

Class 3 – Python Crash Course

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➔ Install Python with Anaconda

Anaconda:

- A distribution of python
- Includes Python and many other libraries
- All-in-one install

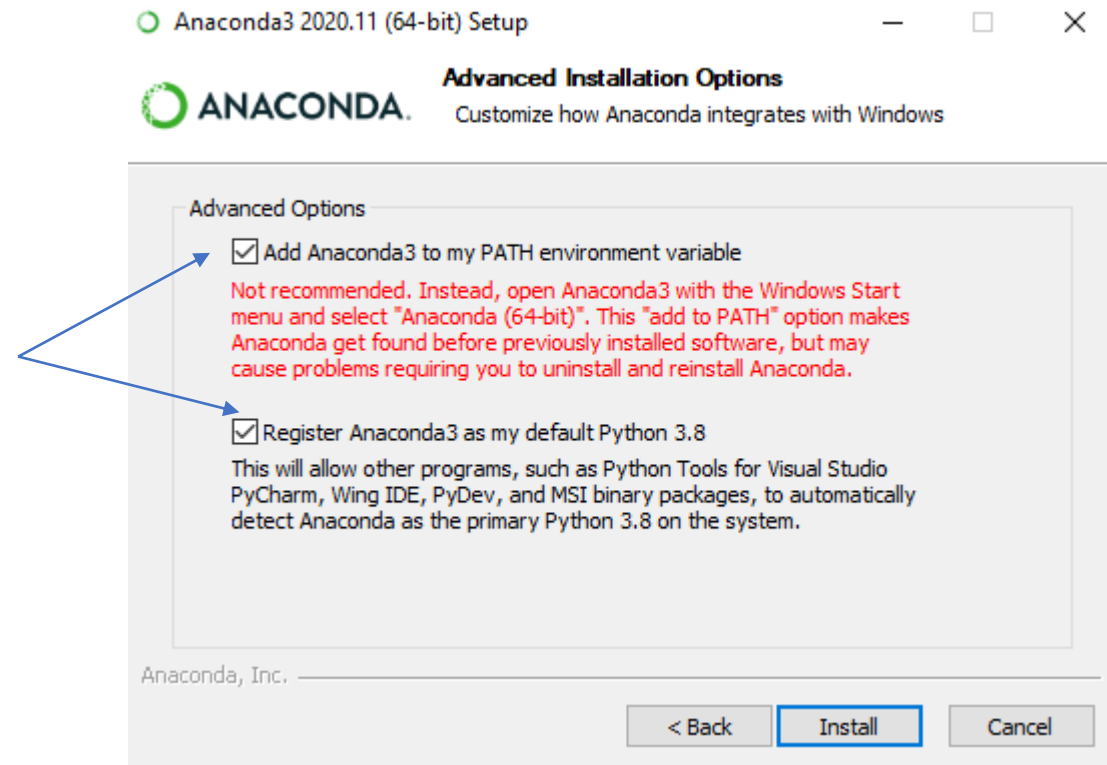
Jupyter:

- A development environment for writing code and markdown and display images
- Most popular IDE
- Best learning/teaching tool

➔ Install Python with Anaconda

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

1. Download the Anaconda Installer
2. Make sure checking both boxes
3. Search for Anaconda Navigator on your computer



➔ Data Science Libraries

- Numpy:
 - A Linear Algebra library for python.
 - Very fast (binding to C libraries)
 - Building block of almost all the libraries in the PyData ecosystem (Pandas, Scipy, Scikit-learn and etc).
- Pandas:
 - A library built on top of Numpy.
 - Allows for fast analysis and data cleaning
 - Has built-in visualization features
- Scikit-Learn:
 - Simple and efficient tools for predictive data analysis
 - Built on NumPy, SciPy, and matplotlib

➔ Data Science Libraries

- matplotlib:
 - Most popular plotting library for python.
 - Very similar to MATLAB's plotting.
- seaborn:
 - A statistical plotting library
 - Built on top of matplotlib
- To install any library:
 - conda install numpy
 - pip install numpy

➔ Where can I find the notebooks?

- All the Jupyter notebooks are available on my [GitHub](#) repository.