# Getting Started — Installation

## Installing Anaconda (mandatory for continuing with this module)

You will need various **Python packages** (or synonymously, **libraries**) for specific purposes.

Anaconda is an open-source distribution that simplifies package management and deployment. Package versions are managed by the package management system 'Conda'.

We strongly recommend using Anaconda to install Python as well as the packages, since it comes preloaded with most of the packages you'll need.

## Advantages of using Anaconda

1. Easy to manage and get started with most requirements for ML/AI problems
2. Anaconda comes with many libraries such as NumPy, OpenCV, SciPy, PyQt, the Spyder IDE, etc.

Anaconda can be downloaded from [anaconda.org](anaconda.org) and can be installed like any other normal software. There is no need to download Python separately; the Anaconda installer will do this for you. **Make sure you select Python 3.x while downloading Anaconda.**

**Note for experienced Python programmers:** In case you're already using Python along with an existing package manger such as pip or easy_install, you can continue to do so. However, make sure you're using Python 3.x.

## Jupyter Notebook

You'll use the Jupyter IPython Notebook as the main environment for writing Python code throughout this program. The main advantage of using Jupyter Notebook is that you can write both code and normal text (using the Markdown format in Jupyter) in the notebooks. These notebooks are easy to read and share and can even be used to present your work to others. [Here's a brief overview](#) of Jupyter Notebook.

The document given below provides instructions for installing Python and the Jupyter Notebook using Anaconda.

Also, refer to the document for help with installing Anaconda successfully. It is important to note that you need to install Python 3.x (the latest 3.x version available), not 2.x.

Please proceed to the next segment only installing Anaconda and the Jupyter notebook.

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📄 **Installing Python Using Anaconda Distribution**      ⬇ Download

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## Additional Reading

- [Jupyter Notebook quick start guide](#)