NumPy

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Description

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1. What is NumPy?

NumPy is known as the fundamental package for scientific computing using the Python programming language.
NumPy provides the required functionalities to handle multidimensional arrays.

📚	**Python library**	
👤	**Typed N-Dimensional Arrays**	Fast and versatile, vectorization, indexing, and broadcasting the de-facto standards of array computing today.
🔢	**Numerical computing**	High-level mathematical functions, random number generators, linear algebra routines, Fourier transforms, and more
⚙️	**Performant**	Core: well-optimized C code; Compiled; High speed
▣	**Interoperable**	Supports a wide range of hardware and computing platforms, and plays well with distributed, GPU, and sparse array libraries
📱	**Easy to use**	
✓	**Open source**	

2. Presentation

Recorded Lecture:

- [NumPy](#)

Presentations:

- [SL_ISC_09_NumPy](#)

3. Tutorials

At this stage, we urge you to study the following online exercise to sharpen your NumPy skills:

- NumPy quickstart