

# 輕鬆學習 Python I 從基礎到應用，成為初級 Python 資料分析師

*Preliminaries:* 建置環境

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## 必修

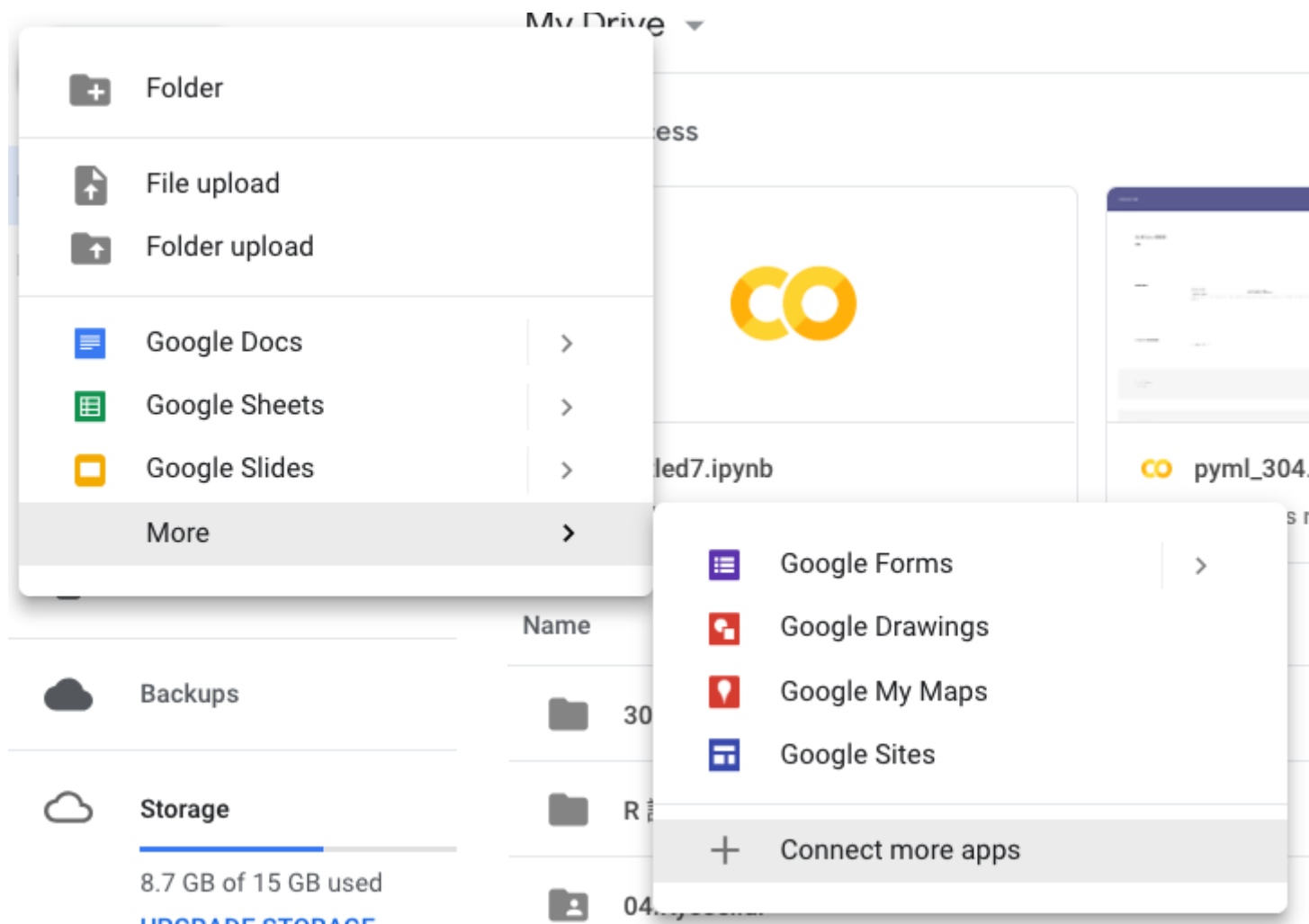
- Gmail 帳號
- 基礎 Python 程式設計

# 環境

- 課程採用 [Google Colab \(https://colab.research.google.com\)](https://colab.research.google.com) 的環境
- 需要 Gmail 帳號與 Chrome 瀏覽器

**開啟 Google Cloud Drive**

# 新增、更多、連結更多應用程式



# 搜尋 Colaboratory

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colab



## Colaboratory

offered by <https://colab.research.google.com>

A data analysis tool that combines code, output, and descriptive text into one collaborative document.

**+ CONNECT**

Productivity

★★★★★ (188)

# 連結 Colaboratory

Connect apps to Drive



All ▾

colab ✕

**Colaboratory**  
offered by <https://colab.research.google.com>

A data analysis tool that combines code, output, and descriptive text into one collaborative document.

★ RATE IT

Productivity

★★★★★ (188)

**Colaboratory** was connected to Google Drive.

☒ Make **Colaboratory** the default app for files it can open

OK

**檢查環境**



```
In [1]: import numpy
print('numpy:', numpy.__version__)

import pandas
print('pandas:', pandas.__version__)

import matplotlib
print('matplotlib:', matplotlib.__version__)

import sklearn
print('scikit-learn:', sklearn.__version__)
```

```
numpy: 1.15.4
pandas: 0.23.4
matplotlib: 3.0.2
scikit-learn: 0.20.1
```