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Juan Fernando Pérez

Escuela de Ingeniería, Ciencia y Tecnología
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Analítica de datos y Python


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Your data science toolkit

With over 20 million users worldwide, the open-source Individual Edition (Distribution) is the easiest way to perform Python/R data science and machine learning on a single machine. Developed for solo practitioners, it is the toolkit that equips you to work with thousands of open-source packages and libraries.

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Windows 

Python 3.8

64-Bit Graphical Installer (466 MB)


32-Bit Graphical Installer (397 MB)

MacOS 

Python 3.8

64-Bit Graphical Installer (462 MB)

64-Bit Command Line Installer (454 MB)

Linux 

Python 3.8

64-Bit (x86) Installer (550 MB)

64-Bit (Power8 and Power9) Installer (290 MB)

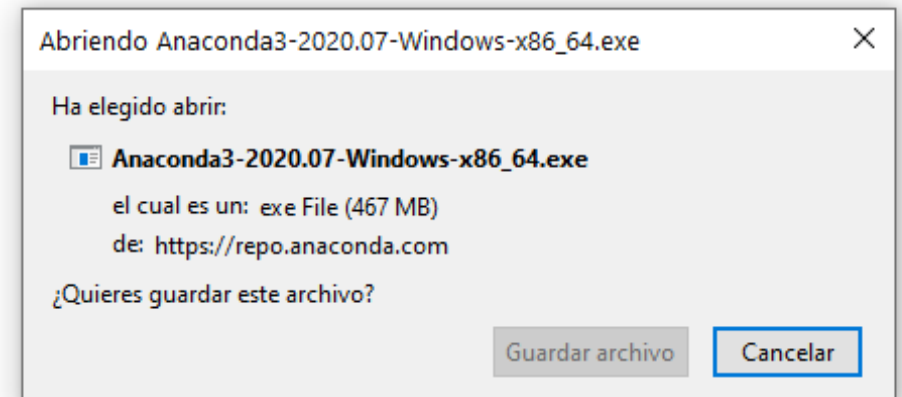


Analítica de datos y Python

Descargar y ejecutar instalador

Al terminar la instalación, iniciar Anaconda Navigator

Windows: tecla Windows + Anaconda





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CMD.exe Prompt

0.1.1

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Launch



JupyterLab

2.1.5

An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture.

Launch



Notebook

6.0.3

Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis.

Launch



Powershell Prompt

0.0.1

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Qt Console

4.7.5

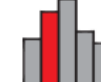
PyQt GUI that supports inline figures, proper multiline editing with syntax highlighting, graphical calltips, and more.



Spyder

4.1.4

Scientific PYTHON Development Environment. Powerful Python IDE with advanced editing, interactive testing, debugging and documentation features.



Glueviz

0.15.2

Multidimensional data visualization across files. Explore relationships within and among related datasets.



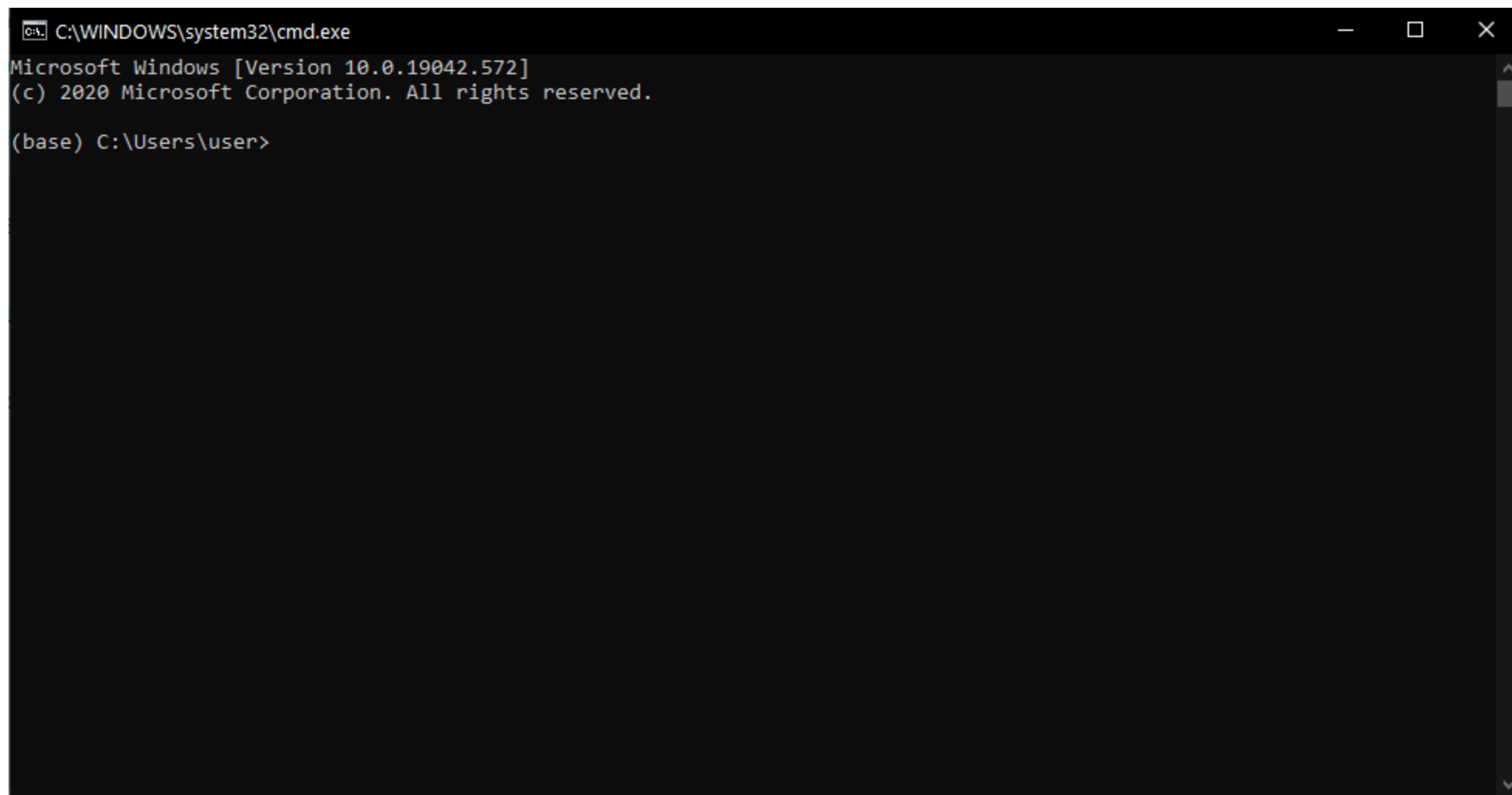
Orange 3

3.26.0

Component based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows with a drag-and-drop interface.



Anaconda CMD Prompt



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19042.572]
(c) 2020 Microsoft Corporation. All rights reserved.

(base) C:\Users\user>
```




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✓ base (root)

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Search Packages

Name	T	Description	Version
<input checked="" type="checkbox"/> _anaconda_depends			2020.07
<input checked="" type="checkbox"/> alabaster		Configurable, python 2+3 compatible sphinx theme.	0.7.12
<input checked="" type="checkbox"/> anaconda		Simplifies package management and deployment of anaconda	custom
<input checked="" type="checkbox"/> anaconda-client		Anaconda.org command line client library	1.7.2
<input checked="" type="checkbox"/> anaconda-project		Tool for encapsulating, running, and reproducing data science projects	0.8.4
<input checked="" type="checkbox"/> argh			0.26.2
<input checked="" type="checkbox"/> argon2-cffi			20.1.0
<input checked="" type="checkbox"/> asn1crypto		Python asn.1 library with a focus on performance and a pythonic api	1.4.0
<input checked="" type="checkbox"/> astroid		A abstract syntax tree for python with inference support.	2.4.2
<input checked="" type="checkbox"/> astropy		Community-developed python library for astronomy	4.0.2
<input checked="" type="checkbox"/> async-generator			1.10
<input checked="" type="checkbox"/> async_generator		Async generators and context managers for python 3.5+	1.10



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Create Clone Import Remove

Create new environment

Name: py38

Location: E:\aplicaciones\Anaconda3\envs\py38-r

Packages: ☒ Python 3.8 ☒ R r

Cancel Create

Name	Description	Version
base (root)		
myenv		
py38		
		2020.07
	e sphinx theme.	0.7.12
	deployment of anaconda	custom
	brary	1.7.2
	reproducing data science projects	0.8.4
		0.26.2
		20.1.0
<input checked="" type="checkbox"/> asn1crypto	Python asn.1 library with a focus on performance and a pythonic api	1.4.0
<input checked="" type="checkbox"/> astroid	A abstract syntax tree for python with inference support.	2.4.2
<input checked="" type="checkbox"/> astropy	Community-developed python library for astronomy	4.0.2
<input checked="" type="checkbox"/> async-generator		1.10
<input checked="" type="checkbox"/> async_generator	Async generators and context managers for python 3.5+	1.10



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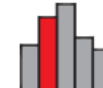
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6.1.4
Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis.

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0.1.1
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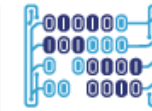

Qt Console
4.7.7
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RStudio
1.1.456
A set of integrated tools designed to help you be more productive with R. Includes R essentials and notebooks.



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
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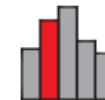


Notebook

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Anaconda – Jupyter Notebook

Home Page - Select or create a

localhost:8888/tree

90%

QuitLogout

FilesRunningClusters

Select items to perform actions on them.

UploadNew

<input type="checkbox"/> 0	/	Name	Last Modified	File size
<input type="checkbox"/>	bdc0-repo		hace 11 minutos	
<input type="checkbox"/>	repository		hace 29 minutos	
<input type="checkbox"/>	scripts		hace 28 minutos	



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Anaconda – Jupyter Notebook

The screenshot displays the Jupyter Notebook web interface. At the top, there's a dark navigation bar with a 'Home Page - Select or create a' tab, a '+' icon, and a browser address bar showing 'localhost:8888/tree'. Below this, the 'jupyter' logo is on the left, and 'Quit' and 'Logout' buttons are on the right. The main content area has three tabs: 'Files', 'Running', and 'Clusters'. Under the 'Files' tab, it says 'Select items to perform actions on them.' Below this is a file browser showing a tree structure with a root folder '/' and three subfolders: 'bdco-repo', 'repository', and 'scripts'. To the right of the file browser, there are 'Upload', 'New', and a refresh icon. The 'New' dropdown menu is open, showing options for 'Notebook' (Python 3, R) and 'Other' (Text File, Folder, Terminal). A tooltip 'Create a new notebook with Python 3' is visible next to the 'Python 3' option.

Home Page - Select or create a × +

localhost:8888/tree 90% ... ✓ ☆ ↓ ≡ 📄 👤 ☰

jupyter Quit Logout

Files Running Clusters

Select items to perform actions on them.

☐ 0 ▼ 📁 / Name ▼

☐ 📁 bdco-repo

☐ 📁 repository

☐ 📁 scripts

Upload New ▼ 🔄

Notebook:

Python 3

R

Other:

Text File

Folder

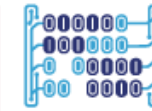
Terminal

Create a new notebook with Python 3



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Anaconda– Jupyter Notebook

The screenshot shows the Jupyter Notebook interface in a web browser. The browser's address bar displays the URL `localhost:8888/notebooks/scripts/Untitled.ipynb?kernel_name=python3`. The Jupyter interface includes a top bar with the 'jupyter' logo, the notebook title 'Untitled', and a status message 'Last Checkpoint: hace unos segundos (unsaved changes)'. A 'Logout' button is visible in the top right. Below this is a menu bar with options: File, Edit, View, Insert, Cell, Kernel, and Help. A secondary toolbar contains icons for saving, creating new cells, deleting cells, and running code. The main area shows a single code cell with the prompt 'In []: ' followed by a large text input field.



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Anaconda– Jupyter Notebook

The screenshot displays the Jupyter Notebook web interface in a browser. The browser's address bar shows the URL `localhost:8888/notebooks/scripts/bdco-sesion2.ipynb`. The Jupyter interface includes a top bar with the notebook name `bdco-sesion2` and a status message `Last Checkpoint: hace 2 minutos (autosaved)`. A `Logout` button is visible on the right. Below the top bar is a menu bar with `File`, `Edit`, `View`, and `Insert`. A toolbar with various icons is located below the menu bar. The main content area shows a code cell with the prompt `In []:`. A `Rename Notebook` dialog box is open in the center, featuring a text input field containing `bdco-sesion2` and two buttons at the bottom: `Cancel` and `Rename`.



Anaconda– Jupyter Notebook

scripts/ bdco-sesion2 - Jupyter Notebo X +

localhost:8888/notebooks/scripts/bdco-sesion2.ipynb# 90%

jupyter bdco-sesion2 Last Checkpoint: hace 7 minutos (unsaved changes) Logout


File Edit View Insert Cell Kernel Help Trusted Python 3

+ ✂ 📄 ⬆ ⬇ ▶ Run ■ ↺ ▶ Code

```
In [2]: # importar paquetes y darles alias
import pandas as pd
import numpy as np

-----
ModuleNotFoundError                                Traceback (most recent call last)
<ipython-input-2-651cbf36abd8> in <module>
      1 # importar paquetes y darles alias
----> 2 import pandas as pd
      3 import numpy as np

ModuleNotFoundError: No module named 'pandas'
```


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py38-r 

Not installed 

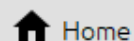
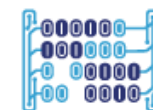
Channels

Update index...

pandas 

Name	T	Description	Version
<input type="checkbox"/> autovizwidget		An auto-visualization library for pandas dataframes	0.17.1
<input type="checkbox"/> blaze		Numpy and pandas interface to big data	0.11.3
<input type="checkbox"/> geopandas		Geographic pandas extensions.	0.8.1
<input checked="" type="checkbox"/> pandas		High-performance, easy-to-use data structures and data analysis tools.	1.1.3
<input type="checkbox"/> pandas-datareader		Up to date remote data access for pandas, works for multiple versions of pandas	0.9.0
<input type="checkbox"/> pandas-profiling		Generate profile report for pandas dataframe	2.9.0
<input type="checkbox"/> pandasql		SqlDf for pandas	0.7.3
<input type="checkbox"/> qgrid		Pandas dataframe viewer for jupyter notebook	1.3.1
<input type="checkbox"/> streamz		Manage streaming data, optionally with dask and pandas	0.6.1





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Install Packages

10 packages will be installed

	Name	Unlink	Link	Channel
1	pandas	-	1.1.3	pkgs/main
2	*blas	-	1.0	pkgs/main
3	*intel-openmp	-	2020.2	pkgs/main
4	*mkl	-	2020.2	pkgs/main
5	*mkl-service	-	2.3.0	pkgs/main
6	*mkl_fft	-	1.2.0	pkgs/main
7	*mkl_random	-	1.1.1	pkgs/main

* indicates the package is a dependency of a selected package

Cancel

Apply

9 packages available matching "pandas" 1 package selected

Apply

Clear



Search Environments



Installed



Channels

Update index...

pandas



base (root)

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py38-r



Name



T

Description

Version



pandas



High-performance, easy-to-use data structures and data analysis tools.

1.1.3



Create



Clone

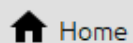


Import



Remove

1 package available matching "pandas"



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Name



T

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Import



Remove

1 package available matching "pandas"