

# Fundamentos de Machine Learning para Geometalurgia

## Matplotlib: Visualization with Python

24 de abril al 4 de mayo 2023

# Agenda

## Machine Learning basis



## Case study

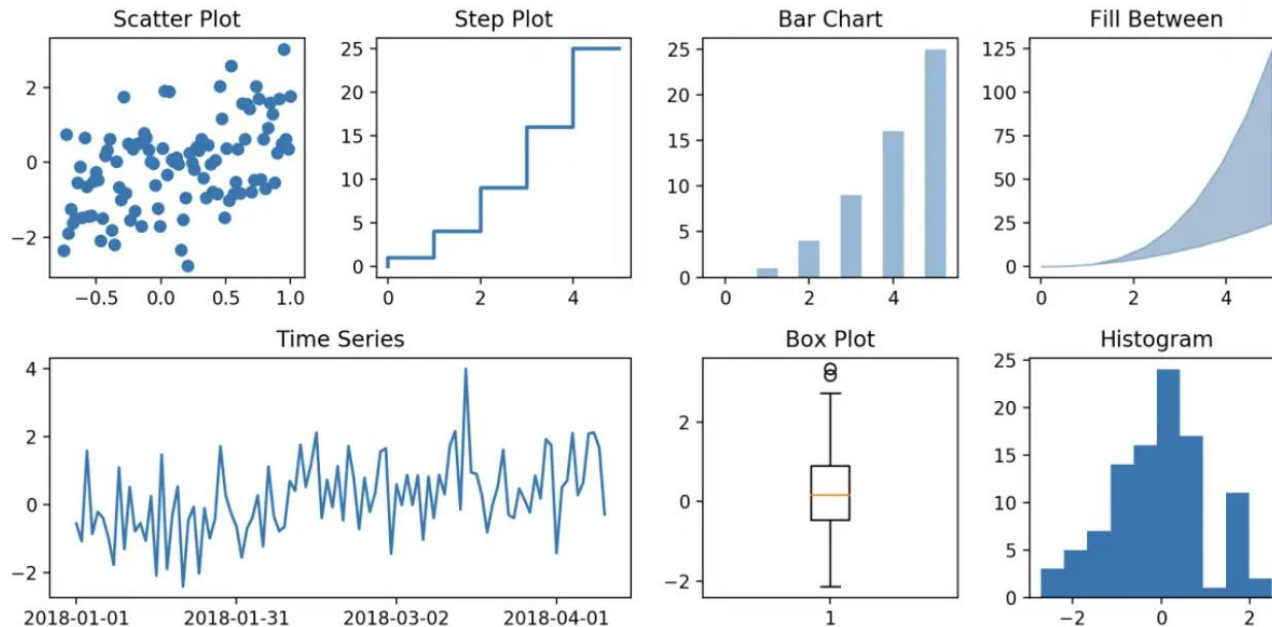
**Univariate  
Exploratory Data Analysis (EDA)**

**Data Preparation**

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

# Matplotlib

Comprehensive library for creating static, animated, and interactive visualizations for Python and its numerical extension NumPy.

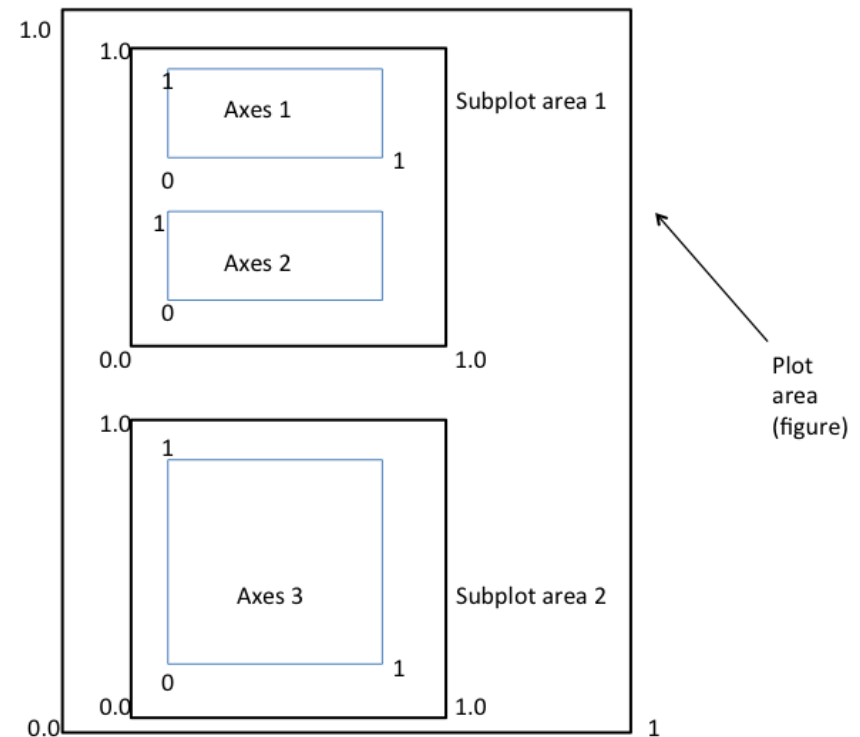


Source: <https://matplotlib.org/>

# Figure and Axes

A **Figure** is the outermost container for a matplotlib graphic, which can contain multiple **Axes**.

Figure is a “canvas” that holds all the subplots. A figure can have one or more subplots inside it called (axes), arranged in rows and columns.



Source: <https://matplotlib.org/>

# Matplotlib official documentation

<https://matplotlib.org/>

