

Kaggle prep. instructions

PV course, FCUL

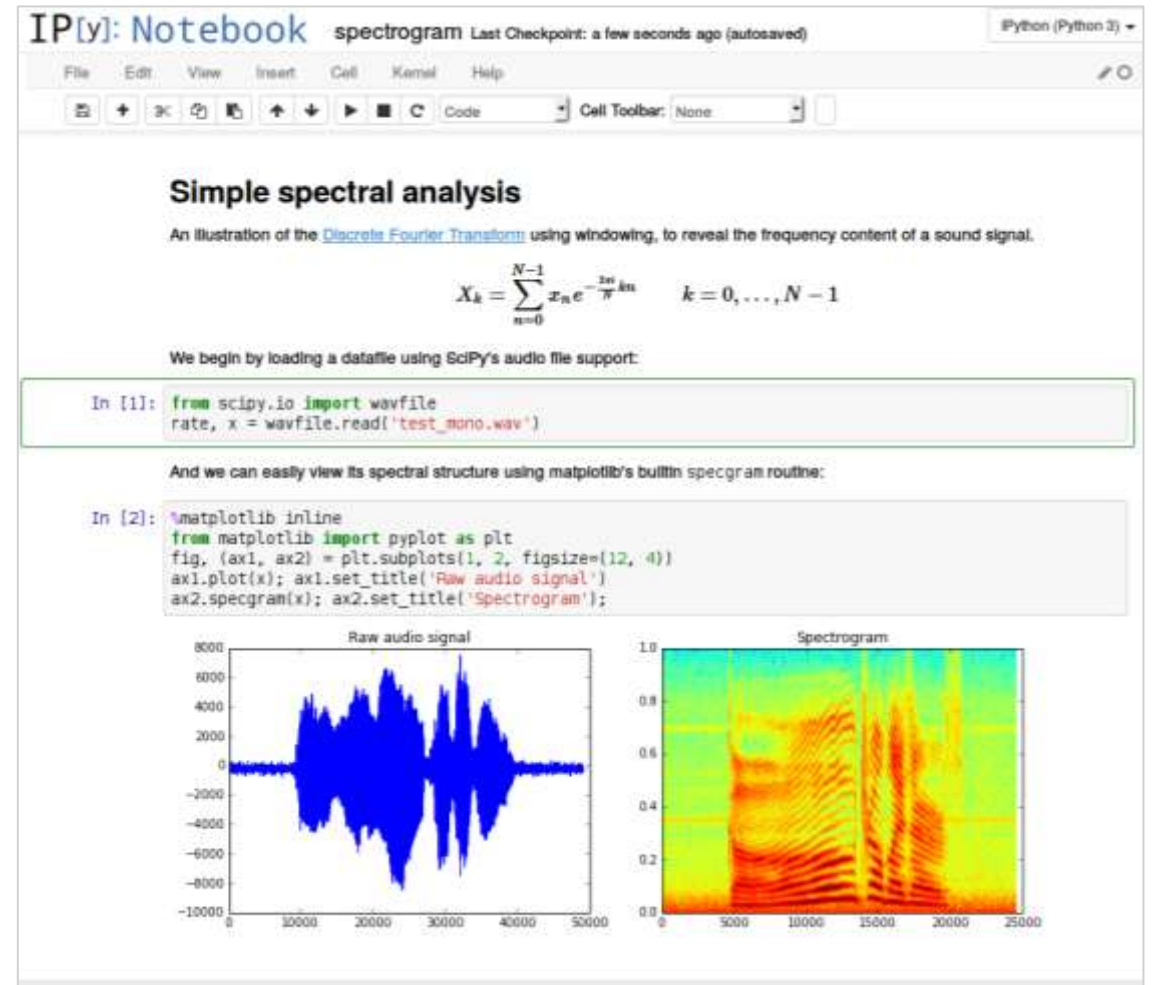
26/10/2026

What is a Python notebook?

For me, a notebook is like an editable PDF within which we can embed Python code.

It basically allows combining text, figures and working code in a way that's very useful for learning activities (and more).

Arbitrary example on the right made by Alex Rogozhnikov ([link](#))

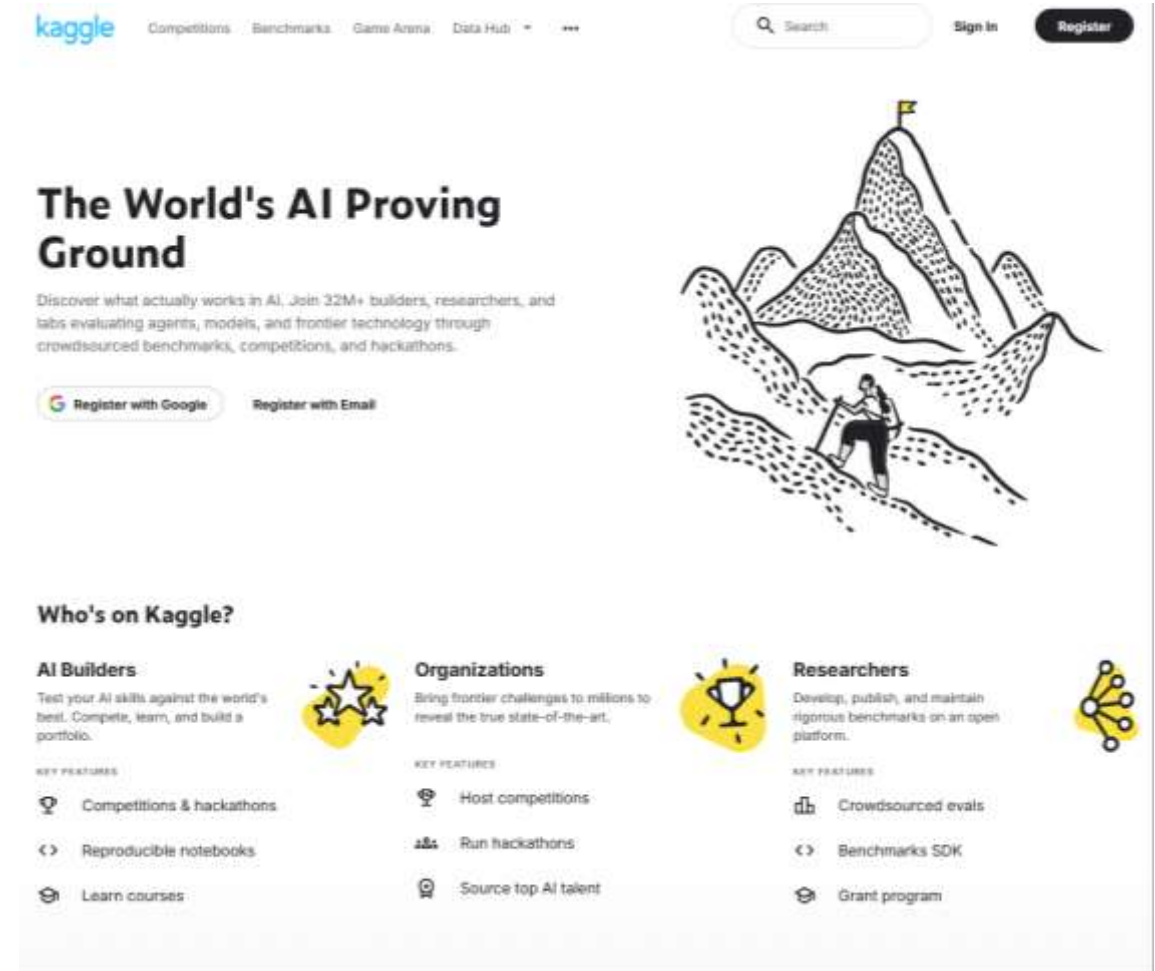


What is **kaggle**?

An online platform that can host notebooks and data online, as well as run Python code (and maybe others) without having to install a thing nor configure a local setup.

It can facilitate, for example, the organization of hands-on learning activities with audiences with varying levels of Python/coding knowledge.

<https://www.kaggle.com>



Instructions: steps 1 & 2

1. Create an account at <https://www.kaggle.com/>
2. Send your Kaggle username* to rasilva@ciencias.ulisboa.pt

As I get your username, I will share with you a testing notebook. When you get it, move to the instructions in the next slide.

* this is different from your e-mail

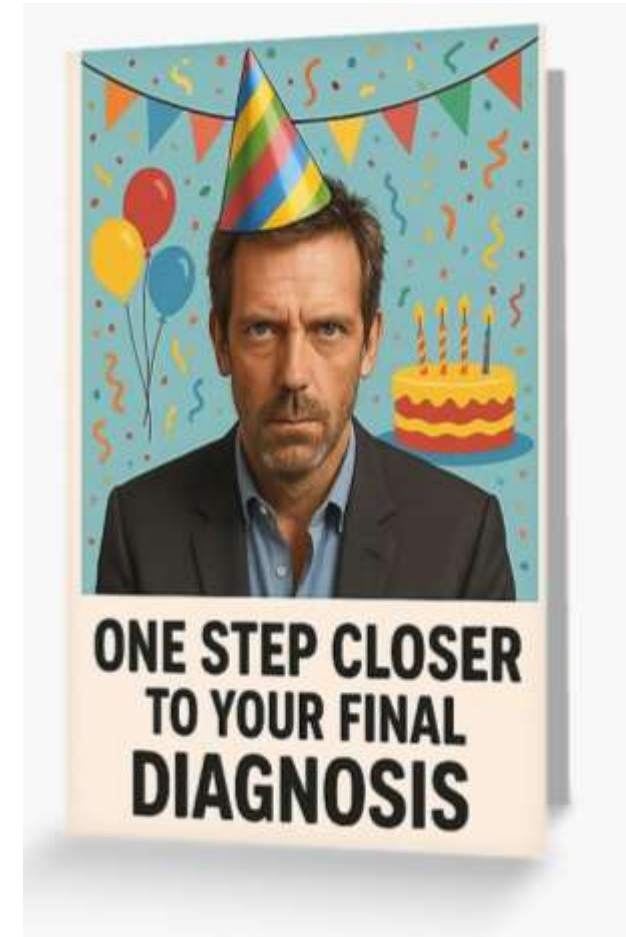


Instructions: step 3

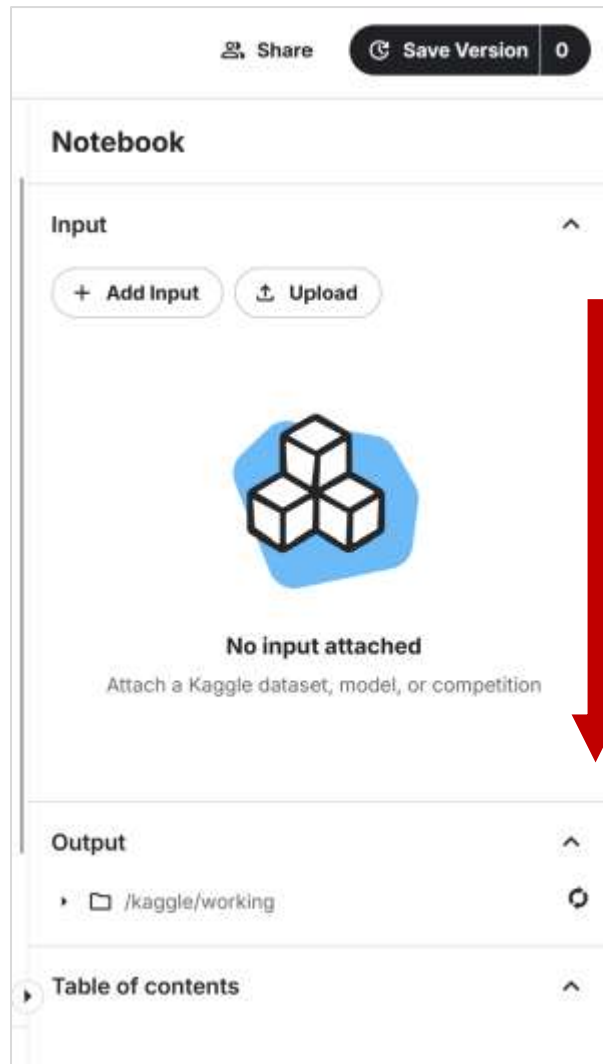
Once you have a Kaggle account you can access, create, edit, and run notebooks that use Kaggle's default libraries.

But to be able to install new libraries (we'll need one), there is a one-time-only step you have to do:

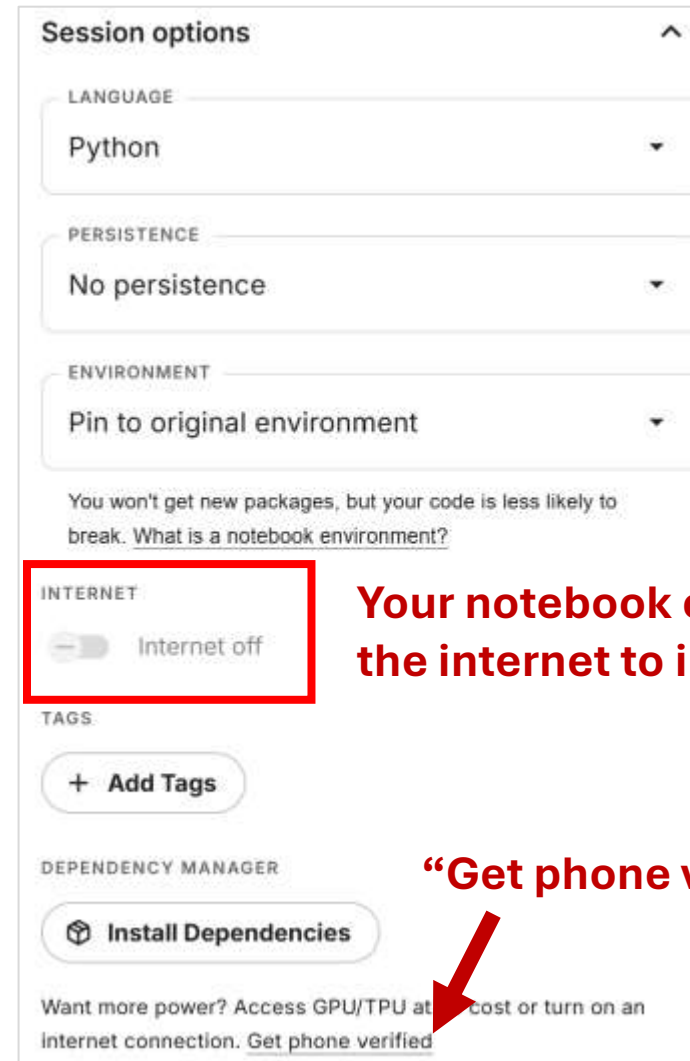
- Open the test notebook and verify your identity, ensuring that the notebook is connected to the internet (see next slide)



Instructions: step 3



**Scroll down to
“Session options”**



**Your notebook cannot access
the internet to install new libraries**

“Get phone verified” unlocks it

Instructions: step 3

Once you have authenticated your account, refresh the page and the internet button should be unlocked and you can turn it ON

Session options

LANGUAGE

Python

PERSISTENCE

No persistence

ENVIRONMENT

Pin to original environment

You won't get new packages, but your code is less likely to break. [What is a notebook environment?](#)

INTERNET

☐ Internet off

TAGS

+ Add Tags

DEPENDENCY MANAGER

 Install Dependencies

Want more power? Access GPU/TPU at no cost or turn on an internet connection. [Get phone verified](#)

Notebooks shared

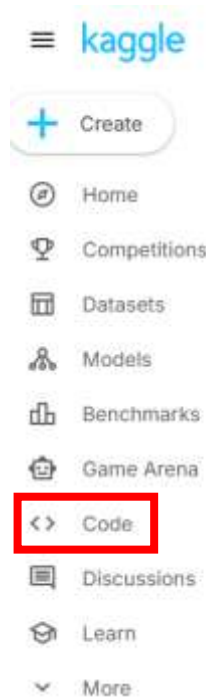
- Notebook part1: getting weather data + implementing modelchain
- Notebook part2: step-by-step modelling (without chain)

You can also run your own pvlib project in a separate Kaggle notebook if you want

- Teaching notebooks are meant as reference for the logic and coding behind pvlib

kaggle: how to use

Once you login, go to the “Code” page.



Then, “Your Work”.

Code

Explore and run machine learning code with Kaggle Notebooks.
Find help in the [Documentation](#).

+ New Notebook - Your Work

You should see two notebooks.



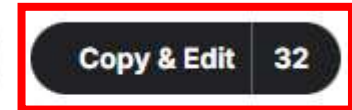
kaggle: how to use

Because I only gave you “viewing permission, you cannot directly edit it.
You will have to create a local, editable copy of your own.



Author

· 5MO AGO · 175 VIEWS · PRIVATE



Notebook title

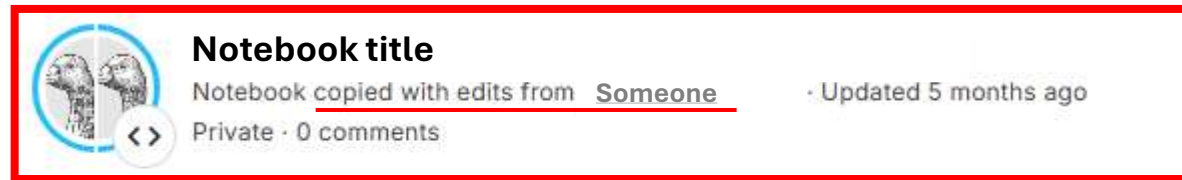
Notebook Input Output Logs Comments (0)



kaggle: how to use

Because I only gave you “viewing permission, you cannot directly edit it.

You will have to create a local, editable copy of your own.

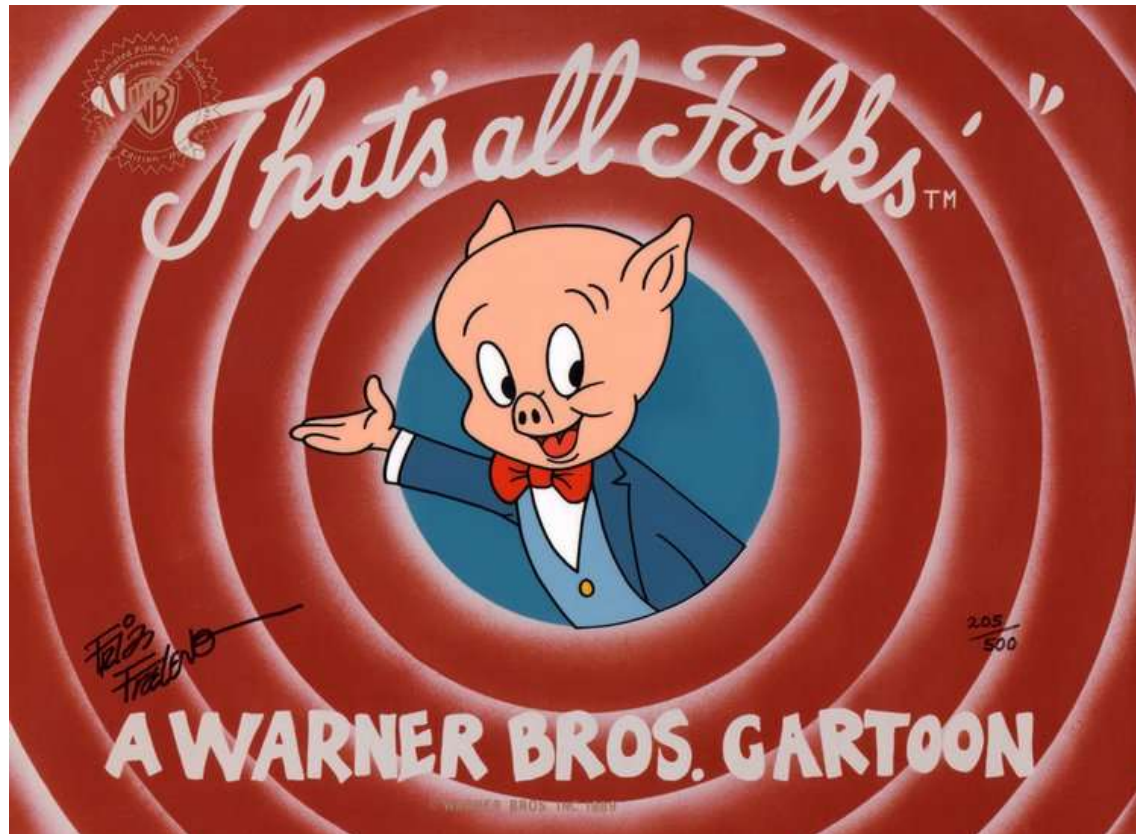


Your local copy of the original notebook



After having your own local copy, you’re free to do whatever you want.

Suggestion: keep these copies for playing with the teaching materials, and create a separate notebook for your optional PV project.



That should be it! Let me know if anything was unclear.