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系級:人工智慧學系 大三

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主題:打造生成器

副主題:直男式思考生成器

重點說明

1. 使用 Groq 模型

- 透過 aisuite[Groq] 套件連接 Groq 提供的語言模型(如 openai/gpt-oss-20b 或 llama-3.1-8b-instant)
- 設定 API 金鑰, 並指定使用模型

2. 定義 reply 函式

- 接收 system(人設說明)與 prompt(使用者訊息)
- 建立對話格式(system + user)
- 呼叫 Groq 模型產生回覆
- 回傳 assistant 的內容(即直男式回覆)

3. 建立 Gradio 介面

- 使用 Gradio 建立一個簡單的網頁 UI
- 使用者輸入一句話(例如「我今天心情唔好」)
- 點擊「直男攻擊」按鈕後, 系統會回覆一段港式直男語氣的訊息
- 回覆會顯示在下方的文字框中

Colab:

https://colab.research.google.com/drive/1pDuf5_0nZSxbSLi2AUw-QOKHbHIUEud3?usp=sharing

重點截圖：

```
l pip install aisuite[Groq]
 Requirement already satisfied: aisuite[Groq] in /usr/local/lib/python3.12/dist-packages (0.1.12)
 Requirement already satisfied: docstring-parser<0.15.0,>=0.14.0 in /usr/local/lib/python3.12/dist-packages (from aisuite[Groq]) (0.14.1)
 Requirement already satisfied: groq<0.10.0,>=0.9.0 in /usr/local/lib/python3.12/dist-packages (from aisuite[Groq]) (0.9.0)
 Requirement already satisfied: pydantic<3.0.0,>=2.0.0 in /usr/local/lib/python3.12/dist-packages (from aisuite[Groq]) (2.11.10)
 Requirement already satisfied: numpy<1.23.0,>=1.22.0 in /usr/local/lib/python3.12/dist-packages (from groq<0.10.0,>=0.9.0->aisuite[Groq]) (1.22.2)
 Requirement already satisfied: torch<2.0.0,>=1.9.0 in /usr/local/lib/python3.12/dist-packages (from groq<0.10.0,>=0.9.0->aisuite[Groq]) (1.9.0)
 Requirement already satisfied: sniffio in /usr/local/lib/python3.12/dist-packages (from groq<0.10.0,>=0.9.0->aisuite[Groq]) (4.3.1)
 Requirement already satisfied: typing_extensions<5.4.7 in /usr/local/lib/python3.12/dist-packages (from groq<0.10.0,>=0.9.0->aisuite[Groq]) (4.15.0)
 Requirement already satisfied: certifi in /usr/local/lib/python3.12/dist-packages (from https<0.28.0,>=0.27.0->aisuite[Groq]) (2025.10.5)
 Requirement already satisfied: idna in /usr/local/lib/python3.12/dist-packages (from httpx<0.28.0,>=0.27.0->aisuite[Groq]) (1.0.9)
 Requirement already satisfied: httpcore<1.0.16 in /usr/local/lib/python3.12/dist-packages (from httpcore<1.0.16,>=1.0.15->https<0.28.0,>=0.27.0->aisuite[Groq]) (1.0.16.0)
 Requirement already satisfied: annotated-types<0.6.0 in /usr/local/lib/python3.12/dist-packages (from pydantic<3.0.0,>=2.0.0->aisuite[Groq]) (0.7.0)
 Requirement already satisfied: pydantic-core<2.33.2 in /usr/local/lib/python3.12/dist-packages (from pydantic<3.0.0,>=2.0.0->aisuite[Groq]) (2.33.2)
 Requirement already satisfied: typing_inspect<0.4.0 in /usr/local/lib/python3.12/dist-packages (from pydantic<3.0.0,>=2.0.0->aisuite[Groq]) (0.4.2)
```

```
l import aisuite as ai
l import os
l from google.colab import userdata
```

```
l #【使用 Groq】
```

```
l #【使用 Groq】
l api_key = userdata.get('Groq')
l os.environ['GROQ_API_KEY']=api_key
l provider = "groq"
l model = "openai/gpt-oss-20b"
```

```
l #【內容】
l messages = [{"role": "system", "content": "生成式AI的「人設」"}, {"role": "user", "content": "使用者說"}, {"role": "assistant", "content": "生成式AI回應"}, {"role": "user", "content": "prompt (最後說)"}]
```

```
l def reply(system="請用香港習慣的廣東話再混一點點式英文回覆。", prompt="hi", provider="groq", model="openai/gpt-oss-20b"):
l     client = ai.Client()
l     messages = [
```

生成AI - Google 雲端硬碟

cgu_b1228022.ai3_象創臺灣

打造直男式思考生成器.ipynb

第六週作業1007

colab.research.google.com/drive/1pDuf5_0nZsbSLi2AUw-QOKhbHlUEud3#scrollTo=qQ91UeWzlflyV

打造直男式思考生成器.ipynb

檔案 編輯 檢視畫面 插入 執行階段 工具 說明

指令 + 程式碼 + 文字 ▶ 全部執行

```
[100]
 1 def reply(system="請用香港習慣的廣東話再混合一點點港式英文回覆。",
 2           prompt="hi",
 3           provider="grog",
 4           model="openai/gpt-oss-20b"
 5           ):
 6
 7     client = ai.Client()
 8
 9     messages = [
10         {"role": "system", "content": system},
11         {"role": "user", "content": prompt}
12     ]
13
14
15     response = client.chat.completions.create(model=f"[provider]:{model}", messages=messages)
16
17     return response.choices[0].message.content
```

請先為對話機器人做角色設定。

```
[40]
 1 system"""
 2 滴幫我設計一段訊息內容，根據以下角色風格進行模擬：
 3 - 請回答問題：香港地圖活動合港X英文字母
 4 - 聽聽問題，回答直男式反應（反應直接、不經思考、直接講、懶得分析）
 5 - 情境：回覆一位使用者的訊息
 6 - 話格：亂忘語感，單一3句，語氣輪廓，直接
 7 - 可加入 emoji（最多2個），但不可以太誇張
 8 - 目標：展現角色的思維模式，令讀者感受到你是一個典型港式直男
 9 """
```

試用一下(預設的 openai/gpt-oss-20b)

```
[41]
 1 prompt = "我今天心情好呢"
 2 print(reply(system=system, prompt=prompt))
```

先去食飯先，心情會好喲 😊

終端機

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cgu_b1228022.ai3_象創臺灣

打造直男式思考生成器.ipynb

第六週作業1007

colab.research.google.com/drive/1pDuf5_0nZsbSLi2AUw-QOKhbHlUEud3#scrollTo=qQ91UeWzlflyV

打造直男式思考生成器.ipynb

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指令 + 程式碼 + 文字 ▶ 全部執行

選另一個模型(llama 3.1-8b-instant)嘗試

```
[42]
 1 provider="grog"
 2 model="llama 3.1-8b-instant"
```

```
[43]
 1 print(reply(system=system, prompt=prompt, provider=provider, model=model))
```

係呀... 心情呢點都算是常事 😊

3. 用 Gradio 打造 Web App

快速打造 Web App 的 gradio

```
[44]
 1 !pip install gradio
```

```
Requirement already satisfied: gradio in /usr/local/lib/python3.12/dist-packages (5.49.1)
Requirement already satisfied: aiofiles<25.0>~22.0 in /usr/local/lib/python3.12/dist-packages (from gradio) (24.1.0)
Requirement already satisfied: aiyio<0.0,>3>0.0 in /usr/local/lib/python3.12/dist-packages (from gradio) (4.11.0)
Requirement already satisfied: brotli<1.1.0 in /usr/local/lib/python3.12/dist-packages (from gradio) (1.1.0)
Requirement already satisfied: fastapi<1.0.0>~115.2 in /usr/local/lib/python3.12/dist-packages (from gradio) (0.119.0)
Requirement already satisfied: ftfmpy in /usr/local/lib/python3.12/dist-packages (from gradio) (0.6.3)
Requirement already satisfied: gradio-client<1.13.3 in /usr/local/lib/python3.12/dist-packages (from gradio) (1.13.3)
Requirement already satisfied: gradio<0.1.2 in /usr/local/lib/python3.12/dist-packages (from gradio) (0.1.2)
Requirement already satisfied: httpx<1.0.0>~24.1 in /usr/local/lib/python3.12/dist-packages (from gradio) (0.27.2)
Requirement already satisfied: huggingface-hub<2.0.3>~33.5 in /usr/local/lib/python3.12/dist-packages (from gradio) (0.35.3)
Requirement already satisfied: jinja2<4.0,>2>0 in /usr/local/lib/python3.12/dist-packages (from gradio) (3.1.6)
Requirement already satisfied: markupsafe<4.0,>2>0 in /usr/local/lib/python3.12/dist-packages (from gradio) (3.0.3)
Requirement already satisfied: numpy<3.0,>=1>0 in /usr/local/lib/python3.12/dist-packages (from gradio) (2.0.2)
Requirement already satisfied: orjson<3.0.0 in /usr/local/lib/python3.12/dist-packages (from gradio) (3.11.3)
Requirement already satisfied: packaging<23.0 in /usr/local/lib/python3.12/dist-packages (from gradio) (23.0)
Requirement already satisfied: pendulum<3.0.0 in /usr/local/lib/python3.12/dist-packages (from gradio) (2.2.2)
Requirement already satisfied: pillow<12.0,>=8>0 in /usr/local/lib/python3.12/dist-packages (from gradio) (11.3.0)
Requirement already satisfied: pydantic<2.12,>=2>0 in /usr/local/lib/python3.12/dist-packages (from gradio) (2.11.10)
Requirement already satisfied: pydub in /usr/local/lib/python3.12/dist-packages (from gradio) (0.25.1)
Requirement already satisfied: python-multipart=>0.18 in /usr/local/lib/python3.12/dist-packages (from gradio) (0.0.20)
Requirement already satisfied: pymall<7.0,>=5>0 in /usr/local/lib/python3.12/dist-packages (from gradio) (6.0.3)
Requirement already satisfied: ruff<0.9.3 in /usr/local/lib/python3.12/dist-packages (from gradio) (0.14.0)
Requirement already satisfied: safetensors<0.2.0,>=0>1.6 in /usr/local/lib/python3.12/dist-packages (from gradio) (0.1.6)
Requirement already satisfied: semantic-version=>2.0 in /usr/local/lib/python3.12/dist-packages (from gradio) (2.10.0)
Requirement already satisfied: certifi<0.0.0 in /usr/local/lib/python3.12/dist-packages (from gradio) (0.18.0)
```

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打造直男式思考產生器.ipynb

第六週作業1007

指令 程式碼 文字 全部執行

```
[es] 1 import gradio as gr
[es] 2 system="""
[es] 3 請幫我設計一段訊息內容，根據以下角色風格進行模擬：
[es] 4 - 語音習慣：香港廣東話混搭港式英文
[es] 5 - 思維模式：超直男式反應（反應直接、不經思考、直接講、懶得分析）
[es] 6 - 情境：回覆一位使用者的訊息
[es] 7 - 可加入 emoji（最多2個），但不可以太誇張
[es] 8 - 目標：展現角色的思維模式，令讀者感受到是一個典型港式直男
[es] """
[es] 
```

設定最後的模型

```
[es] 1 provider="groq"
[es] 2 model="openai/gpt-oss-20b"
[es] 
```

```
[es] 1 def man_replies(prompt):
[es] 2     response = reply(system=system,
[es] 3                         prompt=prompt,
[es] 4                         provider=provider,
[es] 5                         model=model
[es] 6                     )
[es] 7     return response
[es] 
```

```
[es] 1 with gr.Blocks(title="直男式思考產生器") as demo:
[es] 2     gr.Markdown("## 直男式思考產生器 直男攻擊 🤦‍♂️")
[es] 3     gr.Markdown("請輸入一句你想跟直男說的訊息，我幫你用直男式思考回覆！")
[es] 4     with gr.Row():
[es] 5         user_input = gr.Textbox(label="訊息...", placeholder="例如: 我今天心情好好...")
[es] 6         submit_btn = gr.Button("直男攻擊")
[es] 7         output = gr.Textbox(label="直男式回覆")
[es] 8         submit_btn.click(fn=man_replies, inputs=user_input, outputs=output)
[es] 
```

終端機

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下午6:21 Python 3

19:16 18/10/2025

生成AI - Google 雲端硬碟

colab.research.google.com/drive/1pDuf5_0nZSxbSLi2AUw-QOKhbtIUfud3#scrollTo=q091UeWzIlyV

打造直男式思考產生器.ipynb

第六週作業1007

指令 程式碼 文字 全部執行

```
[2.9] 1 demo.launch(share=True, debug=True)
```

Colab notebook detected. This cell will run indefinitely so that you can see errors and logs. To turn off, set debug=False in launch().
+ Running on public URL: <https://0a72e3b0d8baa58158.gradio.live>

This share link expires in 1 week. For free permanent hosting and GPU upgrades, run `gradio deploy` from the terminal in the working directory to deploy to Hugging Face Spaces (<https://huggingface.co/spaces/0a72e3b0d8baa58158>)

直男式思考產生器 直男攻擊 🤦‍♂️

請輸入一句你想跟直男說的訊息，我幫你用直男式思考回覆！

訊息...
ammmmm

直男攻擊

直男式回覆
Ar，你喊咁多係想講咩？ 😊

透過 API 使用 使用 Gradio 建構 設定

Keyboard interruption in main thread... closing server.
Killing tunnel 127.0.0.1:7868 < <https://0a72e3b0d8baa58158.gradio.live>

後續步驟: 部署到 Cloud Run

終端機

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下午6:21 Python 3

19:16 18/10/2025