

Google-Colab

黃威澄



google colab



全部

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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 Colaboratory

Welcome to this Colab where you will get a quick introduction to ...

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

是 Colaboratory

稱為「

何設定

PU

數據資料

件並非

是包含

a_day

a_day

字格中的

台編輯和

定義的變

```
a_week = 7 * seconds_in_a_day
a_week
```

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



Search in Drive



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- Google Jamboard

ess

le-Colab

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2021/2/18

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Computer vision
self -attention

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2021/2/18

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2021/2/18

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16.3 GB of 30 GB used

[Buy storage](#)

Folders



Last modified ↓



A1



SYNCRONIZATION



Reorganized Items




FPGA



Link to google drive

1.



from google.colab import drive
drive.mount('/content/drive')

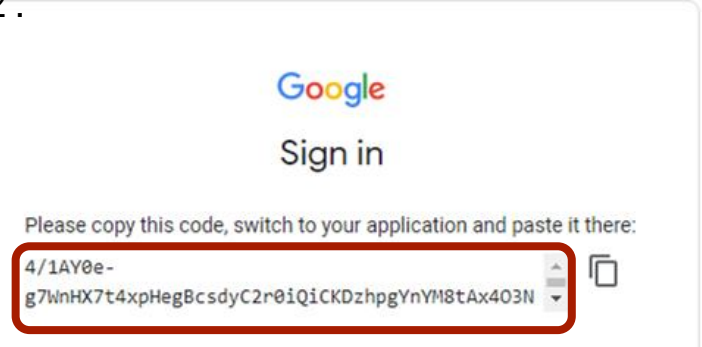
Go to this URL in a browser: <https://accounts.google.com/o/oauth2/auth>

Enter your authorization code:

3.

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

2.



Google
Sign in

Please copy this code, switch to your application and paste it there:

4/1AY0e-
g7WnHX7t4xpHegBcsdyC2r0iQiCKDzhpgYnYM8tAx403N

GPU set up



The screenshot shows the JupyterLab interface with a file named 'Untitled4.ipynb'. The top menu bar includes '檔案' (File), '編輯' (Edit), '檢視畫面' (View), '插入' (Insert), '執行階段' (Execute), '工具' (Tools), '說明' (Help), and '上次儲存時間: 上午6:12' (Last saved time: 6:12 AM). The '執行階段' menu is open, displaying various execution options with their corresponding keyboard shortcuts. The option '變更執行階段類型' (Change execution stage type) is highlighted with a red box. The code editor on the left contains Python code for importing PyTorch and torchvision, printing the PyTorch version, and setting device, batch size, and epochs.

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

```
import torch
import torch.nn as nn
import torch.nn.functional as F
import torch.optim as optim

print('Pytorch版本为: ', torch.__version__)

from torchvision import models

Pytorch版本为: {} 1.7.0

[ ] DEVICE = torch.device('cuda:0')

[ ] BATCH_SIZE = 512
    EPOCHS = 1
```

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



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

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
```