

Trabajando con **R** y **Python** en la nube

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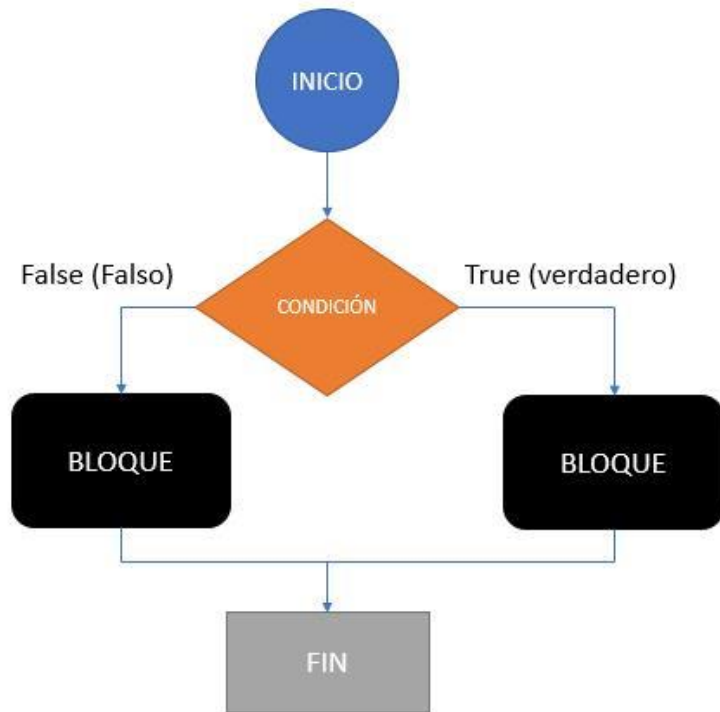
Es un acto comunicativo

Persigue resolver problemas

Uso de las computadoras



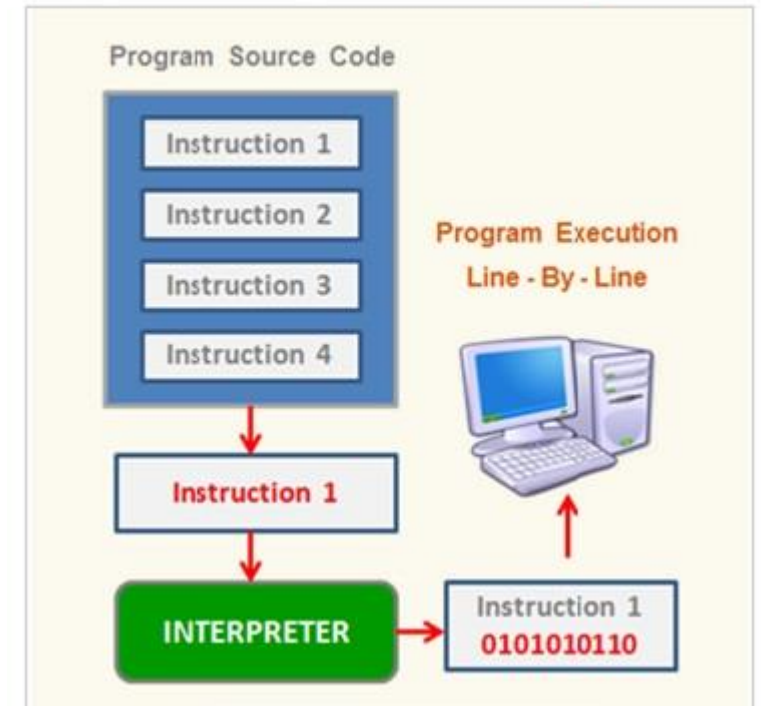
Programación



program.py >

```
1 answer = input('Is it raining? ')
2 if answer == 'yes':
3     print('Take an umbrella!')
4 else:
5     print('Put on a hat!')
```

Program Compilation - Interpreter



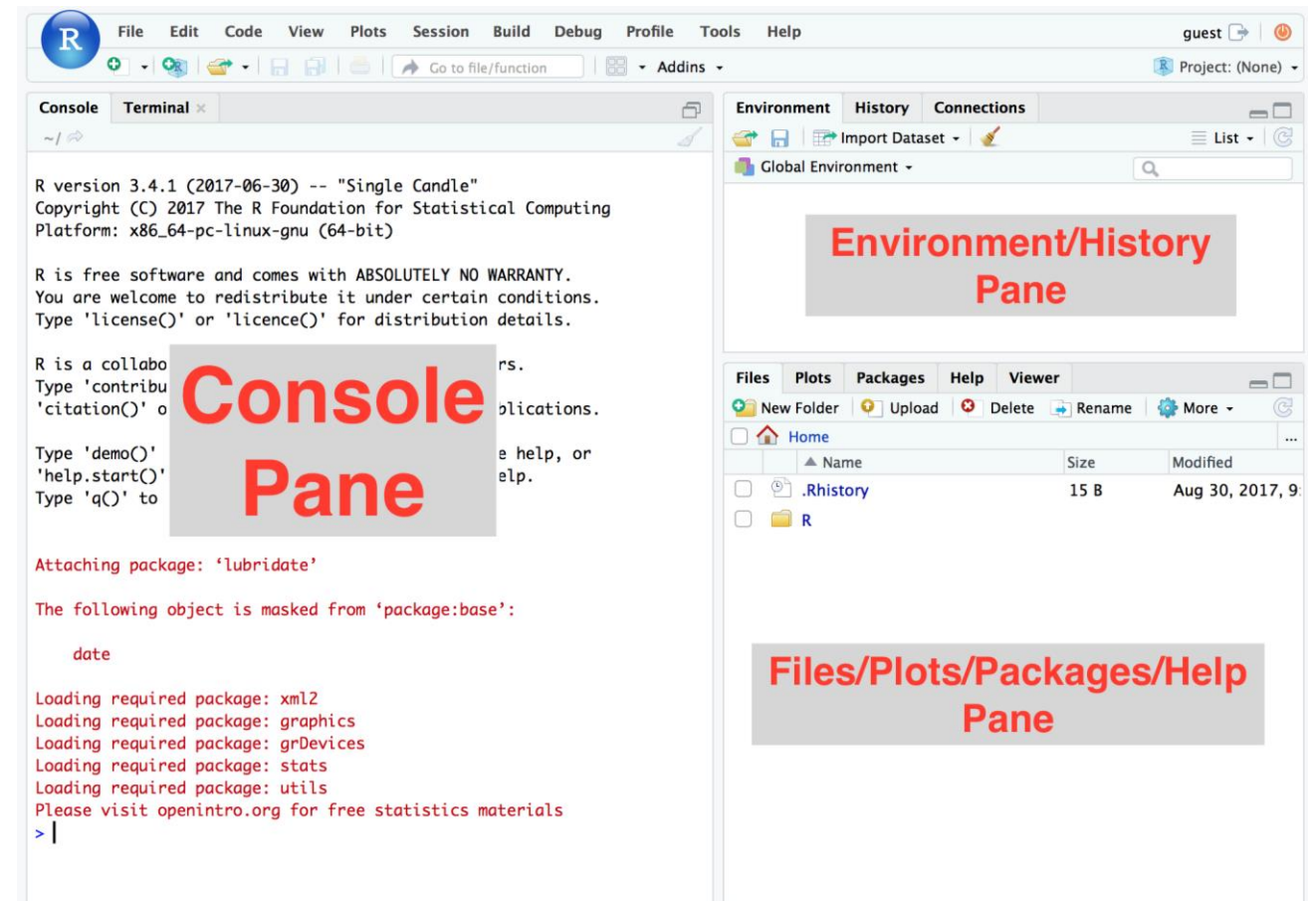
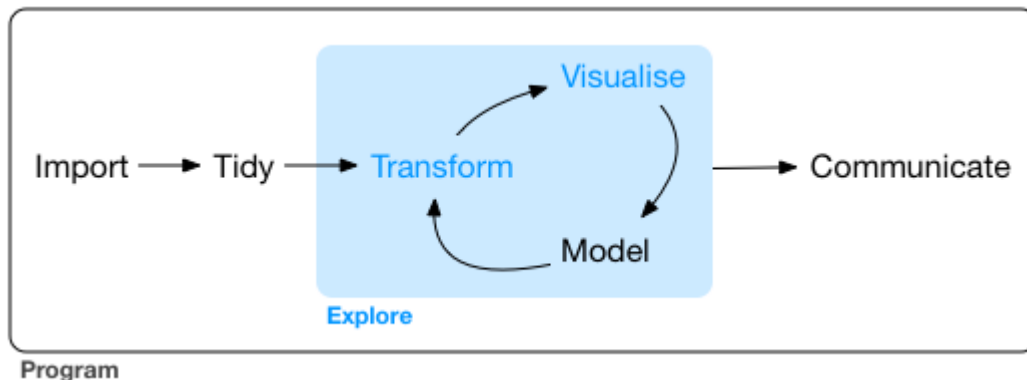
R



R es un entorno y lenguaje de programación con un enfoque al análisis estadístico.

La mayoría de carreras no computacionales enseñan R.

Entorno amigable para la programación (RStudio).



Python



Python es un lenguaje de alto nivel de programación interpretado, multipropósito, con gran auge en computación científica.

The screenshot shows the Jupyter web interface in a browser window. The address bar shows 'localhost'. The Jupyter logo is at the top left. Below it are tabs for 'Files', 'Running', and 'Clusters'. A message says 'Select items to perform actions on them.' with buttons for 'Upload', 'New', and a refresh icon. The 'File Tree' section lists several items: a folder 'data', a folder 'dev', a notebook 'Exploratory Data Analytics.ipynb', a notebook 'Lights Out.ipynb', and a notebook 'Welcome to Python.ipynb' which is highlighted in red and labeled 'Running Notebook' with a green 'Running' status indicator.

| File Tree |
|---|
| <input type="checkbox"/> data |
| <input type="checkbox"/> dev |
| <input type="checkbox"/> Exploratory Data Analytics.ipynb |
| <input type="checkbox"/> Lights Out.ipynb |
| <input type="checkbox"/> Welcome to Python.ipynb Running Notebook Running |



Welcome to the Temporary Notebook (tmpnb) service!

This Notebook Server was **launched just for you**. It's a temporary way for you to try out a recent development version of the IPython/Jupyter notebook.

WARNING


Don't rely on this server for anything you want to last - your server will be *deleted after 10 minutes of inactivity*.

Your server is hosted thanks to [Rackspace](#), on their on-demand bare metal servers, [OnMetal](#).

Cell In Command Mode

Run some Python code!

To run the code below:

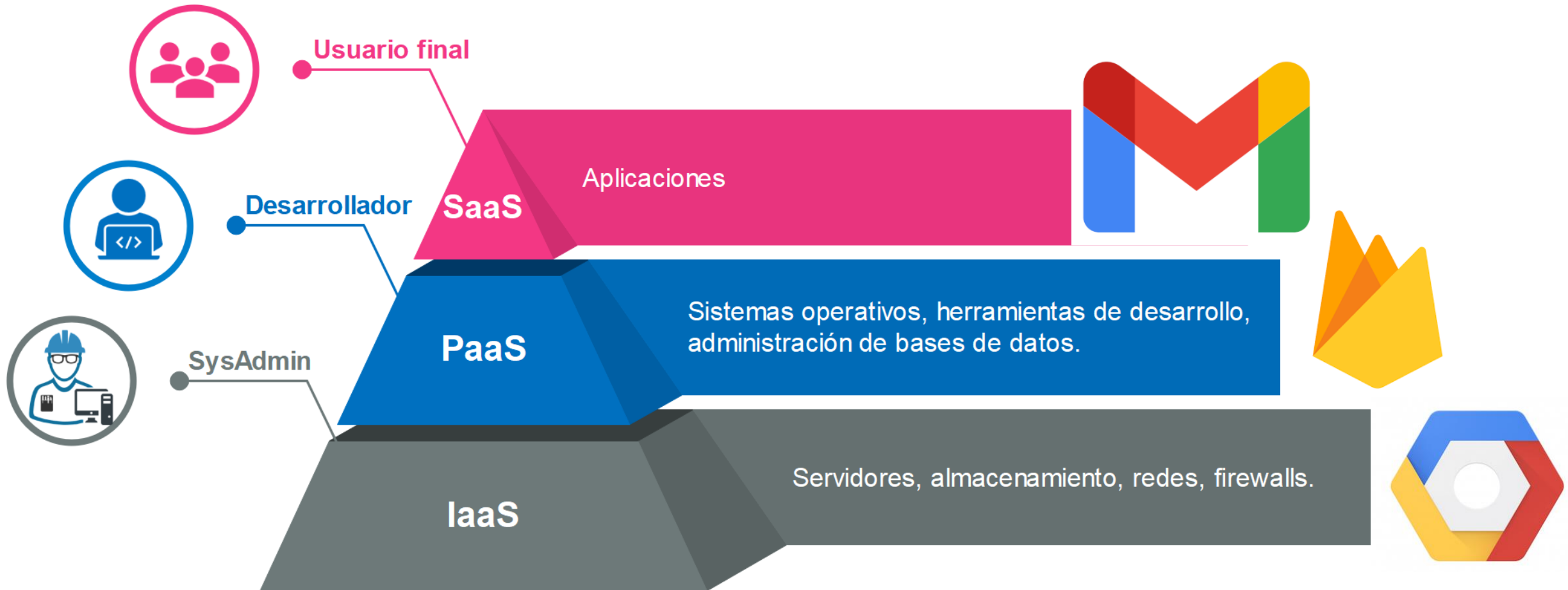
1. Click on the cell to select it.
2. Press SHIFT+ENTER on your keyboard or press the play button () in the toolbar above.

A full tutorial for using the notebook interface is available [here](#).

```
In [ ]: %matplotlib inline

import pandas as pd
import numpy as np
import matplotlib
```

La nube



Posit Cloud & Google Colab

Colab

<https://research.google.com/colaboratory/faq.html>

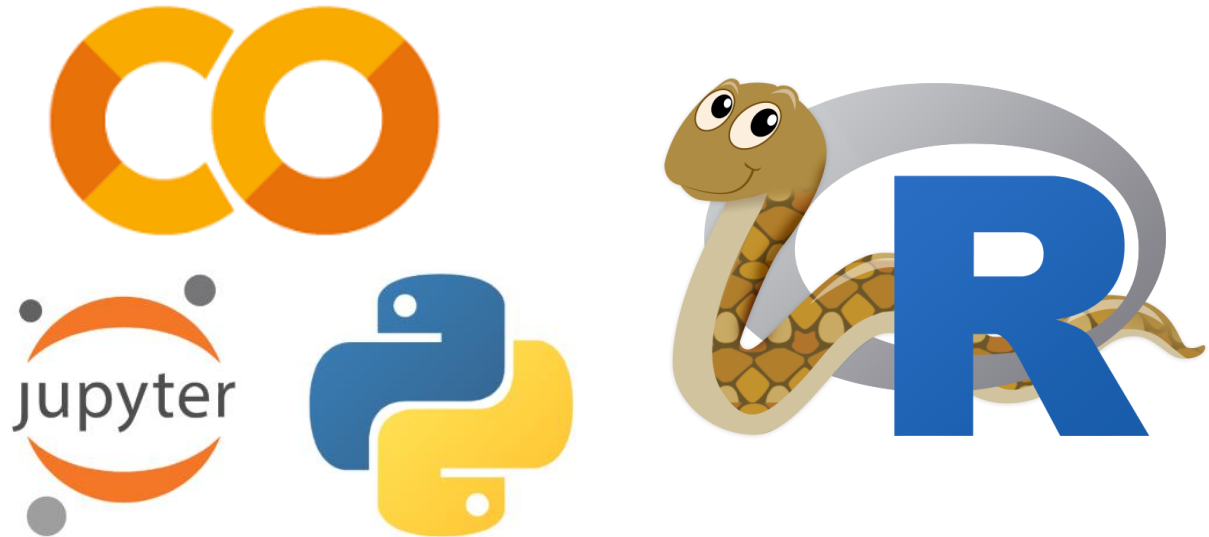
<https://colab.research.google.com/>



Posit

<https://posit.cloud/>

<https://posit.cloud/plans/free>



Cloud
FreeCloud
PremiumCloud
InstructorCloud
Organization

Cloud Free

If you make limited, occasional use of Posit Cloud, or have your usage covered by your school/organization or an instructor, our free plan is all you need.


If you need additional time, consider our **Plus** plan. For \$5 / month, get 75 compute hours per month - and you can use additional hours as needed for 10¢ per hour.

[Sign Up](#)

Key Features

- ✓ Up to 50 projects total [i](#)
- ✓ 1 shared space (5 members and 10 projects max) [i](#)
- ✓ 25 compute hours per month [i](#)
- ✓ Up to 1 GB RAM per project [i](#)
- ✓ Up to 1 CPU per project [i](#)
- ✓ Up to 1 hour background execution time [i](#)


Spaces


 Your Workspace


 New Space

Learn


 Guide

 What's New

 Primers

 Cheat Sheets


Help


 Current System Status

 Posit Community

Info

 Plans & Pricing

 Terms and Conditions

 Your Content

 Archive

 Trash

Your Content (0)

New Project 

TYPE

* 

ACCESS

* 

SORT

A
Z 



no projects

Recursos

Programación:

<https://repositori.uji.es/xmlui/bitstream/10234/102653/1/s93.pdf>

R:

<https://es.r4ds.hadley.nz/index.html>

Python:

<https://ellibrodepython.com/>

Nube:

<https://cloud.google.com/docs?hl=es>

<https://posit.cloud/learn/guide>

Muchas Gracias