**Python Environments and IDEs**

We want a Python IDE/code editor for:

1. Learning
2. Development
3. **IDLE**

IDLE is installed by default when we install Python. Major features include the Python shell window, auto-completion, syntax highlighting, smart indentation and a basic integrated debugger. But, not optimum for larger projects.

1. **Sublime Text**

Popular code editor that supports many languages including Python. Fast, highly customizable and has a huge community. We can install packages such as debugging, auto-completion, code-linting, etc. There are also various packages for scientific development, Django, Flask and so on.

1. **Atom**

Similar as Sublime Text.

1. **PyCharm**

IDE for professional developers.

Provides all major features that a good IDE should provide:

code completion, code inspection, error-highlighting and fixes, debugging, version control system and code refactoring. It requires a computer with a larger RAM.

1. **Jupyter Notebook**

It’s an open source web application that allows us to create and share documents that contain live code, equations, visualizations and narrative text. Uses include: Data cleaning and transformation, numerical simulation, statistical modelling, data visualization, machine learning and much more.