deactivate
```

8. Activate your environment by typing: `conda activate codecamp` (I have the name 'testenv' above because it is a different environment, your console should print 'codecamp' instead).
9. To ensure it worked, notice the difference between (base) and (testenv) [codecamp for you].

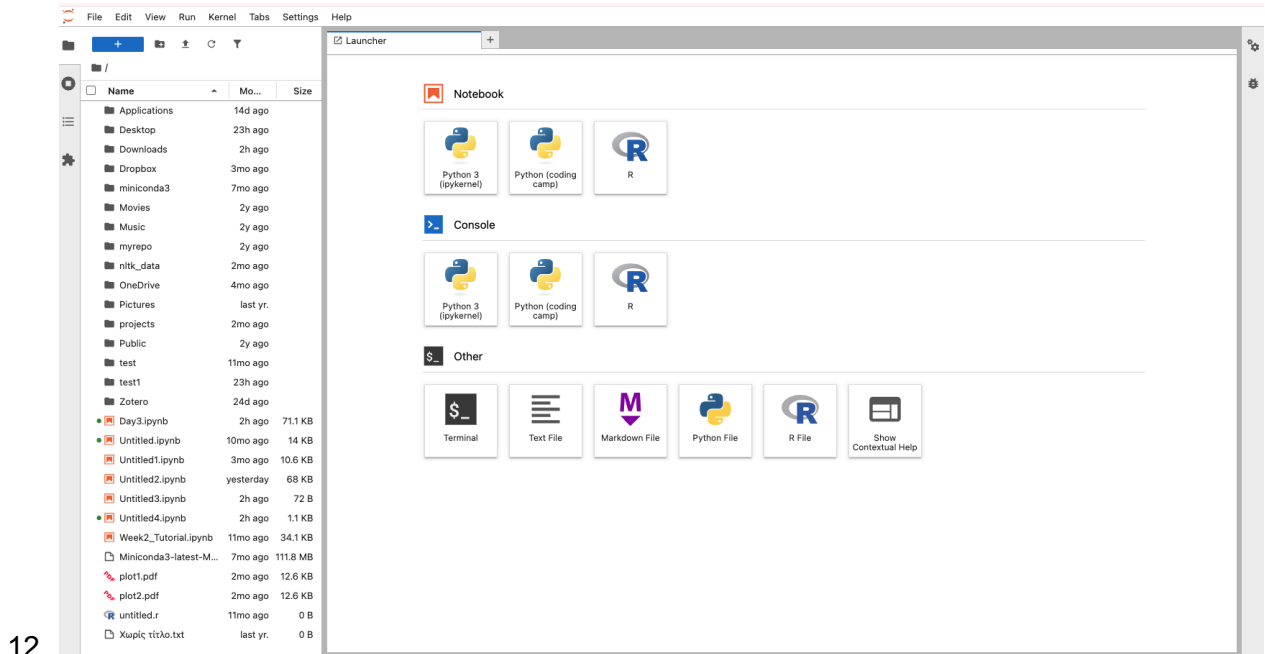
```
(base) elkarag@MacBook-Air-Eleni ~ % conda activate testenv
(testenv) elkarag@MacBook-Air-Eleni ~ % █
```

10. The next step is to install jupyter lab. Do this with the following steps:

- a. Type `conda install -y jupyterlab ipykernel`
- b. Open it by typing `jupyter lab`

- c. You might be prompted to choose a browser to open it - choose the one of your choice.

11. You should be able to see something like this:



If something does not work, do not panic. Check the spelling very carefully, as well as the specific typing of commands, spaces between words etc. Try copying and pasting the commands as written above.

If the problem persists, try to uninstall anaconda and go through the process again (see last section of this document).

If you are still facing issues, please contact me at karagiak@tcd.ie to arrange a quick meeting to resolve any remaining issues.

macOS

1. Go to <https://www.anaconda.com/download> and click on 'Get Started'. Connect via your TCD Gmail account (not necessarily, just quicker).
2. Click on the green button 'Download for Mac'. If your computer has an M1/M2/M3 chip, download the Apple Silicon version. If you have an Intel processor, download the Intel version.
 - a. To check if your MacBook has an Intel or Apple Silicon (like M2) chip, click the Apple menu in the top-left corner of your screen and select About This Mac.

Distribution Installers



For installation assistance, refer to [troubleshooting](#).

Windows	▼
Mac	▼
Linux	▼

3. Run the installer
 - You will be prompted to save it into a path with the folder 'anaconda3', do so.
 - The installation could take up to 15-20 minutes if your computer is a bit older or loaded with a lot of programs/files. Do not stop the installation. Only if it is taking more than that abort.
 - You should not have to follow the Windows instruction about 'Adding Anaconda to my PATH'
4. Open your Terminal. Steps 5 and 6 are to verify that everything is installed correctly.
5. Type: `conda --version`
 - Conda 24.11.3 (or a later version) should be printed.

6. Then type `python --version`

- Python 3.11.7 (or a later version) should be printed.

7. To create an environment type: `conda create -n codecamp python=3.12 -y`

- Wait to see something like this:

```
Downloading and Extracting Packages:

Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#     $ conda activate testenv
#
# To deactivate an active environment, use
#
#     $ conda deactivate
```

13. Activate your environment by typing: `conda activate codecamp` (I have the name 'testenv' above because it is a different environment, your console should print 'codecamp' instead).

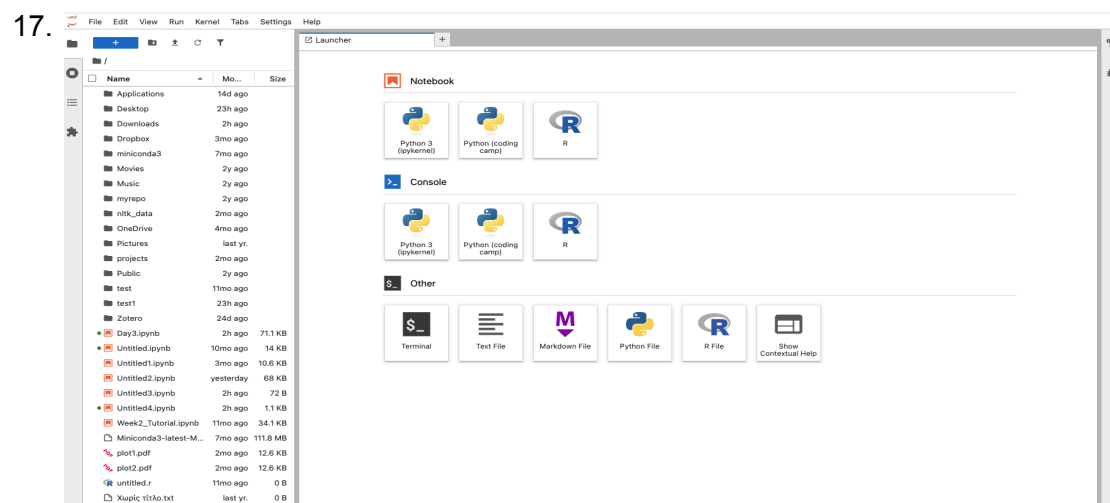
14. To ensure it worked, notice the difference between (base) and (testenv) [codecamp for you].

```
(base) elkarag@MacBook-Air-Eleni ~ % conda activate testenv
(testenv) elkarag@MacBook-Air-Eleni ~ %
```

15. The next step is to install jupyter lab. Do this with the following steps:

- Type `conda install -y jupyterlab ipykernel`
- Open it by typing `jupyter lab`
- You might be prompted to choose a browser to open it - choose the one of your choice.

16. You should be able to see something like this:



If something does not work, do not panic. Check the spelling very carefully, as well as the specific typing of commands, spaces between words etc. Try copying and pasting the commands as written above.

If the problem persists, try to uninstall anaconda and go through the process again (see last section of this document).

If you are still facing issues, please contact me at karagiae@tcd.ie to arrange a quick meeting and solve any remaining issues.

Uninstalling

In case you started the installation in class or before and things went sideways you can try, and should try, to uninstall everything and start from scratch.

To do this make sure to do the following:

1. Delete 'Anaconda' from the apps in your computer
 - a. Windows: Control Panel → Programs and Features → uninstall Anaconda
 - b. macOS: Applications → uninstall Anaconda
2. Delete the 'anaconda3' folder:
 - a. Windows: Users → <Your_username> → you should see a folder named 'anaconda3'. Delete it. It will take several minutes,
 - b. macOS: Open Finder. Go to your Home folder (the one with your username). You can go there quickly by pressing Shift + Command + H in Finder. You will find a folder names 'anaconda3'. Delete it. Empty your Bin too.
3. Start over!

I tried to include all problems that we faced today. If something else comes up, try using ChatGPT by copying and pasting your error message. It should be able to guide you to the solution. If this doesn't work out, please contact me.

Happy coding!