

# Ejemplo.Matplotlib1

February 8, 2024

```
[2]: !pip install matplotlib
```

```
Collecting matplotlib
  Using cached matplotlib-3.8.2-cp310-cp310-
manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (5.8 kB)
Requirement already satisfied: contourpy>=1.0.1 in
/home/reroes/entornos/envpy310-ia-maestria/lib/python3.10/site-packages (from
matplotlib) (1.2.0)
Collecting cyclor>=0.10 (from matplotlib)
  Using cached cyclor-0.12.1-py3-none-any.whl.metadata (3.8 kB)
Collecting fonttools>=4.22.0 (from matplotlib)
  Using cached fonttools-4.47.2-cp310-cp310-
manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (157 kB)
Collecting kiwisolver>=1.3.1 (from matplotlib)
  Using cached kiwisolver-1.4.5-cp310-cp310-
manylinux_2_12_x86_64.manylinux2010_x86_64.whl.metadata (6.4 kB)
Requirement already satisfied: numpy<2,>=1.21 in
/home/reroes/entornos/envpy310-ia-maestria/lib/python3.10/site-packages (from
matplotlib) (1.26.3)
Requirement already satisfied: packaging>=20.0 in
/home/reroes/entornos/envpy310-ia-maestria/lib/python3.10/site-packages (from
matplotlib) (23.2)
Requirement already satisfied: pillow>=8 in /home/reroes/entornos/envpy310-ia-
maestria/lib/python3.10/site-packages (from matplotlib) (10.2.0)
Collecting pyparsing>=2.3.1 (from matplotlib)
  Using cached pyparsing-3.1.1-py3-none-any.whl.metadata (5.1 kB)
Requirement already satisfied: python-dateutil>=2.7 in
/home/reroes/entornos/envpy310-ia-maestria/lib/python3.10/site-packages (from
matplotlib) (2.8.2)
Requirement already satisfied: six>=1.5 in /home/reroes/entornos/envpy310-ia-
maestria/lib/python3.10/site-packages (from python-dateutil>=2.7->matplotlib)
(1.16.0)
Using cached
matplotlib-3.8.2-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl
(11.6 MB)
Using cached cyclor-0.12.1-py3-none-any.whl (8.3 kB)
Using cached
fonttools-4.47.2-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (4.6
```

MB)

Using cached

kiwisolver-1.4.5-cp310-cp310-manylinux\_2\_12\_x86\_64.manylinux2010\_x86\_64.whl (1.6 MB)

Using cached pyparsing-3.1.1-py3-none-any.whl (103 kB)

Installing collected packages: pyparsing, kiwisolver, fonttools, cyclcr, matplotlib

Successfully installed cyclcr-0.12.1 fonttools-4.47.2 kiwisolver-1.4.5 matplotlib-3.8.2 pyparsing-3.1.1

```
[3]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
import scipy as sp
```

```
[5]: x = range(100)
y = x
plt.grid(True, linewidth=2)
plt.xlabel("valores de las (x)", fontsize = 20)
plt.ylabel("valores de las (y)", fontsize = 20)
plt.title(u"Título de la gráfica", fontsize = 30)
plt.text(20,20, u"Más texto", fontsize=14)
plt.text(40,80, u"Más texto - 2", fontsize=14)

a = plt.plot(x,y, 'm--')
```



[6]: a

[6]: [<matplotlib.lines.Line2D at 0x7fa7223efe50>]

[ ]: