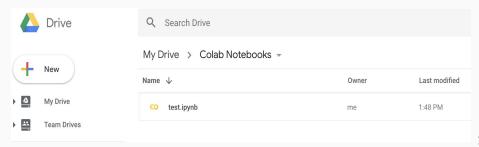
Colab

Ching-Yi Lee 2018/09/07

Introduction

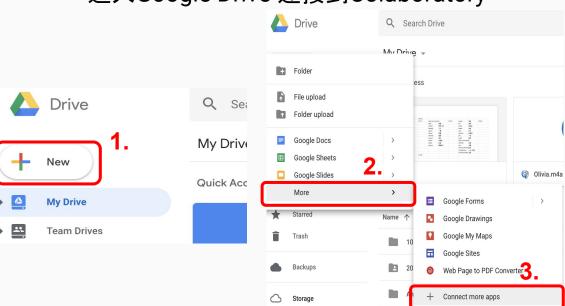
- 類似Jupyter Notebook, 互動式介面, 及時輸出結果
- 儲存在Drive 上, 可以共同編輯
- 背後有VM 在運作
- 可連續使用免費的 Tesla K80 GPU 12小時(每次)
- 許多套件已事先安裝, 例如: TensorFlow, Scikit-learn, Matplotlib

→ Text Note: goo.gl/vmJGJ4



Setup

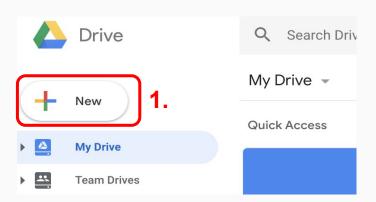
● 進入Google Drive 連接到Colaboratory

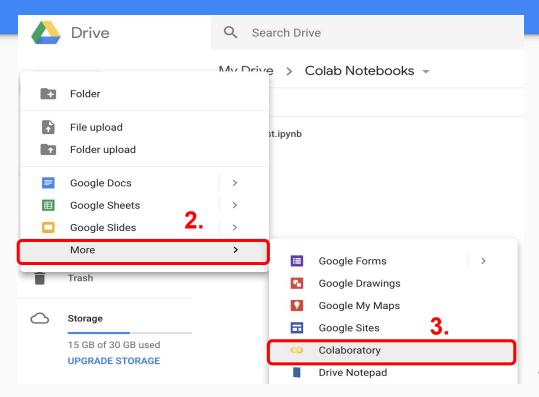




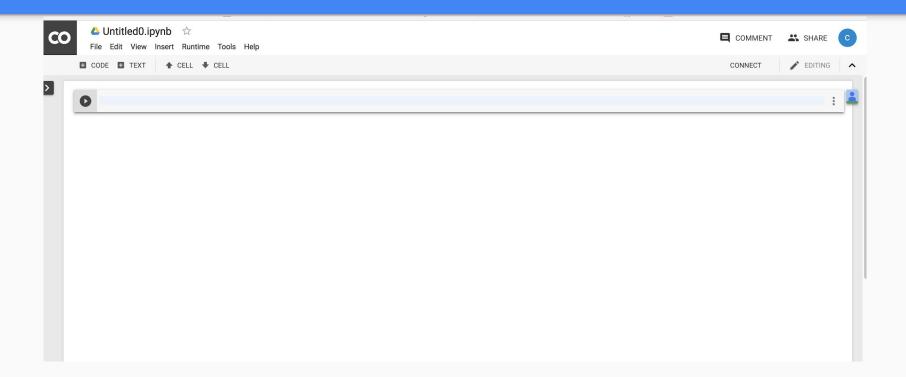
Setup

● 建立一個新的Colaboratory





建立完成



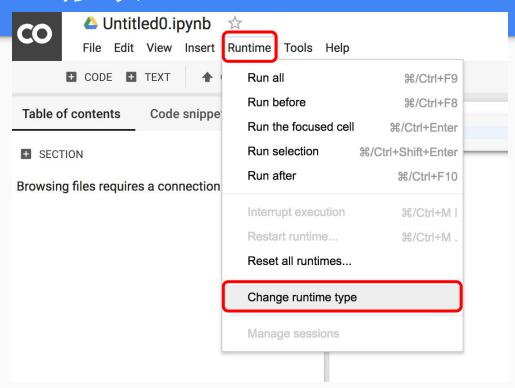
修改名稱



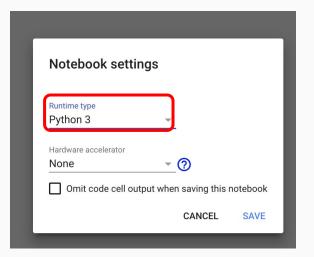
查看檔案



修改Runtime



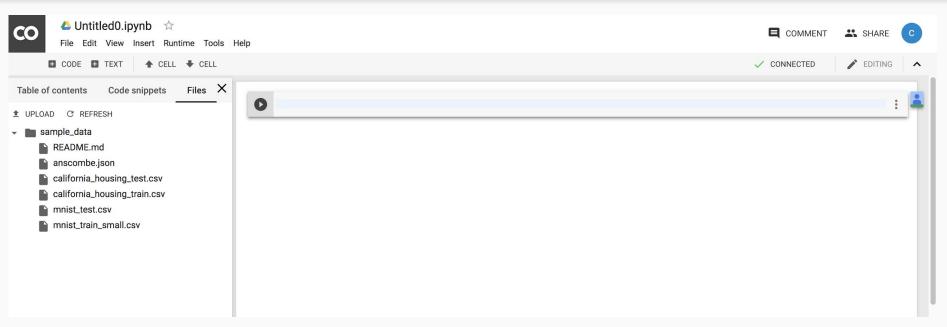
● 使用 Python 3



連接VM



連接完成



基本語法 - Python

● 輸入 python 程式碼,點擊「Run」或是「Ctrl + Enter」執行程式碼區塊。



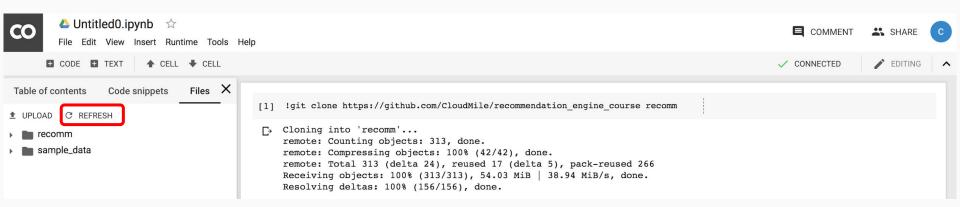
基本語法 - Shell

• 前面加上!



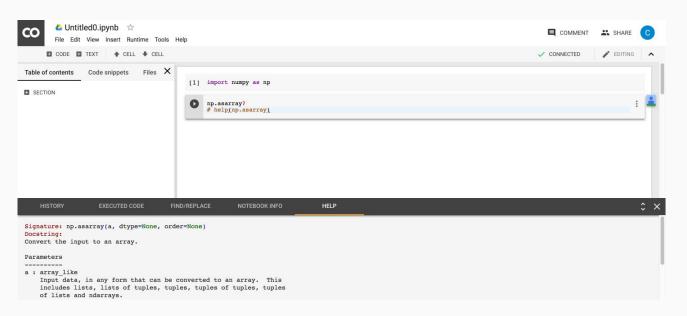
基本語法 - git

● 從Github 複製檔案, 執行後更新Files的資料夾

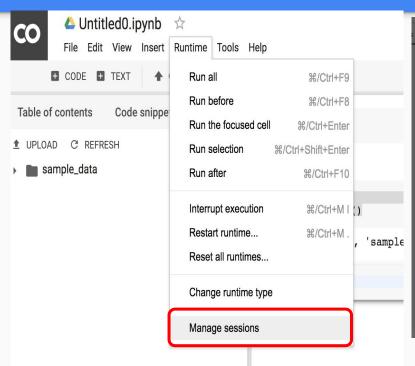


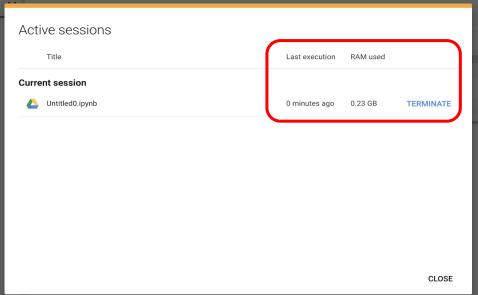
特殊語法 - 查看

● 在function 前面加上? 或是用help()可以查看documentation

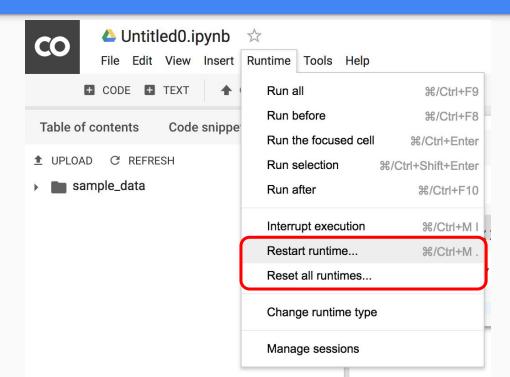


管理Session

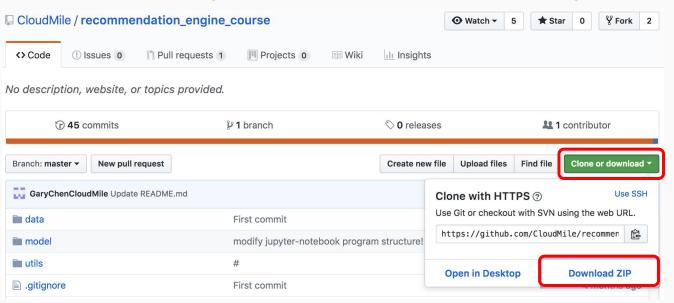




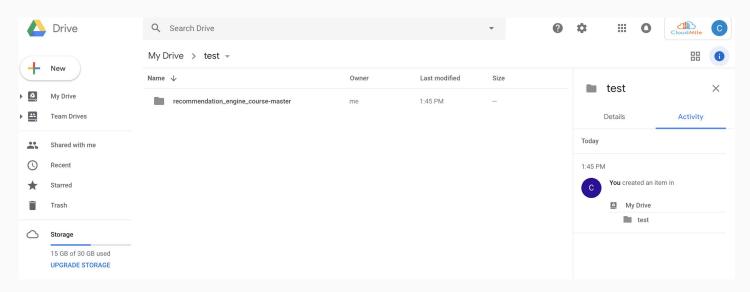
Restart runtime/ Reset runtime

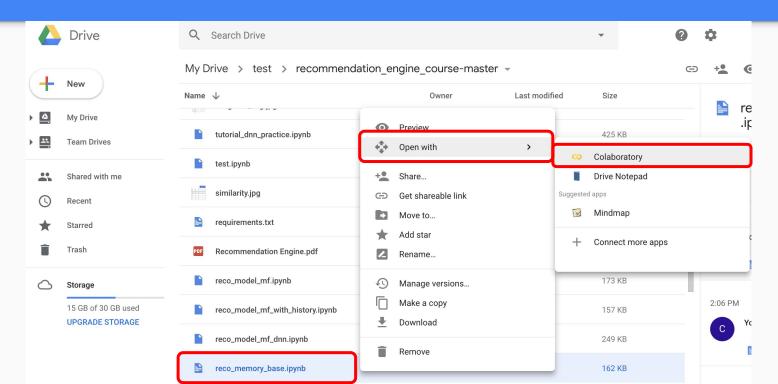


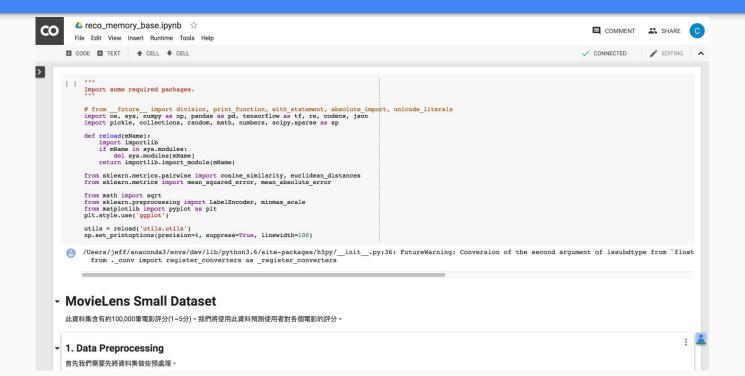
從網站下載 code 到本機 -> 網址: github.com/CloudMile/recommendation_engine_course



● 解壓縮後, 上傳整個資料夾到Google Drive







Reference

- https://colab.research.google.com/drive/1jt6Dk2MoUaBZu0nUuQpNAzVf Mpm08Vps?authuser=1#scrollTo=zmVS_blsW2Cq
- https://research.google.com/colaboratory/faq.html#gpu-availability
- https://research.google.com/colaboratory/local-runtimes.html