

FIT1043 Introduction to Data Science

Week 1: Installing Anaconda

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Installing Anaconda

Short Instructions

(Adapted from <https://docs.anaconda.com/anaconda/install/>)



What is Anaconda?

Anaconda is a FREE enterprise-ready Python distribution for data analytics, processing, and scientific computing. Anaconda comes with Python 3.8 and 100+ cross-platform tested and optimized Python packages. All of the usual Python ecosystem tools work with Anaconda.

System Requirements		
Linux	Windows	Mac OSX
32/64 bit Intel processor	32/64 bit Intel processor	64-bit Intel processor

Download from:

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

Download Anaconda

1. Go to Anaconda download page.
[\[https://www.anaconda.com/download/\]](https://www.anaconda.com/download/)
2. Pick the correct Operating System
(Windows/MacOS/Linux) as per your own device.
3. Click on the download link.

Anaconda Installers

Windows 	MacOS 	Linux 
Python 3.8	Python 3.8	Python 3.8
64-Bit Graphical Installer (457 MB)	64-Bit Graphical Installer (435 MB)	64-Bit (x86) Installer (529 MB)
32-Bit Graphical Installer (403 MB)	64-Bit Command Line Installer (428 MB)	64-Bit (Power8 and Power9) Installer (279 MB)

Installation

Detailed installation information can be found on the following links:

- Installing on Windows (Steps 1 to 15)
[\[https://docs.anaconda.com/anaconda/install/windows.html\]](https://docs.anaconda.com/anaconda/install/windows.html)
- Installing on macOS (Steps 1 to 10)
[\[https://docs.anaconda.com/anaconda/install/mac-os.html\]](https://docs.anaconda.com/anaconda/install/mac-os.html)

Note: You can *skip* the installation steps marked as “*Optional*” as we will not use those features of Anaconda during this course.

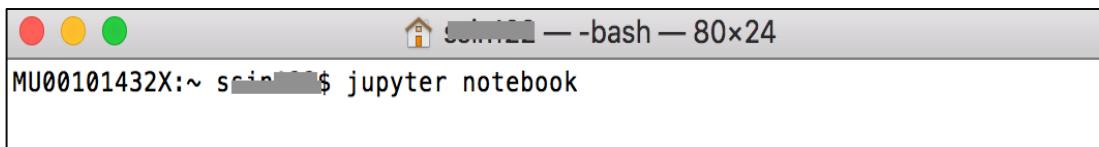
Some other useful installation videos:

- <https://youtu.be/2JeoNICcLOM> (MacOS)
- <https://youtu.be/a7Ylbn1ikF0> (Windows)

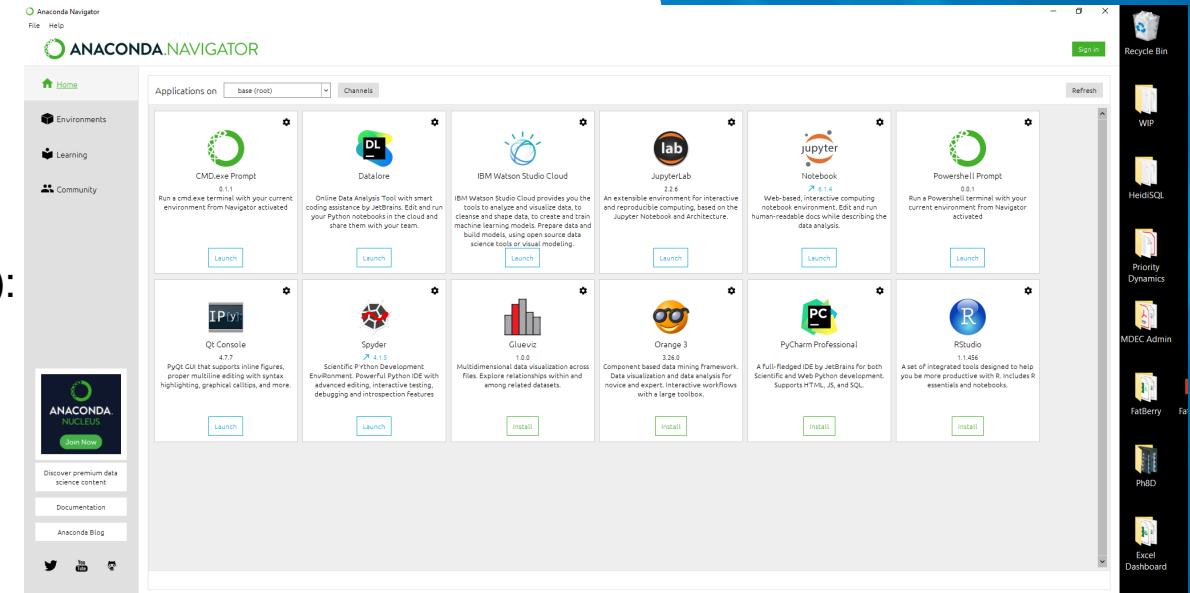
Running the Jupyter Notebook

Launching Jupyter Notebook App

- The [Jupyter Notebook App](#) can be launched by clicking on the Jupyter Notebook icon installed by Anaconda in the start menu (Windows) or by typing in a terminal (cmd on Windows):



```
MU00101432X:~ scin...$ jupyter notebook
```



Launching from the Anaconda Navigator

- From [Anaconda Navigator](#), you can launch several applications such as a QTconsole, the Spyder IDE, and a data visualization software called GlueViz etc. We are interested in the Jupyter Notebook application tab, which is shown boxed in red (on the right) :
- By clicking on 'Launch', you will instantiate a Jupyter notebook server which should open in a new window.

Use the Moodle Forum

Moodle Forum

Please use the discussion forum on Moodle to seek for help and support.

- If you think you are able to help your peer, please do. It will enhance your own confidence.
- The teaching team will not respond immediately in order to allow others to assist. Once someone has provided feedback, we may interject if there are extra knowledge or information that may be useful.