

MATERIA
MÉTODOS NUMÉRICOS

TEMA
REPORTE DE ACTIVIDADES

ESTUDIANTE
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DOCENTE
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FECHA DE ENTREGA
02 DE MAYO DEL 2020



1.-aquí podemos observar que estamos instalando las librerías matplotlib y numpy, las instalamos por medio del símbolo del sistema y se descargan.

```
Símbolo del sistema
Microsoft Windows [Versión 10.0.18362.778]
(c) 2019 Microsoft Corporation. Todos los derechos reservados.

C:\Users\HP>py -m pip install numpy
Collecting numpy
  Downloading https://files.pythonhosted.org/packages/52/2c/bf86d762ae65558dc8a7ab8381ba610bb69af6db619b3755f2b73052ceb9/numpy-1.18.4-cp38-cp38-win32.whl (10.8MB)
    10.8MB 218kB/s
Installing collected packages: numpy
  WARNING: The script #py.exe is installed in 'C:\Users\HP\AppData\Local\Programs\Python\Python38-32\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed numpy-1.18.4
WARNING: You are using pip version 19.2.3, however version 20.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

C:\Users\HP>pip install matplotlib
Requirement already satisfied: matplotlib in c:\users\hp\anaconda3\lib\site-packages (3.1.1)
Requirement already satisfied: cycler>=0.10 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (0.10.0)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (1.1.0)
Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.1 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (2.4.2)
Requirement already satisfied: python-dateutil>=2.1 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (2.8.0)
Requirement already satisfied: numpy>=1.11 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (1.16.5)
Requirement already satisfied: six in c:\users\hp\anaconda3\lib\site-packages (from cycler>=0.10->matplotlib) (1.12.0)
Requirement already satisfied: setuptools in c:\users\hp\anaconda3\lib\site-packages (from kiwisolver>=1.0.1->matplotlib) (41.4.0)

C:\Users\HP>Conda install matplotlib
Collecting package metadata (current_repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\Users\HP\Anaconda3

  added / updated specs:
    - matplotlib

The following packages will be downloaded:

  package | build | size
  -----|-----|-----
  conda-4.8.3 | py37_0 | 2.8 MB
  -----|-----|-----
  Total: | 2.8 MB
```

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  -----|-----|-----
  conda-4.8.3 | py37_0 | 2.8 MB
  -----|-----|-----
  Total: | 2.8 MB

The following packages will be UPDATED:

  conda | 4.7.12-py37_0 --> 4.8.3-py37_0

Proceed ([y]/n)? y

Downloading and Extracting Packages
conda-4.8.3 | 2.8 MB | ##### | 100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
```

2.- aquí hicimos un ejercicio con una librería que instalamos lo hacemos en la aplicación de Spyder de python.

