

Computer vision in the new era of Artificial Intelligence and Deep Learning

Visión por computador en la nueva era de la Inteligencia Artificial y el Deep Learning

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Google Colab





notebooks and colab introduction.ipynb



notebooks and colab introduction.ipynb

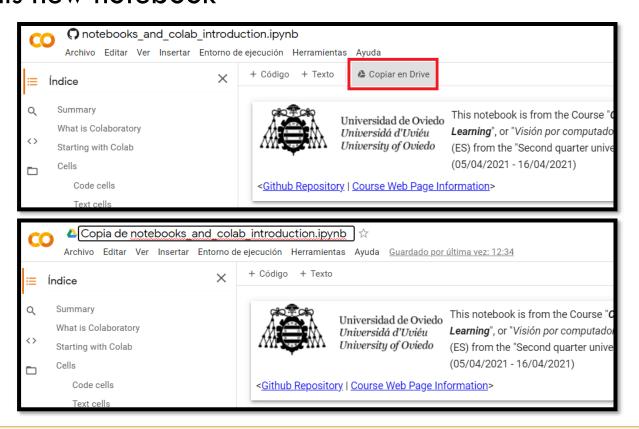


What is Colaboratory CO

- Google cloud-based service that replicates Jupyter
 Notebook in the cloud
- Colab allows you to run and code in Python in your browser with the following advantages:
 - No configuration required
 - Gives free access to GPUs
 - Allows content sharing easily
- Colab allows anybody to write and execute arbitrary Python code through the browser, and is especially well suited to machine learning, data analysis and education

Setting up Colab

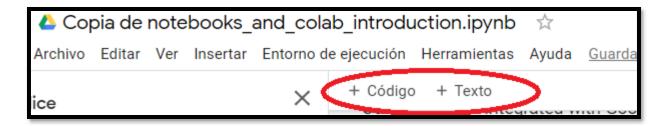
First step is to sign into your <u>Google account</u> to start using notebooks. If you do want to save your work, click the "Copy to Drive" button on the toolbar. This will open a new notebook in a new tab. You can rename this new notebook



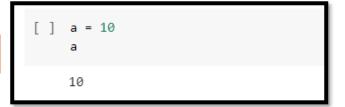
Cells

Notebooks are composed of cells. There are two types of cells: code cells and text cells.

- Code cells are used for both writting and executing code.
- Text cells are used for writing text, HTML or including Figures among others



Code cell



Text cell

This is a **text cell**. You can **double-click** to edit this cell. Text cells use markdown syntax. To learn more, see our <u>markdown guide</u>.

You can also add math to text cells using <u>LaTeX</u> to be rendered by <u>MathJax</u>. Just place the statement within a pair of \$ signs. For example $\sqrt{3x-1}+(1+x)^2$ becomes $\sqrt{3x-1}+(1+x)^2$.

Working with python

You can include Python code in code cells.

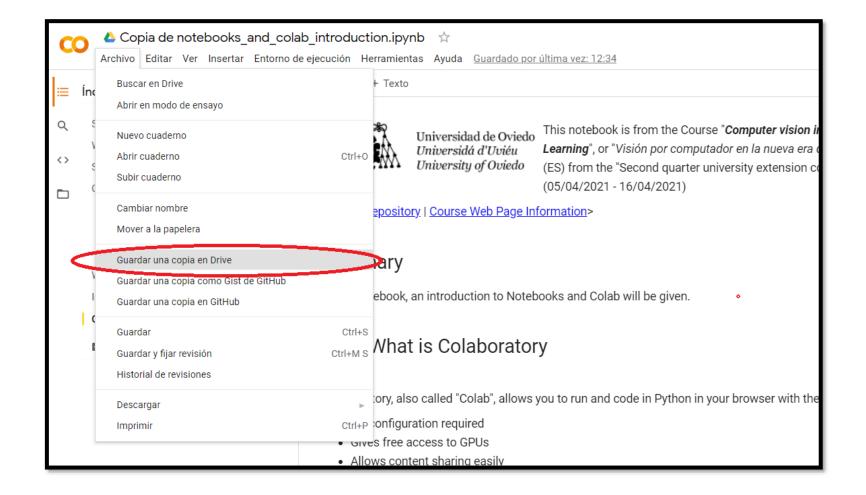
```
import time

print("Sleeping")

time.sleep(5) # sleep for a while; interrupt me!
print("Done Sleeping")

Sleeping
Done Sleeping
```

Integration with Drive



Google Colab

