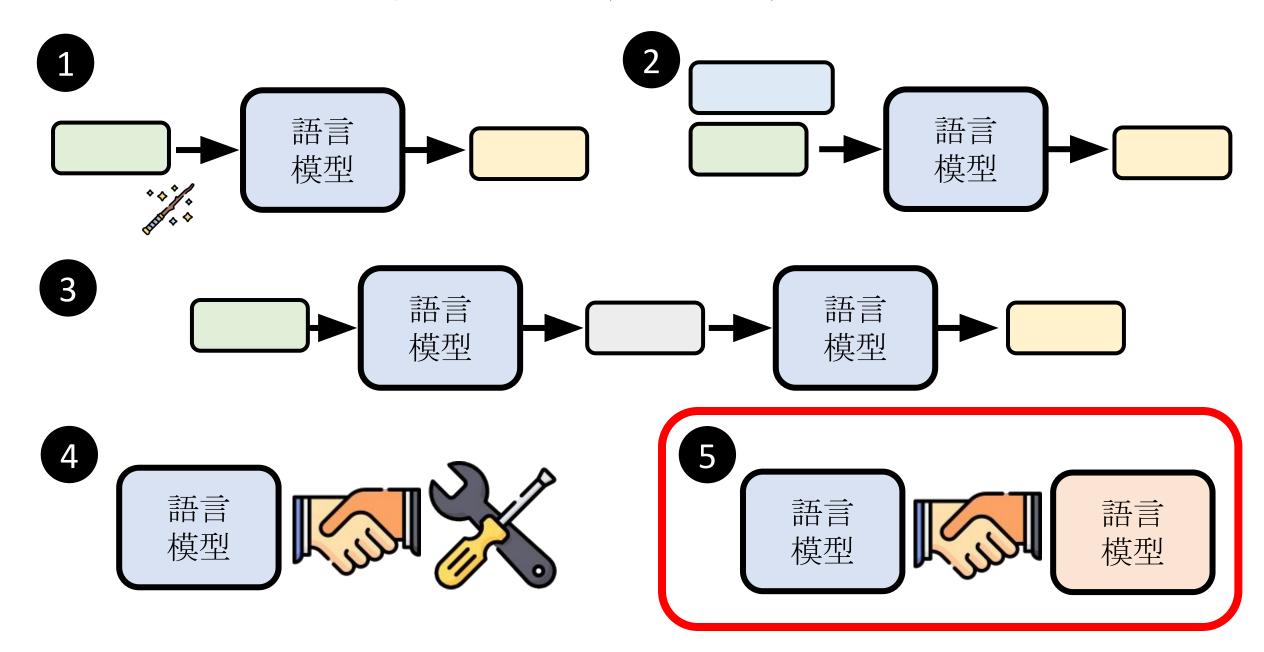
有那些在不訓練模型的情況下強化語言模型的方法



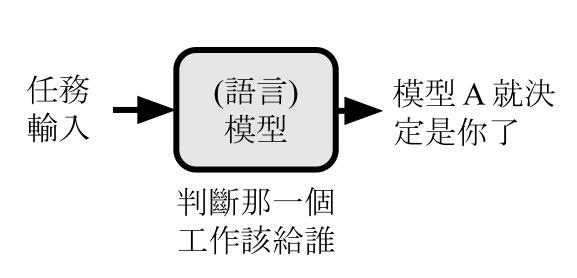


從《葬送的芙莉蓮》 25, 26 話動畫講起

從《葬送的芙莉蓮》25,26 話動畫講起

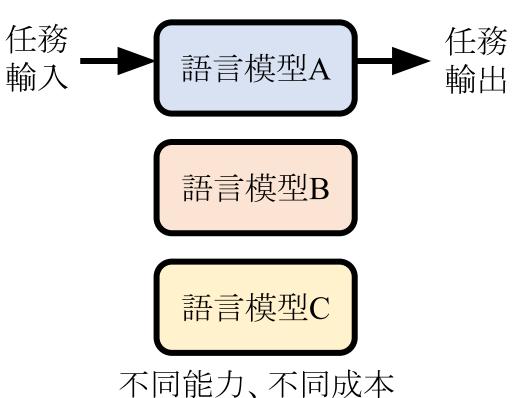


模型合作:讓合適的模型做合適的事情



其實在展示平台上為你服務的不一定是 同一個模型

FrugalGPT https://arxiv.org/abs/2305.05176



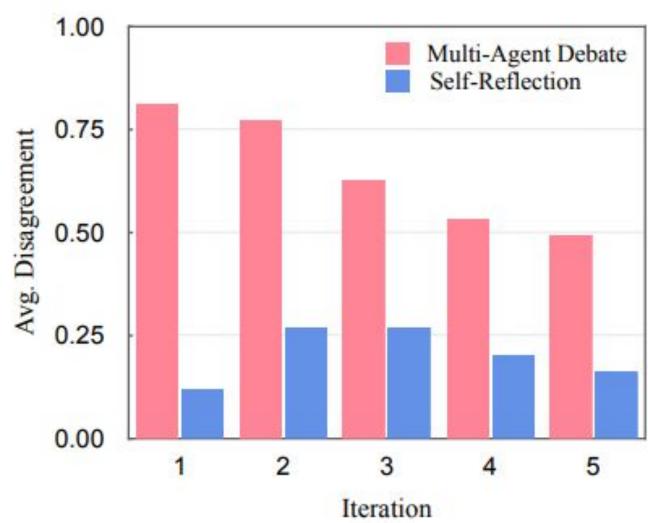
video:

https://youtu.be/vxxPtDCb9Go?si=WO4eqPTHDyS1pal3 https://youtu.be/VpKN3KvSK6c?si=lyqO8QSHBno89HIG

模型合作:讓模型彼此討論

討論 <u> 反省</u> 任務 輸入 任務 任務 輸入 輸入 語言 語言 語言 模型A 模型B 模型

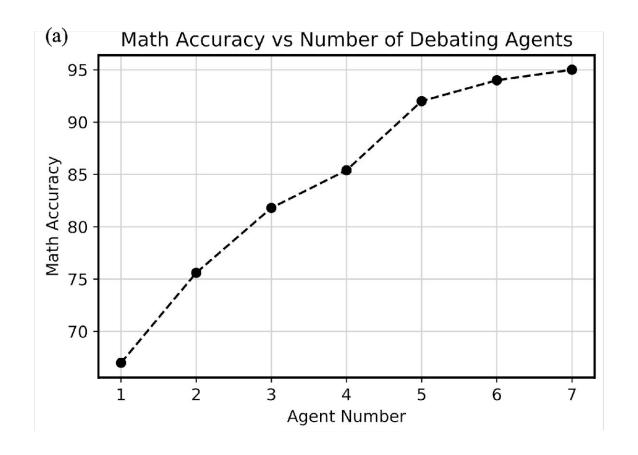
模型合作:讓模型彼此討論

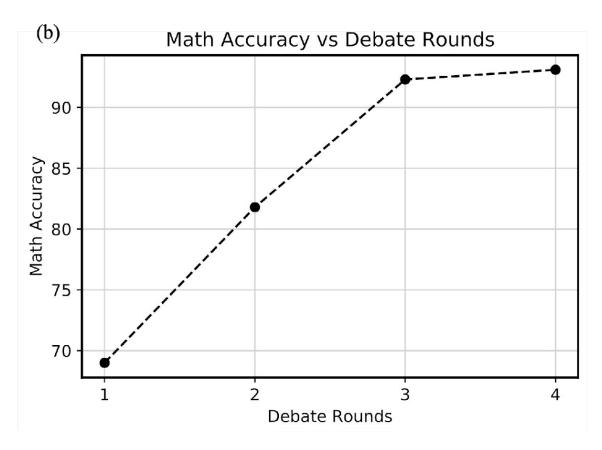


https://arxiv.org/abs/2305.19118

模型合作:多一點模型一起討論

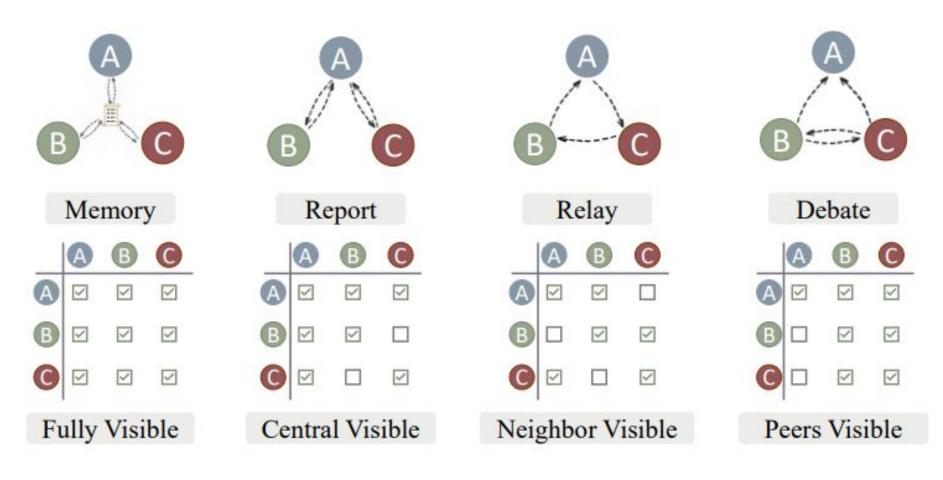
https://arxiv.org/abs/2305.14325





模型合作:多模型怎麼討論

Exchange-of-Thought https://arxiv.org/abs/2312.01823



不同任務最合適的討論方式是不一樣的

討論要怎 我覺得... 麼停下 語言模型A 來? 我不同意 語言模型B 未達成共識, 討論繼續 裁判 模型 那我覺得... 語言模型A 有道理 語言模型B 裁判 達成共識, 結論是 模型

https://arxiv.org/abs/2305.19118

討論會不會停不下

Level	Prompt
0	Both sides must reach a full consensus on every point of the debate. Every statement must be agreed upon by both sides.
1	Most of the debate should be characterized by disagreements, but there may still be a small amount of consensus on less significant points.
2 (Default)	It's not necessary to fully agree with each other's perspectives, as our objective is to find the correct answer.
3	Both sides must disagree with each other on every point of the debate. There should be no consensus whatsoever.

為反對而反對

Debate Length	Prompt https://arxiv.org/abs/2305.14325
Short	"These are the solutions to the problem from other agents: [other answers] Based off the opinion of other agents, can you give an updated response"
Long	"These are the solutions to the problem from other agents: [other answers] Using the opinion of other agents as additional advice, can you give an updated response"

團隊需要有 不同的腳色



引入不同的腳色

把一個人活成一個團隊

https://arxiv.org/abs/2303.17760

完成某項專案



Al project manager



先做 A, 再做 B, 然 後 C



Al programmer e.g. Code llama

寫程式



試用一下 ...

給建議

創造不同腳色:

- 不同模型本來就有不同的專長
- "你是一個 project manager"

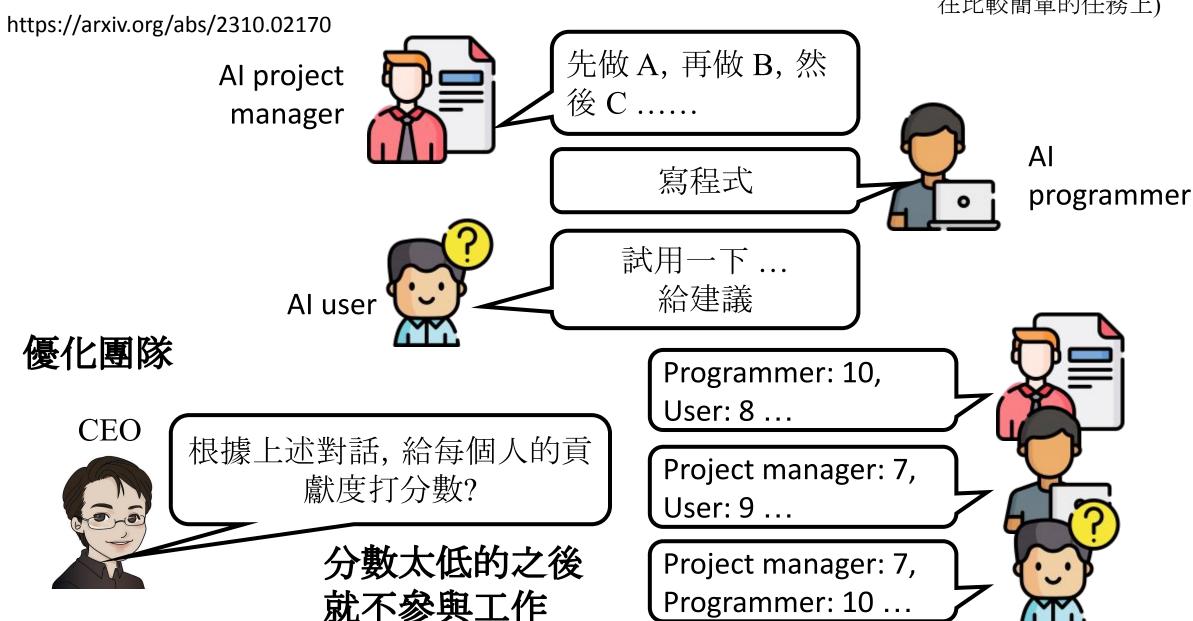
加上XX功能

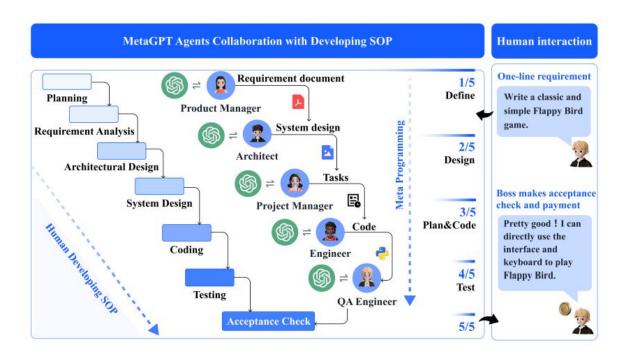


Al project manager

Dynamic LLM Agent Network

(學術論文目前通常是測試 在比較簡單的任務上)







MetaGPT

https://arxiv.org/abs/2308.00352

ChatDev

https://github.com/OpenBMB/ChatDev

未來不需要打造全能的模型, 語言模型可以專業分工, 不同團隊可以專注於打造專業領域的語言模型

由 AI 組成的社群!



有那些在不訓練模型的情況下強化語言模型的方法

