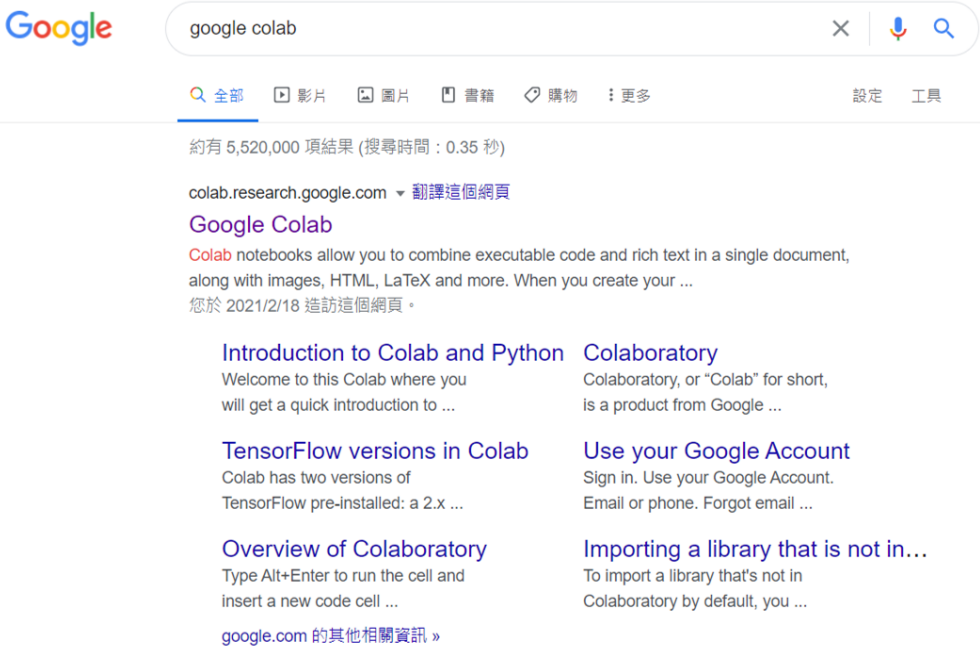
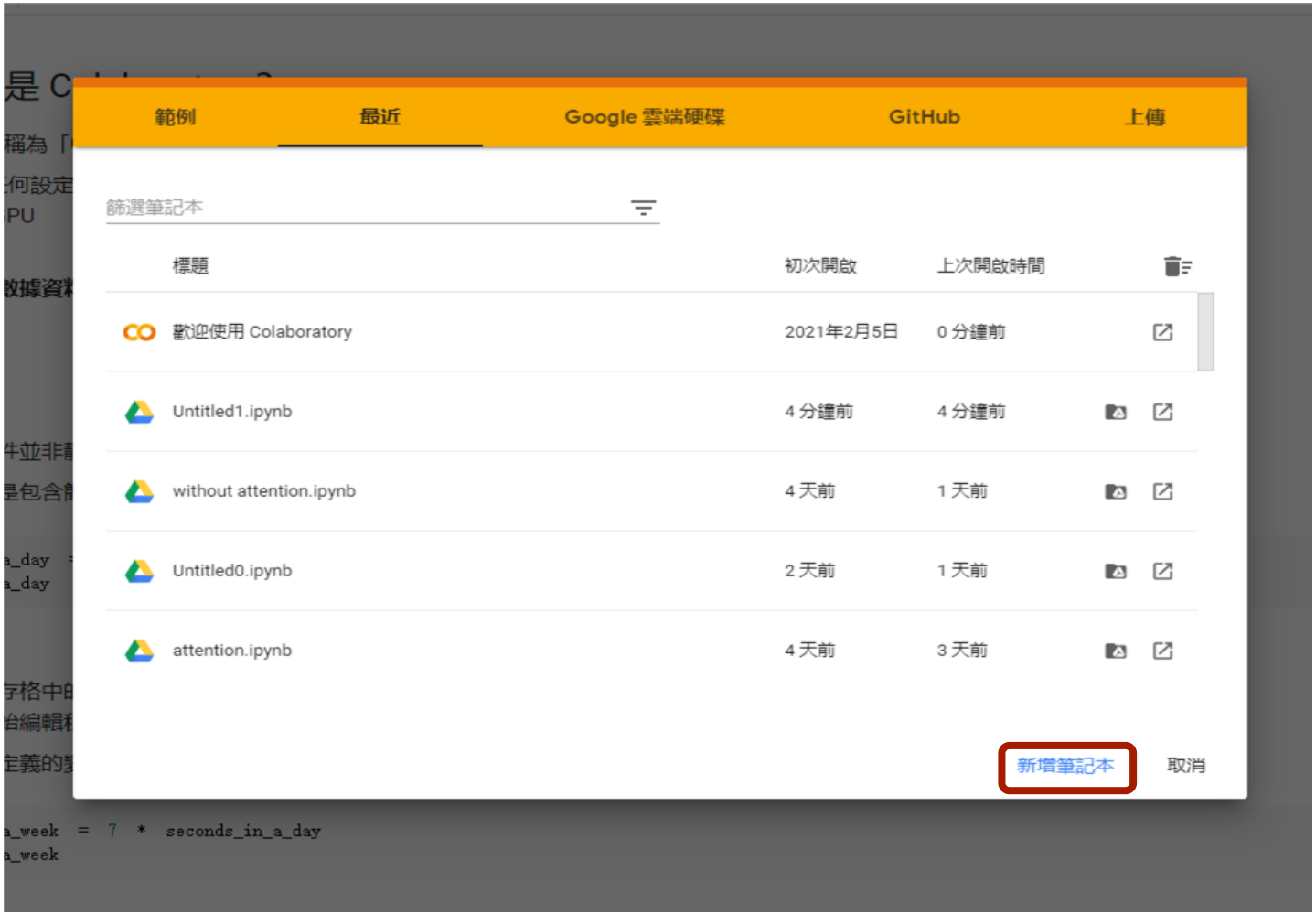
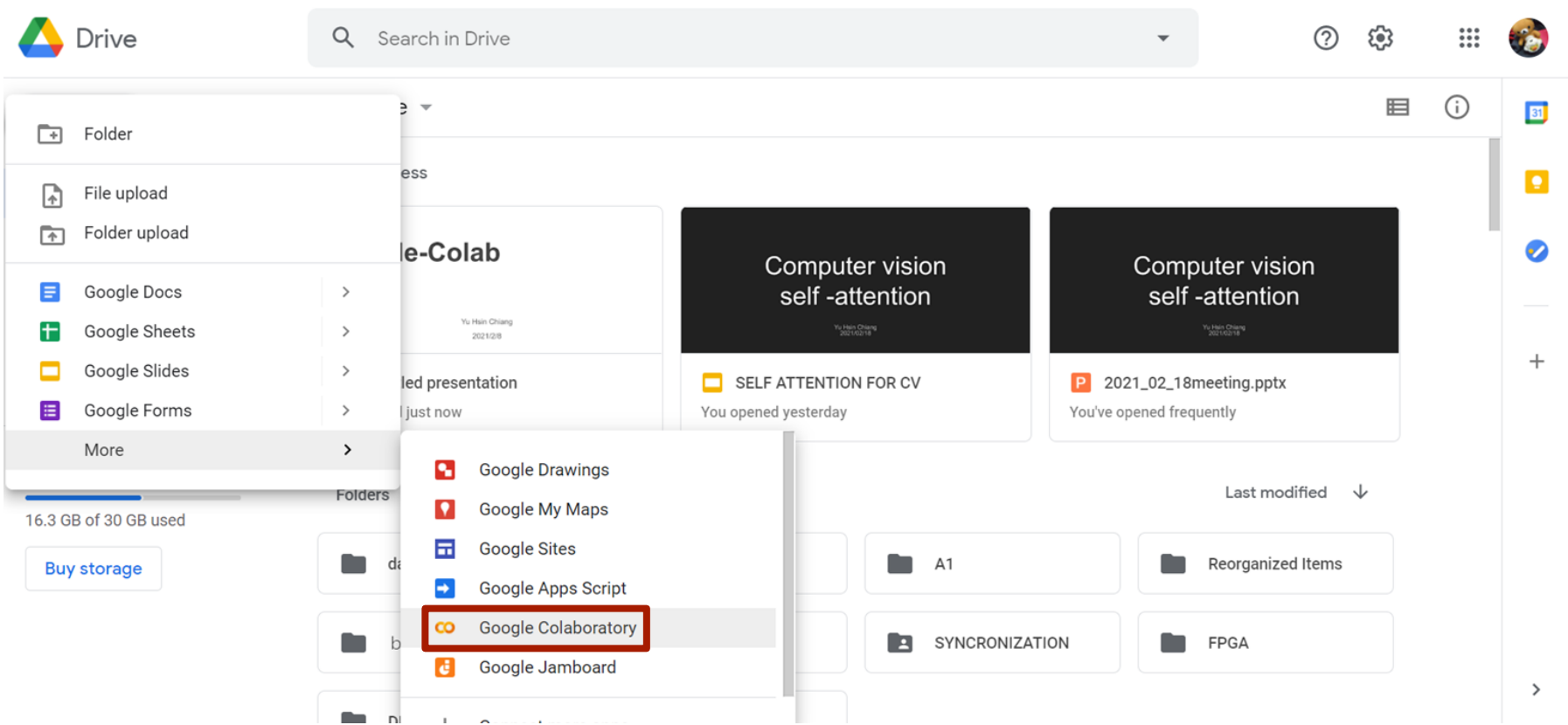
Google-Colab

黃威澄


Google
google colab
全部
影片
圖片
書籍
購物
更多
設定
工具
約有 5,520,000 項結果 (搜尋時間：0.35 秒)
colab.research.google.com 翻譯這個網頁
Google Colab
Colab notebooks allow you to combine executable code and rich text in a single document, along with images, HTML, LaTeX and more. When you create your ...
您於 2021/2/18 造訪這個網頁。
Introduction to Colab and Python
Welcome to this Colab where you will get a quick introduction to ...
Colaboratory
Colaboratory, or “Colab” for short, is a product from Google ...
TensorFlow versions in Colab
Colab has two versions of TensorFlow pre-installed: a 2.x ...
Use your Google Account
Sign in. Use your Google Account. Email or phone. Forgot email ...
Overview of Colaboratory
Type Alt+Enter to run the cell and insert a new code cell ...
Importing a library that is not in…
To import a library that's not in Colaboratory by default, you ...
google.com 的其他相關資訊 »

New file

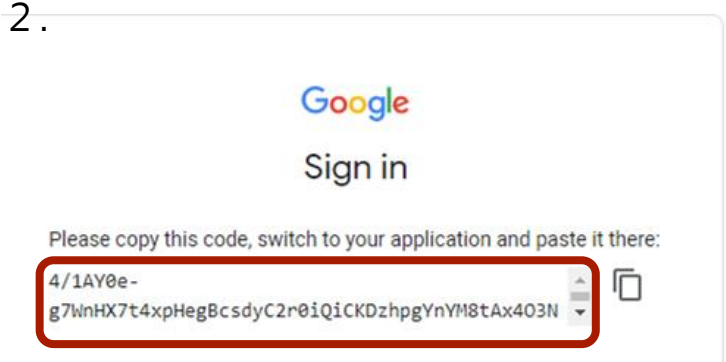

範例
最近
Google 雲端硬碟
GitHub
上傳
篩選筆記本
標題
初次開啟
上次開啟時間
歡迎使用 Colaboratory
2021年2月5日
0 分鐘前
Untitled1.ipynb
4 分鐘前
4 分鐘前
without attention.ipynb
4 天前
1 天前
Untitled0.ipynb
2 天前
1 天前
attention.ipynb
4 天前
3 天前
新增筆記本
取消


Drive
Search in Drive
Folder
File upload
Folder upload
Google Docs
Google Sheets
Google Slides
Google Forms
More
Google Drawings
Google My Maps
Google Sites
Google Apps Script
Google Colaboratory
Google Jamboard
Computer vision self -attention
SELF ATTENTION FOR CV
You opened yesterday
Computer vision self -attention
2021_02_18meeting.pptx
You've opened frequently
Last modified
A1
Reorganized Items
SYNCRONIZATION
FPGA
16.3 GB of 30 GB used
Buy storage

Link to google drive

1.

2.

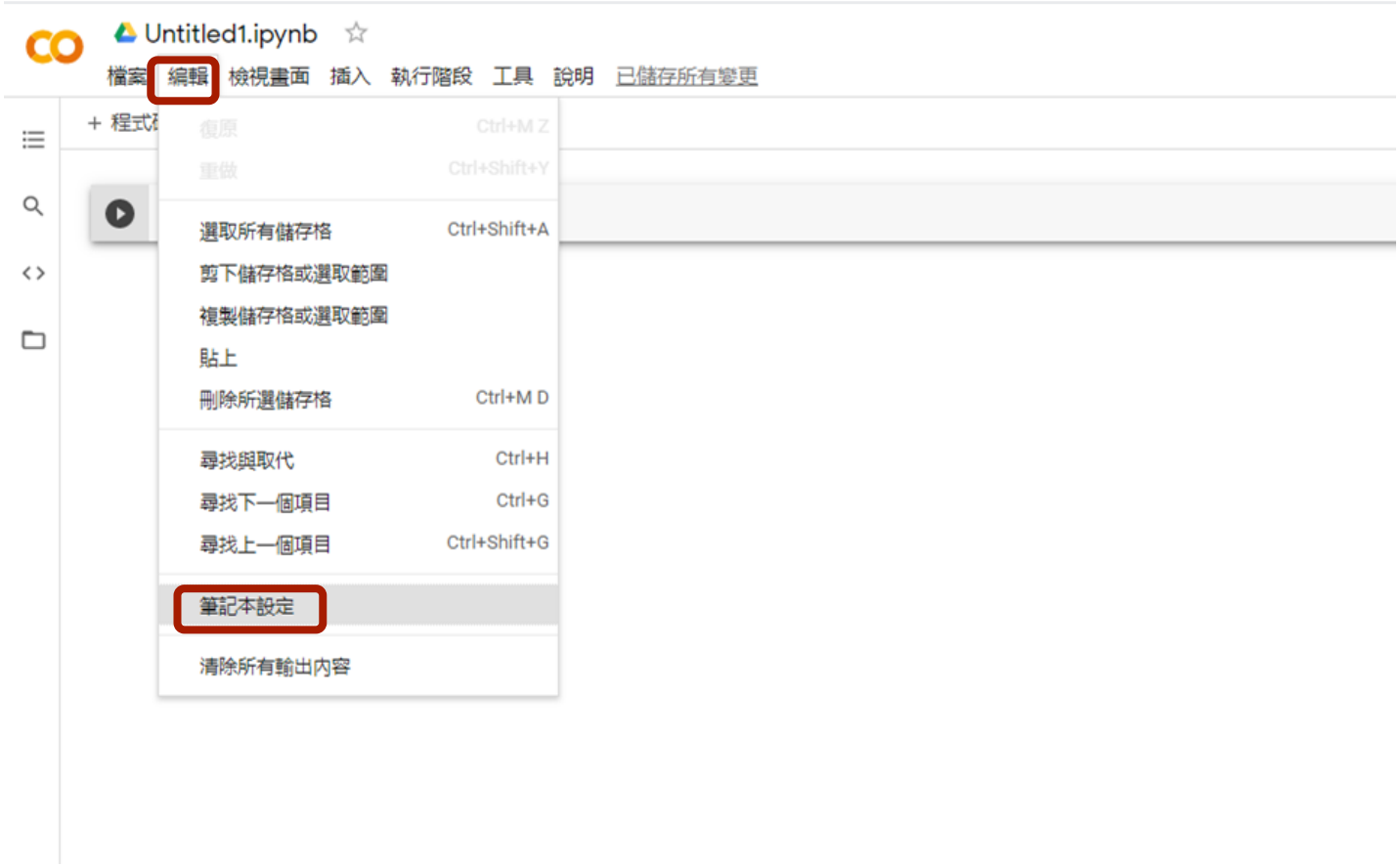


3.

```
from google.colab import drive
drive.mount('/content/drive')
==========================================
Mounted at /content/drive
```

GPU set up

Untitled4.ipynb
檔案 編輯 檢視畫面 插入 執行階段 工具 說明 上次儲存時間：上午6:12
程式碼 + 文字
全部執行 Ctrl+F9
執行上方的儲存格 Ctrl+F8
執行聚焦的儲存格 Ctrl+Enter
執行選取範圍 Ctrl+Shift+Enter
執行下方的儲存格 Ctrl+F10
中斷執行 Ctrl+M I
重新啟動執行階段 Ctrl+M .
重新啟動並執行所有儲存格
恢復原廠設定的執行階段
變更執行階段類型
管理工作階段
查看執行階段記錄
import torch
import torch.nn as
import torch.nn.funct
import torch.optim a
[ ] print('Pytorch版本為:
from torchvision imp
Pytorch版本為: {} 1.7.
[ ] DEVICE = torch.devic
[ ] BATCH_SIZE = 512
EPOCHS = 1


Untitled1.ipynb
檔案 編輯 檢視畫面 插入 執行階段 工具 說明 已儲存所有變更
+ 程式碼
復原 Ctrl+M Z
重做 Ctrl+Shift+Y
選取所有儲存格 Ctrl+Shift+A
剪下儲存格或選取範圍
複製儲存格或選取範圍
貼上
刪除所選儲存格 Ctrl+M D
尋找與取代 Ctrl+H
尋找下一個項目 Ctrl+G
尋找上一個項目 Ctrl+Shift+G
筆記本設定
清除所有輸出內容

筆記本設定
硬體加速器
GPU
None
GPU
TPU
ab 的最大效益，請避免在不
使用 GPU。 瞭解詳情
儲存這個筆記本時，忽略程式碼儲存格輸出內容
取消
儲存
(0.3081,))
数据。
为0方差为1的数据分布

GPU version

```
!nvidia-smi
```

```
==========================================
```

```
Mon Feb 22 08:23:10 2021
+-----------------------------------------------------------------------------+
| NVIDIA-SMI 460.39       Driver Version: 460.32.03    CUDA Version: 11.2     |
|-------------------------------+----------------------+----------------------+
| GPU  Name        Persistence-M| Bus-Id        Disp.A | Volatile Uncorr. ECC |
| Fan  Temp  Perf  Pwr:Usage/Cap|         Memory-Usage | GPU-Util  Compute M. |
|                               |                      |               MIG M. |
|===============================+======================+======================|
|   0  Tesla T4            Off  | 00000000:00:04.0 Off |                    0 |
| N/A   58C    P8    11W /  70W |      0MiB / 15109MiB |      0%      Default |
|                               |                      |                  N/A |
+-------------------------------+----------------------+----------------------+

+-----------------------------------------------------------------------------+
| Processes:                                                                  |
|  GPU   GI   CI        PID   Type   Process name                  GPU Memory |
|        ID   ID                                                   Usage      |
|=============================================================================|
|  No running processes found                                                 |
+-----------------------------------------------------------------------------+
```

Get file directory

```
import os
os.getcwd()
========================================
/content
```

Changing file directory

```
import os
os.chdir('/content/drive/My Drive/Colab Notebooks/Non-local_pytorch-master')
!ls

==========================================
attention.ipynb                         nl_map_save.py
 demo_MNIST_AMP_train_with_single_gpu.py   nl_map_vis
 demo_MNIST_train.py                         Non-Local_pytorch_0.3.1
 drive                                       Non-Local_pytorch_0.4.1_to_1.1.0
 lib                                         README.md
 LICENSE                                 weights
 mnist                                      'without attention.ipynb'
 net.pth
```

Changing file folder

```
%cd drive/My Drive/Colab Notebooks/Non-local_pytorch-master
!ls
==========================================
attention.ipynb                         nl_map_save.py
 demo_MNIST_AMP_train_with_single_gpu.py   nl_map_vis
 demo_MNIST_train.py                         Non-Local_pytorch_0.3.1
 drive                                       Non-Local_pytorch_0.4.1_to_1.1.0
 lib                                         README.md
 LICENSE                                 weights
 mnist                                          'without attention.ipynb'
 net.pth
```