Colab online notebook tutorial

Instructor: Prof. Jiaji Wang & Prof. Xuguang Wang

Brief introduction:

Colab, short for Google Colaboratory, is an online free platform with integrated notebook function similar to Jupyter Notebook for everyone to use. It mainly aims to make data science and machine learning more accessible and collaborative.

Colab is a free Jupyter notebook environment that requires no setup and runs entirely in the cloud. It allows users to write and execute Python code in the browser. Users just need a Google account to access and start using it.

It has a user-friendly interface. Users can quickly create new notebooks, add cells for code or text, and run the code with a simple click. There is no need to install complex software or configure the development environment locally.

How to use Colab?

1. Register a Google Account

If you don't have a Google account yet, you need to register one first. Visit the Google Account Registration Page and follow the prompts to fill in the relevant information to complete the registration.

G 建立 Google 帳戶 輸入您的姓名	姓氏 (選填)
中文(香港) ▼	説明 私隱權設定 修敦

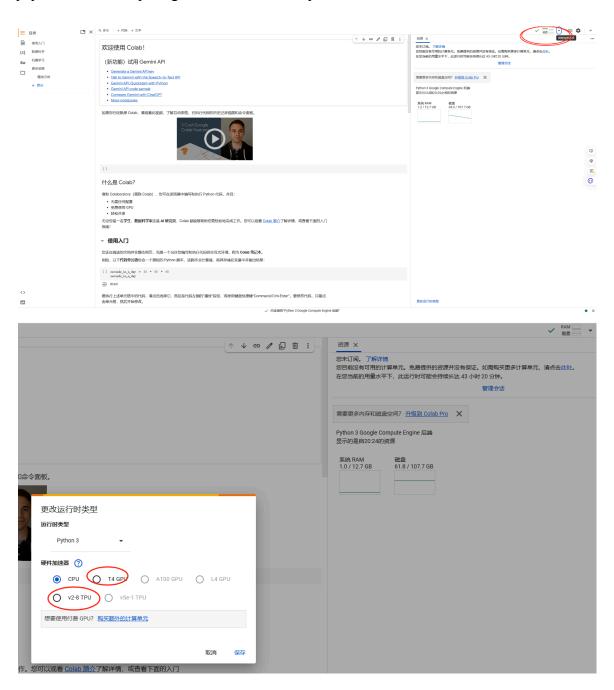
2. Log in to Colab

Open the Google Colab official website and log in with your Google account. After successful login, you will see the main interface of Colab with a simple tutorial notebook for you to have a better understanding.

3. Connect to Colab computing resources

Click the top right corner and choose to change the connection type. After successful connection, you will see the main interface of Colab computing resources with GPU T4 and

V2-8 TPU free for everyone to use. However, please notice that Google only provides limited capacity for using free computing resources everyday. Hence, if your command reads as **your free attempts have already reached the limitation**, you can test the code the next day or pay the online computing resources based on your own needs.



Layout of Colab, the left-hand side tool bar is about the main functions that are useful for users, including directory, search and replace, variables, secret key, and folders. You can click the bottom one **folder** to know what data or resources have for this notebook.

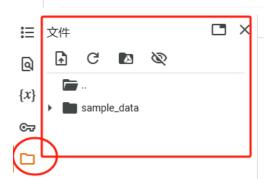
欢迎使用 Colab!

(新功能) 试用 Gemini API

- · Generate a Gemini API key
- Talk to Gemini with the Speech-to-Text API
- Gemini API: Quickstart with Python
- Gemini API code sample
- Compare Gemini with ChatGPT
- More notebooks

如果您已经熟悉 Colab,请观看此视频,了解互动表格、已执行代码的历史记录视图和命令面板。





Q 命令 + 代码 + 文本

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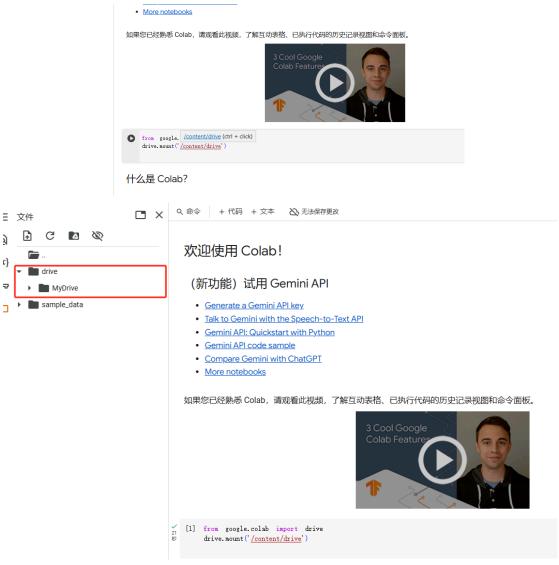
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You can access your Google Drive data by using the following command:

from google.colab import drive

drive.mount('/content/drive')



After connecting to your drive, you shall be able to see the files from your google drive by clicking the left-hand side tool bar folder option tool.