

Python Eco-System

Discovering basic Python functionalities

Emilien Valat

September 9, 2022

University of Bristol, School of Economics

Python turns text to machine instructions

Python is a general programming language, aimed at being easily extended, simple and “fun” to use. As all programming languages, it translates textual information to machine-code. Add example: cmd prompt

Python can read from any text file...

Even though it can be used from the command prompt, longer programs require to be written on textual files. There is then a need of a text-editor (that can even be Notepad++) to write and run your code.
Add example: Notepad ++

But some are better than others

Many exist, and I recommend using Visual Studio Code, because it has more colours Add example: Spyder vs VSCode

Good code is understandable

Writing good program comes with writing readable scripts. As such, we like to visually understand what a script does. Add example: Methods, statements, types

As all programming languages, Python comes with syntax and semantics.
It has

- **Statements:** `import`, `if`, `while`, `try...`
- **Built-in functions:** `print`, `len`, `range...`
- **Types:** `str`, `int`, `float`, `list...`

Python Types - textual variables