

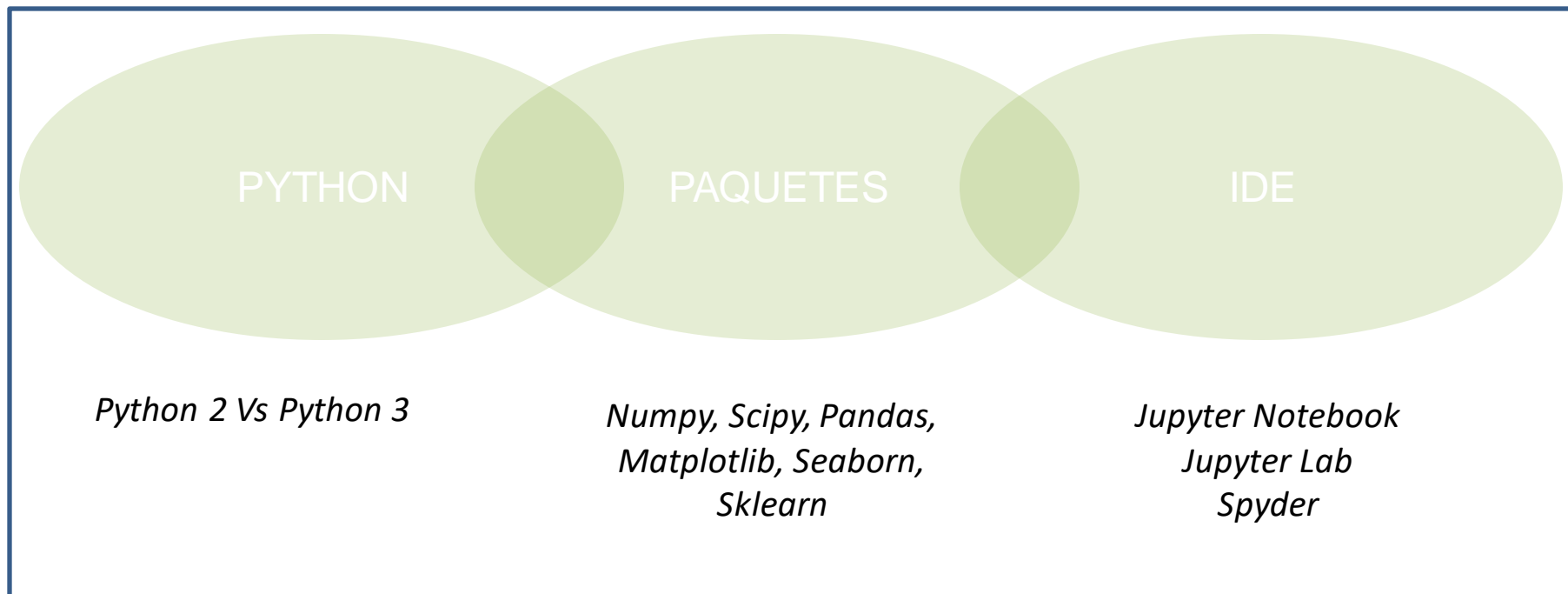
A top-down view of a person's hands typing on a silver laptop. The laptop screen displays a presentation slide with a pink and green abstract background. The slide contains the text: 'Me stand on', 'CREATIVE CAMPAIGNS Presentations are tools.', 'UNIQUE CONCEPTS Presentations are tools.', 'DIRECT BUSINESS IMPACT Presentations are tools.', and 'RESEARCH'. A yellow banner with white text is overlaid on the right side of the laptop. The background is a white marble desk with various items like glasses, a mouse, and a small plant.

Configuración del entorno para hacer Data Science con Python



PYTHON DATA SCIENCE MASTERY

¿Qué necesitamos para hacer Data Science con Python?



DISTRIBUCIÓN:

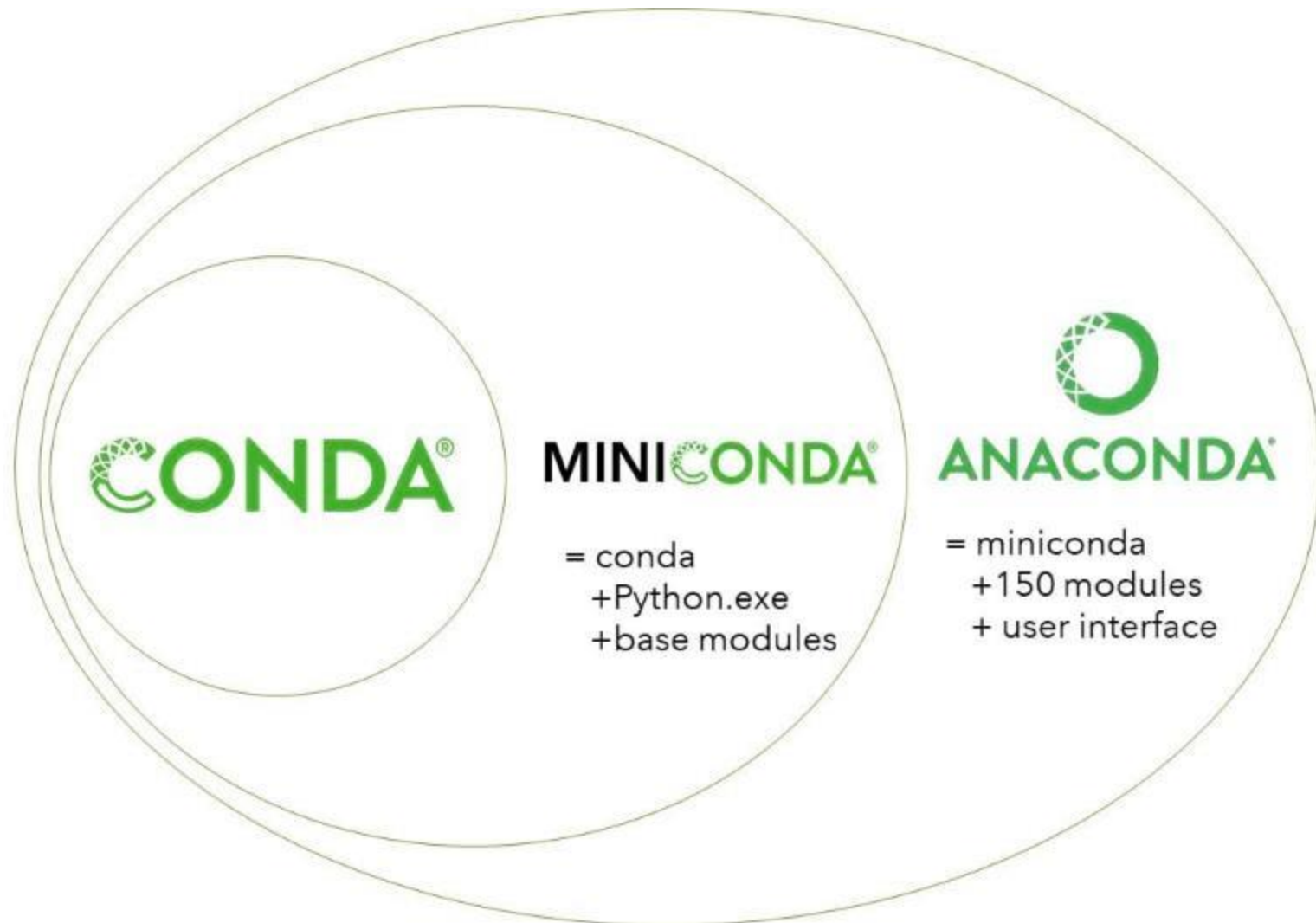


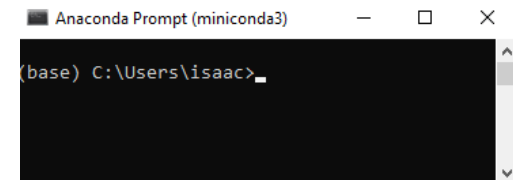
*Todo lo anterior más
un gestor de entornos
y paquetes:*



*Para una instalación
personalizada:*







GESTIONAR ENTORNOS

- *Crear, eliminar, exportar, ...*
- *¿Qué son?*
- *¿Para qué se usan?*
- *environment.yml*
- *Conda Vs Virtualenv*

GESTIONAR PAQUETES

- *Instalar, actualizar, ...*
- *¿Qué son los paquetes?*
- *¿Qué son los canales?*
- *Conda Vs Pip*



INSTALAR MINICONDA

- <https://docs.conda.io/en/latest/miniconda.html>

Windows installers

Python version	Name	Size	SHA
Python 3.9	Miniconda3 Windows 64-bit	54.9 MiB	9c2ef76bae97246c85c206733ca30fd1feb8a4b3f90a2a511fea681ce7ebc66
	Miniconda3 Windows 32-bit	54.9 MiB	6973025404832944e074bf02bda8c4594980eed4707bb51baa8fbdab4bf326
Python 3.8	Miniconda3 Windows 64-bit	57.0 MiB	c8049d26f8b6b954b57bcd4e99ad72d1ffa13f4a6b218e64e641504437b2617
	Miniconda3 Windows 32-bit	54.2 MiB	9c2ef76bae97246c85c206733ca30fd1feb8a4b3f90a2a511fea681ce7ebc66
Python 2.7	Miniconda2 Windows 64-bit	54.1 MiB	6973025404832944e074bf02bda8c4594980eed4707bb51baa8fbdab4bf326
	Miniconda2 Windows 32-bit	47.7 MiB	c8049d26f8b6b954b57bcd4e99ad72d1ffa13f4a6b218e64e641504437b2617

Para saber si es 64 o 32

- Panel de control
- Sistema y seguridad
- Sistema

→ Especificaciones del dispositivo

Nombre del dispositivo	MSI
Procesador	Intel(R) Core(TM) i7-9750H CPU @ 2.60GHz 2.60 GHz
RAM instalada	32.0 GB (31,8 GB usable)
Identificador de dispositivo	812AF79C-849E-4264-9BEE-E7C8B6B5E5A4
Id. del producto	00330-52439-96355-AAOEM
Tipo de sistema	Sistema operativo de 64 bits, procesador basado en x64
Lápiz y entrada táctil	La entrada táctil o manuscrita no está disponible para esta pantalla

MacOSX installers

MacOSX

Python version	Name	Size	SHA256 hash
Python 3.9	Miniconda3 MacOSX 64-bit bash	42.2 MiB	b3bf77cbb81ee235ec6858146a2a84d20f8ecdeb614678030c39baac5
	Miniconda3 MacOSX 64-bit pkg	49.7 MiB	298ff80803817921a98e21d81d60f93b44afce67aec8ae492d289b13741bcffe
Python 3.8	Miniconda3 MacOSX 64-bit bash	54.5 MiB	a9ea0afba55b5d872e01323d495b649eac8ff4ce2ea098fb4c357b6139fe6478
	Miniconda3 MacOSX 64-bit pkg	62.0 MiB	b06f3bf3cffa9b53695c9c3b8da05bf583bc7047d45b0d74492f154d85e317fa
Python 2.7	Miniconda2 MacOSX 64-bit bash	40.3 MiB	0e2961e20a2239c140766456388beba6630f0c869020d2bd1870c3d040980b45
	Miniconda2 MacOSX 64-bit pkg	48.4 MiB	9ca4313e8162a939c7a5a4f48d657722594f8db9a98472803d63c3a7f66fa1da



INSTALAR JUPYTER NOTEBOOK

- Abrir Anaconda Prompt (Windows) o Terminal (Mac)
- Comprobar que se ha instalado: `conda env list`
- Instalar Jupyter Notebook: `pip install notebook`

```
pygments conda-forge/noarch::pygments-2.9.0-pyhd8ed1ab_0
pyparsing conda-forge/noarch::pyparsing-2.4.7-pyh9f0ad1d_0
pysistent conda-forge/win-64::pysistent-0.17.3-py39hb82d6ee_2
python_datautil conda-forge/noarch::python_datautil-2.8.1-py_0
python_abi conda-forge/win-64::python_abi-3.9-1_cp39
pywinpty pkgs/main/win-64::pywinpty-0.5.7-py39haa05532_0
pyzmq conda-forge/win-64::pyzmq-22.0.3-py39he46f88e_1
send2trash conda-forge/noarch::send2trash-1.5.0-py_0
terminado conda-forge/win-64::terminado-0.9.4-py39hcbf5309_0
testpath conda-forge/noarch::testpath-0.4.4-py_0
tornado conda-forge/win-64::tornado-6.1-py39hb82d6ee_1
traitlets conda-forge/noarch::traitlets-5.0.5-py_0
wcwidth conda-forge/noarch::wcwidth-0.2.5-pyh9f0ad1d_2
webencodings conda-forge/noarch::webencodings-0.5.1-py_1
winpty conda-forge/win-64::winpty-0.4.3_4
zeromq conda-forge/win-64::zeromq-4.3.4-h8e60522_0
zipp conda-forge/noarch::zipp-3.4.1-pyhd8ed1ab_0

The following packages will be UPDATED:
certifi pkgs/main::certifi-2020.12.5-py39haa05532_0 -> conda-forge::certifi-2020.12.5-py39haa05532_0
conda pkgs/main::conda-4.9.2-py39haa05532_0 -> conda-forge::conda-4.9.2-py39haa05532_0
openssl pkgs/main::openssl-1.1.1h-h2b1107c_0 -> conda-forge::openssl-1.1.1h-h2b1107c_0

The following packages will be SUPERSEDED by a higher-priority package:
ca-certificates pkgs/main::ca-certificates-2020.12.5-py39haa05532_0 -> conda-forge::ca-certificates-2020.12.5-h5b45459_0

Proceed ([y]/n)?
```

Pulsar Intro

- Arrancar Jupyter: `jupyter notebook`
- Si te pide un Token está ahí:

```
To access the notebook, open this file in a browser:
file:///C:/Users/isaac/AppData/Roaming/jupyter/runtime/nbserver-20760-open.html
Or copy and paste one of these URLs:
http://localhost:8888/?token=e09e14784d9ea13d6482a91b387c29f1cda68556fe7f5e03
or http://127.0.0.1:8888/?token=e09e14784d9ea13d6482a91b387c29f1cda68556fe7f5e03
```