

Fundamentos de Machine Learning para Geometalurgia Numpy

24 de abril al 4 de mayo 2023

Agenda

Machine Learning basis



Case study

**Univariate
Exploratory Data Analysis (EDA)**

Data Preparation

**Regression model (proxy) for
geometallurgical parameter A_i**

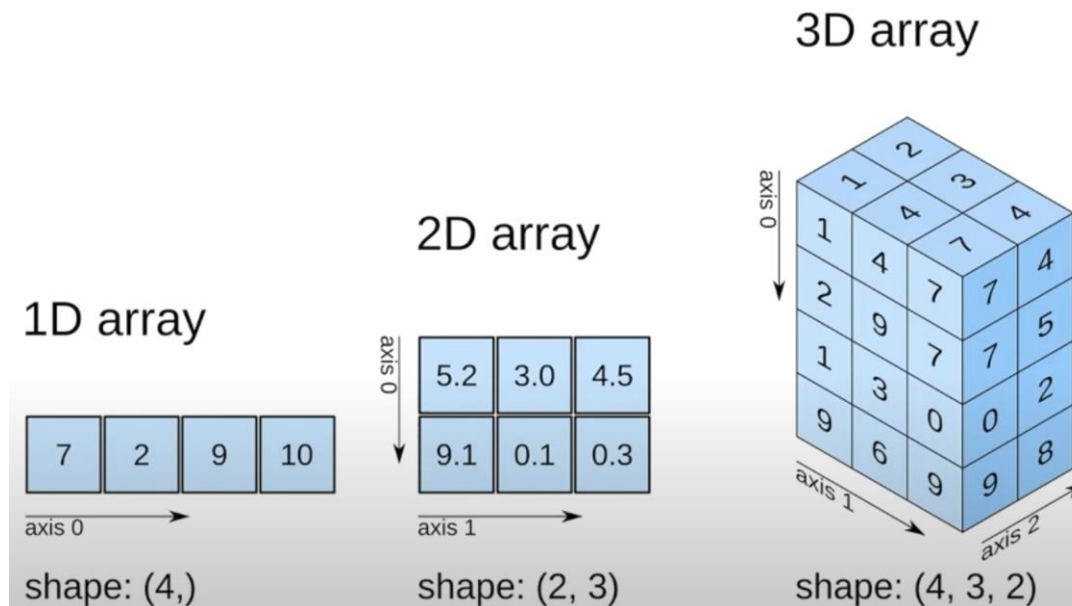
Numpy

NumPy (**N**umerical **P**ython) is a library for Python, adding support for large, multi-dimensional arrays and matrices, along with a large collection of high-level mathematical functions to operate on these arrays.

It's the universal standard for working with numerical data in Python. NumPy used in almost every field of science and engineering.

Array

Central data structure of the NumPy library. An array is a grid of values and it contains information about the raw data, how to locate an element, and how to interpret an element.



Array

NumPy arrays are faster and uses much less memory to store data than Python lists. While a Python list can contain different data types within a single list, all of the elements in a NumPy array should be homogeneous.



NumPy official documentation

<https://www.numpy.org/>

