

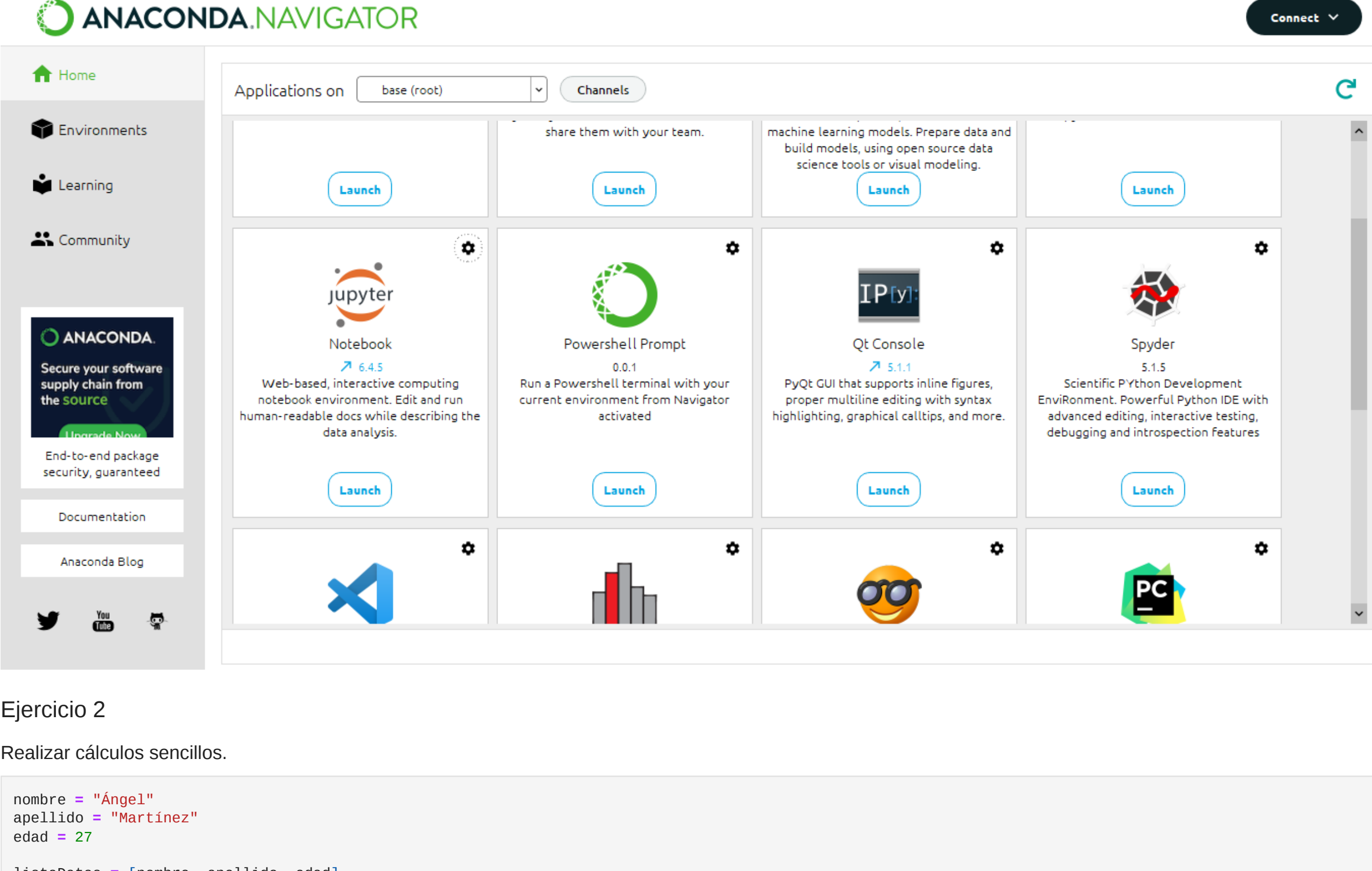
Ángel Martínez

Sprint 1

Nivel 1

Ejercicio 1

Instalar Anaconda con Python 3 y Jupyter Notebook



Ejercicio 2

Realizar cálculos sencillos.

```
In [14]: nombre = "Ángel"
apellido = "Martínez"
edad = 27

listadatos = [nombre, apellido, edad]

print(listadatos)

['Ángel', 'Martínez', 27]

In [ ]: x = 5
y = 10

print(x + y)

In [13]: x = 25.5
y = 50.5

print(x * y)

1287.75
```

Ejercicio 3

Crear títulos, listas, añadir imágenes, etc.



```
In [1]: pip install jupyterthemes

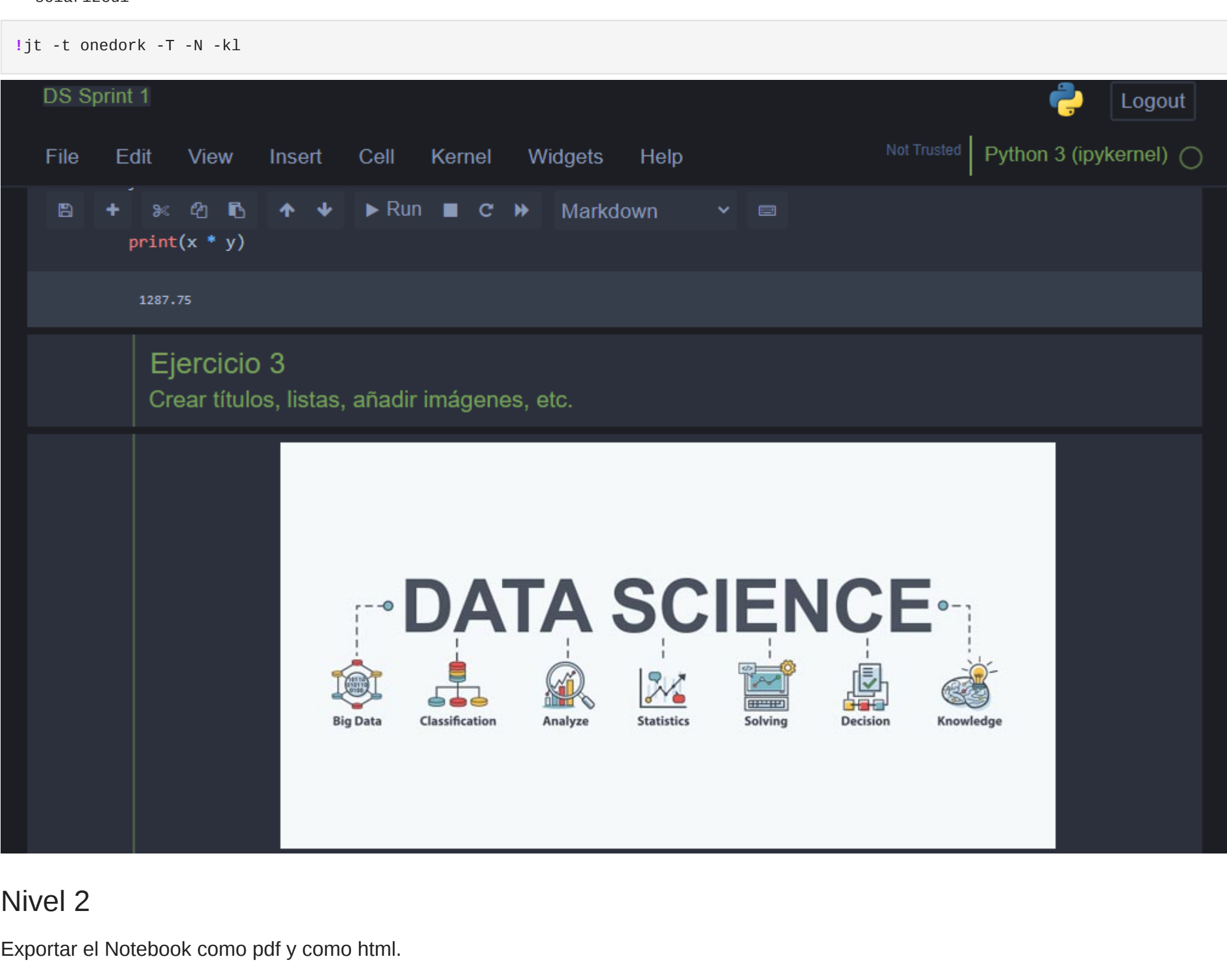
Collecting jupyterthemes
  Downloading jupyterthemes-0.20.0-py2.py3-none-any.whl (7.0 MB)
Requirement already satisfied: matplotlib>=1.4.3 in c:\users\angel\anaconda3\lib\site-packages (from jupyterthemes) (3.4.3)
Requirement already satisfied: notebook>=5.6.0 in c:\users\angel\anaconda3\lib\site-packages (from jupyterthemes) (6.4.5)
Requirement already satisfied: jupyter-core in c:\users\angel\anaconda3\lib\site-packages (from jupyterthemes) (4.8.1)
Collecting lesscpy>=0.11.2
  Downloading lesscpy-0.15.0-py2.py3-none-any.whl (46 kB)
Requirement already satisfied: ipython>=5.4.1 in c:\users\angel\anaconda3\lib\site-packages (from jupyterthemes) (7.29.0)
Requirement already satisfied: traitlets>=4.2 in c:\users\angel\anaconda3\lib\site-packages (from ipython>=5.4.1->jupyterthemes) (5.1.0)
Requirement already satisfied: decorator in c:\users\angel\anaconda3\lib\site-packages (from ipython>=5.4.1->jupyterthemes) (5.1.0)
Requirement already satisfied: matplotlib-inline in c:\users\angel\anaconda3\lib\site-packages (from ipython>=5.4.1->jupyterthemes) (0.1.2)
Requirement already satisfied: pickleshare in c:\users\angel\anaconda3\lib\site-packages (from ipython>=5.4.1->jupyterthemes) (0.7.5)
Requirement already satisfied: backcall in c:\users\angel\anaconda3\lib\site-packages (from ipython>=5.4.1->jupyterthemes) (0.2.0)
Requirement already satisfied: pygments in c:\users\angel\anaconda3\lib\site-packages (from ipython>=5.4.1->jupyterthemes) (2.10.0)
Requirement already satisfied: setuptools>=18.5 in c:\users\angel\anaconda3\lib\site-packages (from ipython>=5.4.1->jupyterthemes) (58.0.4)
Requirement already satisfied: prompt-toolkit<=3.0.0,!=3.0.1,<3.1.0,>=2.0.0 in c:\users\angel\anaconda3\lib\site-packages (from ipython>=5.4.1->jupyterthemes) (3.0.29)
Requirement already satisfied: colorama in c:\users\angel\anaconda3\lib\site-packages (from ipython>=5.4.1->jupyterthemes) (0.4.4)
Requirement already satisfied: jedi>=0.16 in c:\users\angel\anaconda3\lib\site-packages (from ipython>=5.4.1->jupyterthemes) (0.18.0)
Requirement already satisfied: parso<0.9.0,>=0.8.0 in c:\users\angel\anaconda3\lib\site-packages (from jedi>=0.16->ipython>=5.4.1->jupyterthemes) (0.8.2)
Requirement already satisfied: ply in c:\users\angel\anaconda3\lib\site-packages (from lesscpy>=0.11.2->jupyterthemes) (3.11)
Requirement already satisfied: six in c:\users\angel\anaconda3\lib\site-packages (from lesscpy>=0.11.2->jupyterthemes) (1.16.0)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\angel\anaconda3\lib\site-packages (from matplotlib>=1.4.3->jupyterthemes) (3.0.4)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\angel\anaconda3\lib\site-packages (from matplotlib>=1.4.3->jupyterthemes) (1.3.1)
Requirement already satisfied: numpy>=1.16 in c:\users\angel\anaconda3\lib\site-packages (from matplotlib>=1.4.3->jupyterthemes) (1.20.3)
Requirement already satisfied: pillow>=6.2.0 in c:\users\angel\anaconda3\lib\site-packages (from matplotlib>=1.4.3->jupyterthemes) (8.4.0)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\angel\anaconda3\lib\site-packages (from matplotlib>=1.4.3->jupyterthemes) (2.8.2)
Requirement already satisfied: cycler>=0.10 in c:\users\angel\anaconda3\lib\site-packages (from matplotlib>=1.4.3->jupyterthemes) (0.10.0)
Requirement already satisfied: nbformat in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (5.1.3)
Requirement already satisfied: nbconvert in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (6.1.0)
Requirement already satisfied: prometheus-client in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (0.11.0)
Requirement already satisfied: tornado>=6.1 in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (6.1)
Requirement already satisfied: terminado>=0.8.3 in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (0.9.4)
Requirement already satisfied: pyzmq>=17 in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (22.2.1)Note: you may need to res
tart the kernel to use updated packages.

Requirement already satisfied: ipython-genutils in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (0.2.0)
Requirement already satisfied: argon2-cffi in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (20.1.0)
Requirement already satisfied: Jinja2 in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (2.11.3)
Requirement already satisfied: ipykernel in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (6.4.1)
Requirement already satisfied: jupyter-client>=5.3.4 in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (6.1.12)
Requirement already satisfied: Send2Trash>=1.5.0 in c:\users\angel\anaconda3\lib\site-packages (from notebook>=5.6.0->jupyterthemes) (1.8.0)
Requirement already satisfied: pywin32>=1.0 in c:\users\angel\anaconda3\lib\site-packages (from jupyter-core->jupyterthemes) (228)
Requirement already satisfied: wcwidth in c:\users\angel\anaconda3\lib\site-packages (from prompt-toolkit<=3.0.0,!=3.0.1,<3.1.0,>=2.0.0->ipython>=5.4.1->jupyt
erthemes) (0.2.5)
Requirement already satisfied: pywinpty>=0.5 in c:\users\angel\anaconda3\lib\site-packages (from terminado>=0.8.3->notebook>=5.6.0->jupyterthemes) (0.5.7)
Requirement already satisfied: cffi>=1.8.0 in c:\users\angel\anaconda3\lib\site-packages (from argon2-cffi->notebook>=5.6.0->jupyterthemes) (1.14.6)
Requirement already satisfied: pycparser in c:\users\angel\anaconda3\lib\site-packages (from cffi>=1.8.0->argon2-cffi->notebook>=5.6.0->jupyterthemes) (2.20)
Requirement already satisfied: debugpy>2.0,>=1.0.0 in c:\users\angel\anaconda3\lib\site-packages (from ipykernel->notebook>=5.6.0->jupyterthemes) (1.4.1)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\angel\anaconda3\lib\site-packages (from Jinja2->notebook>=5.6.0->jupyterthemes) (1.1.1)
Requirement already satisfied: mistune>2,>=0.8.1 in c:\users\angel\anaconda3\lib\site-packages (from nbconvert->notebook>=5.6.0->jupyterthemes) (0.8.4)
Requirement already satisfied: pandocfilters>=1.4.1 in c:\users\angel\anaconda3\lib\site-packages (from nbconvert->notebook>=5.6.0->jupyterthemes) (0.1.2)
Requirement already satisfied: defusedxml in c:\users\angel\anaconda3\lib\site-packages (from nbconvert->notebook>=5.6.0->jupyterthemes) (0.7.1)
Requirement already satisfied: bleach in c:\users\angel\anaconda3\lib\site-packages (from nbconvert->notebook>=5.6.0->jupyterthemes) (4.0.0)
Requirement already satisfied: entrypoints>=0.2.2 in c:\users\angel\anaconda3\lib\site-packages (from nbconvert->notebook>=5.6.0->jupyterthemes) (0.3)
Requirement already satisfied: nbclient<0.6.0,>=0.5.0 in c:\users\angel\anaconda3\lib\site-packages (from nbconvert->notebook>=5.6.0->jupyterthemes) (0.5.3)
Requirement already satisfied: testpath in c:\users\angel\anaconda3\lib\site-packages (from nbconvert->notebook>=5.6.0->jupyterthemes) (0.5.0)
Requirement already satisfied: async-generator in c:\users\angel\anaconda3\lib\site-packages (from nbclient<0.6.0,>=0.5.0->nbconvert->notebook>=5.6.0->jupyt
erthemes) (1.10)
Requirement already satisfied: nest-asyncio in c:\users\angel\anaconda3\lib\site-packages (from nbclient<0.6.0,>=0.5.0->nbconvert->notebook>=5.6.0->jupyt
erthemes) (1.5.1)
Requirement already satisfied: jsonschema<2.5.0,>=2.4 in c:\users\angel\anaconda3\lib\site-packages (from nbformat->notebook>=5.6.0->jupyterthemes) (3.2.0)
Requirement already satisfied: pyrsistent>=0.14.0 in c:\users\angel\anaconda3\lib\site-packages (from jsonschema<2.5.0,>=2.4->nbformat->notebook>=5.6.0->jup
yterthemes) (0.18.0)
Requirement already satisfied: attrs>=17.4.0 in c:\users\angel\anaconda3\lib\site-packages (from jsonschema<2.5.0,>=2.4->nbformat->notebook>=5.6.0->jupyt
erthemes) (21.2.0)
Requirement already satisfied: webencodings in c:\users\angel\anaconda3\lib\site-packages (from bleach->nbconvert->notebook>=5.6.0->jupyterthemes) (0.5.1)
Requirement already satisfied: packaging in c:\users\angel\anaconda3\lib\site-packages (from bleach->nbconvert->notebook>=5.6.0->jupyterthemes) (21.0)
Installing collected packages: lesscpy, jupyterthemes
Successfully installed jupyterthemes-0.20.0 lesscpy-0.15.0

In [2]: !jt -l

Available Themes:
chesterish
grade3
gruvboxd
gruvboxl
monokai
oceanic16
onedork
solarizedd
solarizedl

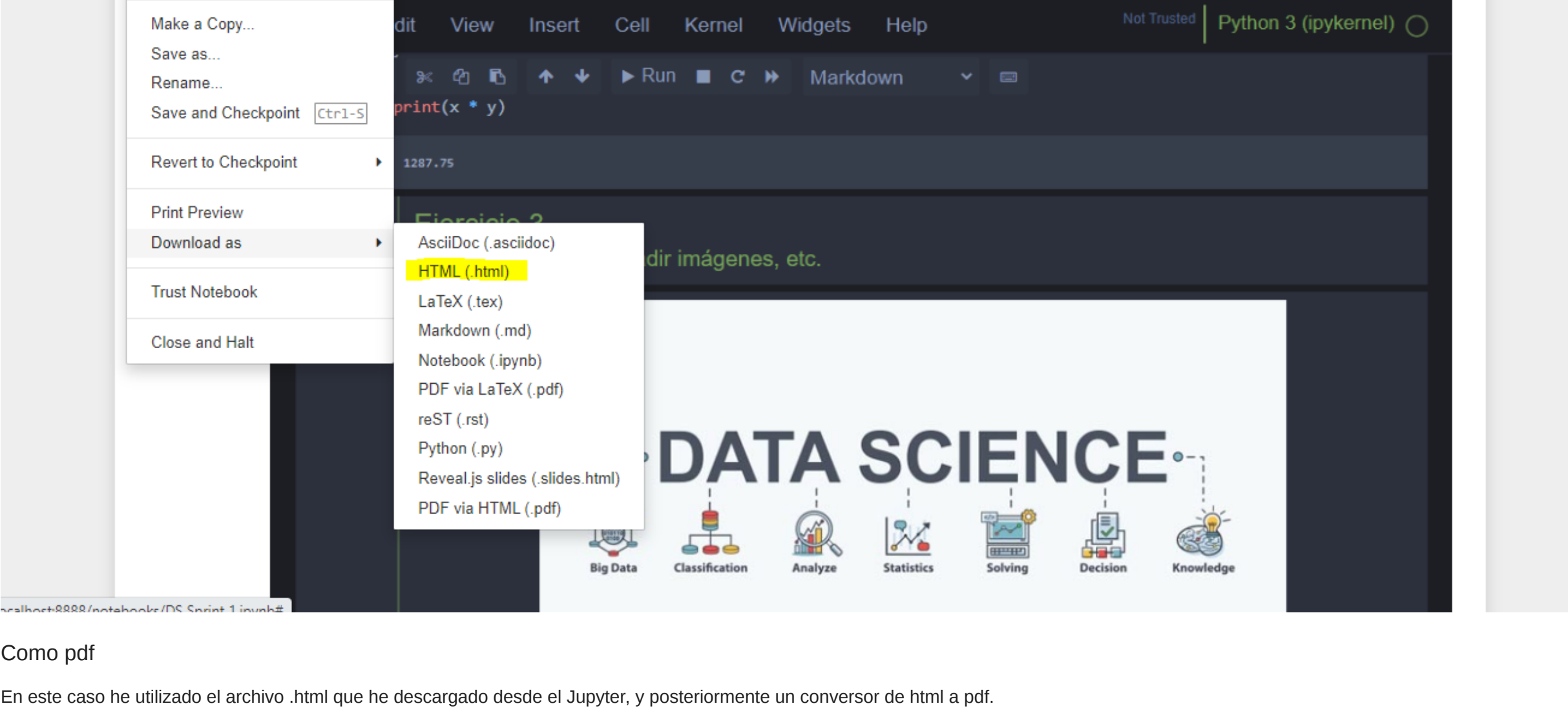
In [3]: !jt -t onedork -T -N -kl
```



Nivel 2

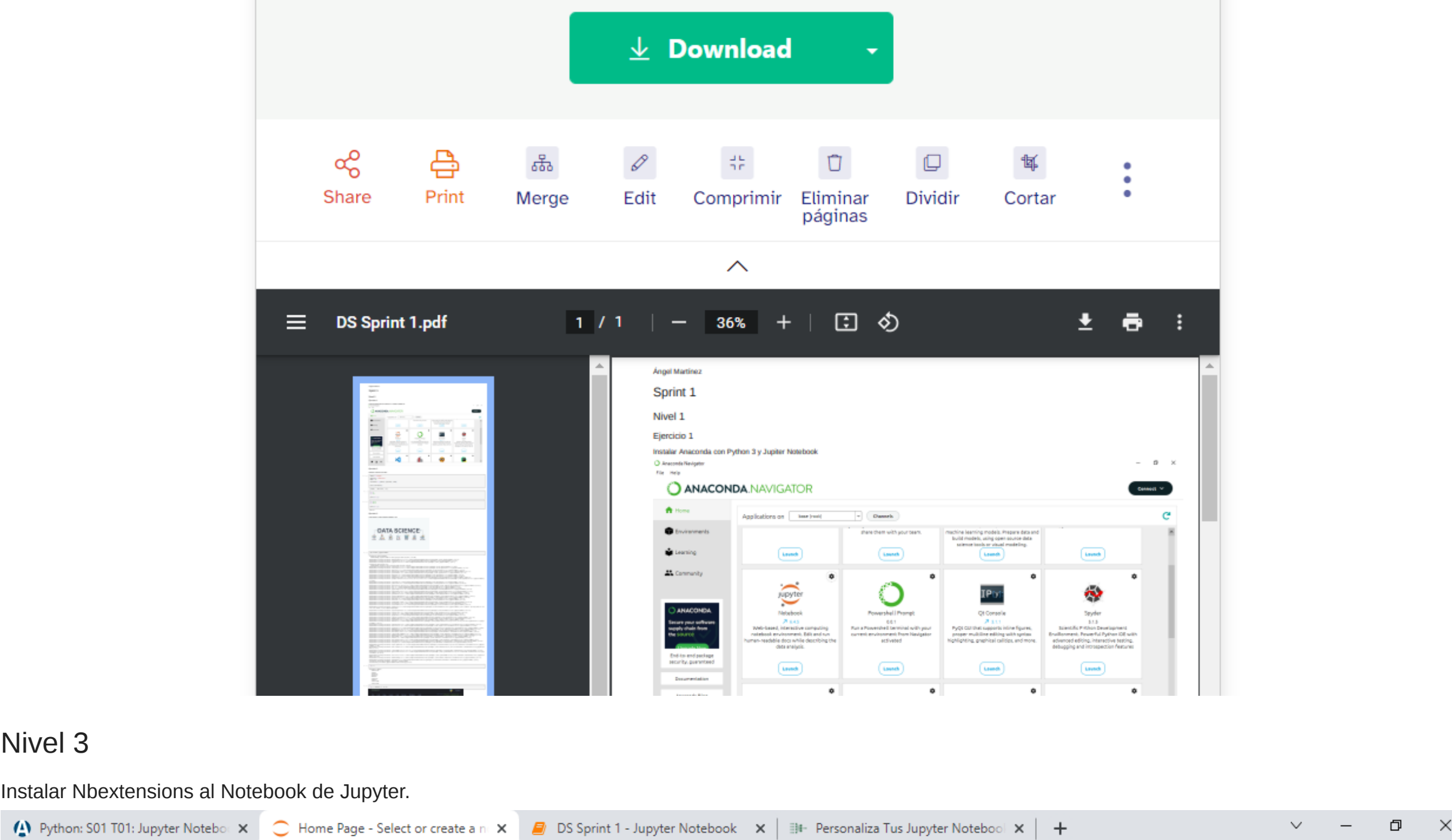
Exportar el Notebook como pdf y como html.

Como html



Como pdf

En este caso he utilizado el archivo .html que he descargado desde el Jupyter, y posteriormente un conversor de html a pdf.



Nivel 3

Instalar Nbextensions al Notebook de Jupyter.

