

Our favourite modules

The Python Standard Library has a lot of modules! To help you get familiar with what's available, here are a selection of our favourite Python Standard Library modules and why we use them!

- [csv](#): very convenient for reading and writing csv files
- [collections](#): useful extensions of the usual data types including OrderedDict, defaultdict and namedtuple
- [random](#): generates pseudo-random numbers, shuffles sequences randomly and chooses random items
- [string](#): more functions on strings. This module also contains useful collections of letters like string.digits (a string containing all characters which are valid digits).
- [re](#): pattern-matching in strings via regular expressions
- [math](#): some standard mathematical functions
- [os](#): interacting with operating systems
- [os.path](#): submodule of os for manipulating path names
- [sys](#): work directly with the Python interpreter
- [json](#): good for reading and writing json files (good for web work)

We hope you find these useful!