

2.- Terminal y Putty

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Se instalará Spark en una instancia EC2 de AWS acorde a lo visto en clase y se entregará lo siguiente para comprobar su instalación correcta.

1.- Impresión de pantalla de la terminal o putty una vez que se ejecuta el comando jupyter notebook.

```
-rw-rw-r-- 1 ubuntu ubuntu 8935 Nov 11 04:10 9.- particionado.ipynb
-rw-rw-r-- 1 ubuntu ubuntu 192227 Nov 11 04:10 AAPL.csv
-rw-rw-r-- 1 ubuntu ubuntu 2008 Nov 11 03:34 'AdrianPineda .ipynb'
-rw-rw-r-- 1 ubuntu ubuntu 1064920017 Aug 4 2023 Anaconda3-2023.07-2-linux-x86_64.sh
-rw-rw-r-- 1 ubuntu ubuntu 1064920017 Aug 4 2023 Anaconda3-2023.07-2-linux-x86_64.sh.1
-rw-rw-r-- 1 ubuntu ubuntu 223179 Nov 11 04:10 'Configuración Python con Spark.docx'
-rw-rw-r-- 1 ubuntu ubuntu 308114 Nov 11 04:10 'Configuración Python con Spark.pdf'
-rw-rw-r-- 1 ubuntu ubuntu 687503 Nov 11 04:10 LaCelestina.txt
-rw-rw-r-- 1 ubuntu ubuntu 78 Nov 11 04:10 Null.csv
drwxrwxr-x 28 ubuntu ubuntu 4096 Nov 11 03:09 anaconda3
drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 11 02:18 certs
-rw-rw-r-- 1 ubuntu ubuntu 86871 Nov 11 04:10 customers.csv
-rw-rw-r-- 1 ubuntu ubuntu 55 Nov 11 04:10 ejemplo.txt
-rw-rw-r-- 1 ubuntu ubuntu 80 Nov 11 04:10 personas.json
-rw-rw-r-- 1 ubuntu ubuntu 119069 Nov 11 04:10 sample_linear_regression_data.txt
drwxrwxr-x 13 ubuntu ubuntu 4096 Sep 9 2023 spark-3.5.0-bin-hadoop3
-rw-rw-r-- 1 ubuntu ubuntu 400395283 Sep 9 2023 spark-3.5.0-bin-hadoop3.tgz
-rw-rw-r-- 1 ubuntu ubuntu 212 Nov 11 04:10 ventas.csv
(base) ubuntu@ip-172-31-13-36:~$ jupyter notebook

Upd8t8k8

Read the migration plan to Notebook 7 to learn about the new features and the actions to take if you are using extensions.
https://jupyter-notebook.readthedocs.io/en/latest/migrate_to_notebook7.html

Please note that updating to Notebook 7 might break some of your extensions.

[W 04:21:41.691 NotebookApp] Loading JupyterLab as a classic notebook (v6) extension.
[W 2024-11-11 04:21:41.683 LabApp] 'certfile' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.
[W 2024-11-11 04:21:41.684 LabApp] 'ip' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.
[W 2024-11-11 04:21:41.684 LabApp] 'ip' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.
[W 2024-11-11 04:21:41.684 LabApp] 'port' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.
[W 2024-11-11 04:21:41.686 LabApp] Jupyterlab extension loaded from /home/ubuntu/anaconda3/lib/python3.11/site-packages/jupyterlab
[I 2024-11-11 04:21:41.686 LabApp] Jupyterlab application directory is /home/ubuntu/anaconda3/share/jupyter/lab
[I 04:21:42.775 NotebookApp] Serving notebooks from local directory: /home/ubuntu
[I 04:21:42.776 NotebookApp] Jupyter Notebook 6.5.4 is running at:
[I 04:21:42.776 NotebookApp] https://ip-172-31-13-36:8888/?token=d1df19b05c13edc1c858b02665067b9ab14c27aa1cdc53
[I 04:21:42.776 NotebookApp] or https://127.0.0.1:8888/?token=d1df19b05c13edc1c858b02665067b9ab14c27aa1cdc53
[I 04:21:42.776 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).

[C 04:21:42.777 NotebookApp]

To access the notebook, open this file in a browser:
file:///home/ubuntu/.local/share/jupyter/runtime/nbsrvr-8151-open.html
Or copy and paste one of these URLs:
https://ip-172-31-13-36:8888/?token=d1df19b05c13edc1c858b02665067b9ab14c27aa1cdc53
or https://127.0.0.1:8888/?token=d1df19b05c13edc1c858b02665067b9ab14c27aa1cdc53
```

Todas las impresiones de pantalla se entregarán en un zip o en un documento de Word.