

INTRODUCTION TO NUMPY

What is NumPy?

NumPy is the fundamental package for scientific computing with Python. It contains among other things:

- a powerful N-dimensional array object
- sophisticated (broadcasting) functions
- tools for integrating C/C++ and Fortran code
- useful linear algebra, Fourier transform, and random number capabilities

Objectives

There are 16 problems in a notebook, that can be solved using numpy functions. The notebook is in the form of hollow functions that are to be filled in.

The doc string of each function contains information about the expected output of the function.

Few relevant links for the assignment:

[Getting Started with numpy](#)

[NumPy Documentation](#)