Presentation

`numpy` is a Python package used in scientific computing. It handles numerical values with a mathematical approach.

`numpy` is **much faster** than native Python since most of `numpy` code is written in C (10 to 100 times faster).

`numpy` is stable, it benefits from a large online community.

When to use `numpy`?

You must use `numpy` for projects relying on large homogeneous data (i.e. same type data) or specific mathematical operations.

What not to do with `numpy`?

`numpy` is fast. Yet, one must avoid looping using `numpy`.In this part, some major `numpy` functions are presented, part of them make looping unnecessary.