

# ChatGPT在教學上的應用

葳格國際學校 總校長  
李海碩

# 語言、演講與簡報、數位學習、人工智慧

- 臺灣開放式課程聯盟執行秘書
- 教育部中等學校開放教育推動計畫參與
- 交通大學外文系
- 國立交通大學教育研究所 - 數位學習組
- Toastmaster International (國際演講會)

2014 年幽默演講比賽、講評演講比賽冠軍

2015 中文幽默演講比賽、講評演講比賽冠軍

2016 中、英文即席演講冠軍 英文備稿演講冠軍

2017 臺語講評演講冠軍 2018 臺語即席演講冠軍

2019 華夏風情亞洲演講邀請賽 即席演講組冠中金



# 語言



# GEPT Advanced

 全民英語能力分級檢定測驗合格證書  
**LTTC** 全民英檢 Certificate of General English Proficiency

茲證明右列應試者參加「全民英語能力分級檢定測驗」(「LTTC 全民英檢」)已達右列級數之聽力、閱讀、口說及寫作四項測驗合格標準。「LTTC 全民英檢」係教育部補助研發，由財團法人語言訓練測驗中心主辦。  
*This is to certify that the person whose name appears on the right has attained a satisfactory pass score on all four papers (Listening, Reading, Speaking, and Writing) of the indicated level of the General English Proficiency Test (LTTC GEPT). The LTTC GEPT, a testing system developed with the support of The Ministry of Education, is produced and administered by The Language Training and Testing Center (LTTC).*

核發單位: **LTTC**® 財團法人語言訓練測驗中心  
Issuer: The Language Training and Testing Center

姓名: 李海碩  
Name: LEE, HAISHUO (#9140300107)

身分證件字號: [REDACTED]  
Identification No. [REDACTED]

級數: 高級  
Level: *Advanced*

測驗日期: 2011/11/26  
Test Date: 2011/11/26

主任 高天恩   
Tien-en Kao, Executive Director

證書編號: A000573  
Serial No.: A000573

發證日期: 2011/12/23  
Date of Issue: 2011/12/23


 無主任簽章無效 / Invalid without Authorized Signature



# TOEFL 663

ETS TOEFL ITP

## OFFICIAL SCORE REPORT



**李海碩**  
LEE HAISHUO

Name

170134      1982/07/22

Registration number      Date of birth (yyyymmdd)

2014/12/20      2016/12/20

Test date (yyyymmdd)      Valid until (yyyymmdd)

**Listening Comprehension**

Your Score **64**

31 ————— 68

---

**Structure and Written Expression**

Your Score **68**

31 ————— 68

---

**Reading Comprehension**

Your Score **67**

31 ————— 67

**TOTAL SCORE**

**663**

---

**CEFR Level**

**C1**

Copyright 2014 © Educational Testing Service, Princeton New Jersey, U.S.A. All rights reserved. ETS, the ETS logo and TOEFL are registered trademarks of Educational Testing Service, Princeton, New Jersey, U.S.A.

### Mapping TOEFL ITP scores to the CEFR

CEFR Levels	TOTAL Minimum TOEFL ITP Scores Level 1 (310 to 677 pts.)	Listening Comprehension	Structure and Written Expression	Reading Comprehension
C1 Proficient User — Effective Operational Proficiency	627	64	64	63
B2 Independent User— Vantage	543	54	53	56
B1 Independent User— Threshold	460	47	43	48
A2 Basic User — Waystage	337	38	32	31

The cut scores represent the minimum scores needed to enter the CEFR levels. These recommendations are based on the results of mapping studies with expert panels, and data analyses of test taker scores.



# TOEIC 說寫200/200雙滿分

**ETS TOEIC** Speaking and Writing Tests  
**OFFICIAL SCORE CERTIFICATE**



	李海碩 LEE HAISHUO Name	
	223501 Registration number	1982/07/22 Date of birth (yyyy/mm/dd)
	2016/03/06 Test date (yyyy/mm/dd)	2018/03/06 Valid until (yyyy/mm/dd)

**SPEAKING**  
Your score: **200**  
0 ————— 200

**WRITING**  
Your score: **200**  
0 ————— 200

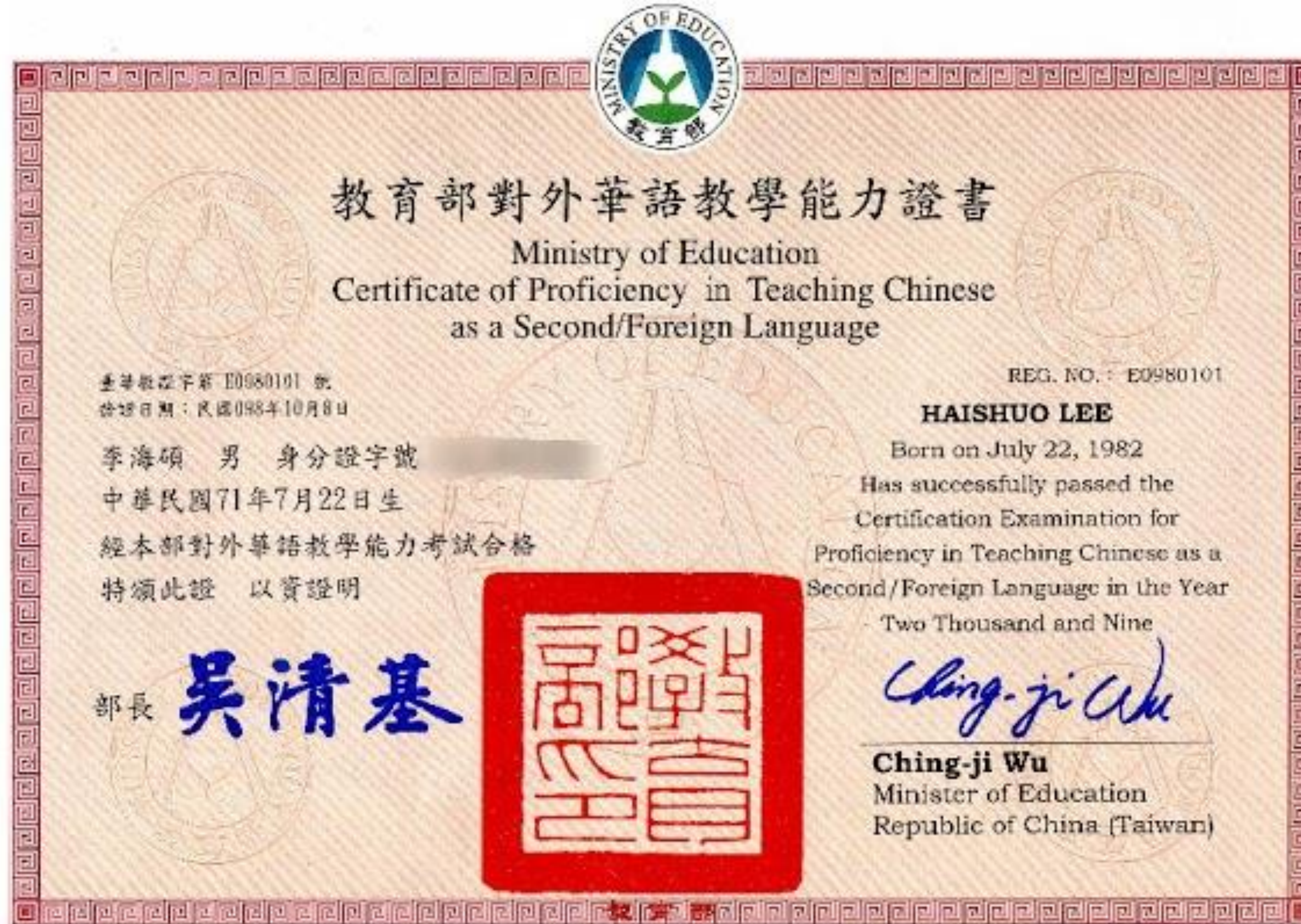
Copyright © 2012 by Educational Testing Service. ETS, the ETS logo and TOEIC are registered trademarks of Educational Testing Service (ETS) in the United States of America and other countries throughout the world. TOEIC is a trademark of ETS.

---

<b>SPEAKING</b> <b>YOUR SCORE: 200</b> <b>YOUR PROFICIENCY LEVEL: 8</b> 200 — 8 180 — 7 Level 8 Scale score 190-200 Typically, test takers at Level 8 can create connected, sustained discourse appropriate to the typical workplace	<b>WRITING</b> <b>YOUR SCORE: 200</b> <b>YOUR PROFICIENCY LEVEL: 9</b> 200 — 9 190 — 8 Level 9 Scale score 200 Typically, test takers at Level 9 can communicate
---	---



# 對外華語文教學能力證書





加入好友

登入 註冊

## 「防彈少年團」聯合國全英文演說教我們的事：一場好演講的架構跟5個常見英文用法

2018.10.01

讚 1,802



圖片來源：UNICEF粉絲團

撰文者 李海碩

多益時事通 | 瀏覽數：13841



四個不同際遇的人生故事  
擁抱更多愛與責任的力量

[看更多他們的故事](#)

當上主管，也只去得起





# ETS Certified Propelled Trainer



# 演講與簡報



# TED Translator

**TED** Ideas worth spreading

WATCH



TED Translator

## Haishuo Lee

Hsinchu, [Taiwan](#)

[Meet Haishuo Lee](#)

TED Translator

---

**Personal profile**

---

## About Haishuo

*Languages*

[English](#)

*Areas of Expertise*

education, Language, Open education



# 2020 TEDx Speaker



# 2016國際演講比賽臺灣代表



來自台灣的李海碩 (Haishuo Lee) 在參加 2016 年 Toastmasters International Speech Contest 後接受訪問，主持人問他在一大群人前演講對他有什麼影響，他說這會讓他想帶來更好的演講，而這會讓他更認識自己的過去，失敗，和經歷過的故事與經驗。對於有這樣的機會，他覺得很興奮也很感激。



# 數位學習與人工智慧



# Minerva MDA Class 2024



# MINERVA®

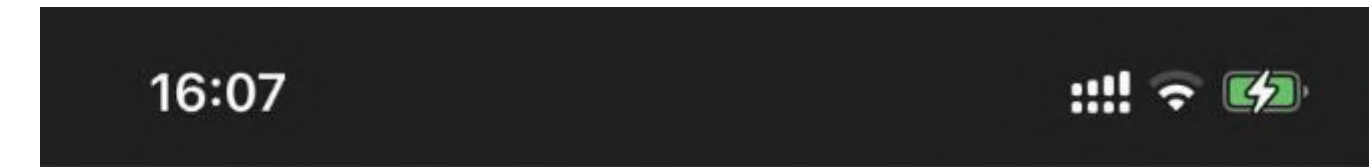


人物 > 人物特寫

## 比哈佛難錄取！密涅瓦大學創辦人：比起聰明，學生更該有「智慧」

猶太裔美國人班·尼爾森重新思考21世紀的大學該有的樣子，創辦了Minerva實驗大學。這所大學顛覆全球高等教育的做法，希望能培養出有智慧、能為世界做出關鍵決策的人才。

▶ 文章語音朗讀 · 10:45



## A Conversation with Minerva Graduate Student Haishuo Lee

SEP 29, 2022



All materials / ChatGPT 未來式：從語言學習延伸到日常工作的高效 AI 工具



9439 students [SHARE](#)

### ChatGPT 未來式：從語言學習延伸到日常工作的高效 AI 工具

1 小時課程，上手科技學習新工具

☆☆☆☆☆ (Collecting)

#AI #ChatGPT #Notion #英文 #生活英文 #影片

WORD UP

本產品包含：

- 免費加入專屬討論社群
- 1-2 小時教學影片
- 永久持有並同步最新內容

NT\$0 Price for you [FREE DOWNLOAD](#)

Want to purchase in bulk for group lessons?

Contact us at [service@wordup.com.tw](mailto:service@wordup.com.tw) for assistance and we will get back to you as soon as possible.



王永福 | 頂尖企業教學與簡報教練  
海碩總校長帶領我們從英語教學的角度了解 ChatGPT。



林律君 | 國立陽明交通大學英語教學所副教授  
2022 年底，我的社群媒體同溫層開始湧現一個關鍵...

# WordUp 上第一堂針對語言教學的 ChatGPT 數位課程已破萬人





ChatGPT在教學上的應用

Meet Haishuo Lee  
1560位訂閱者

已訂閱

83 分享 下載 剪輯片段

觀看次數：2682次 3週前 ChatGPT

- Transcript & Summary
- 全部 「Meet Haishuo Lee」上傳的... 相關內
- 【生成式AI】ChatGPT 原理剖析 (1/3) - 對 ChatGPT 的常見誤解  
Hung-yi Lee  
觀看次數：5.9萬次 · 1個月前
  - 英文閱讀能力LEVEL UP的訣竅是...  
Meet Haishuo Lee  
觀看次數：310次 · 1年前
  - Rainy rambling in Fuji city · 4K HDR  
Rambalac  
觀看次數：4.5萬次 · 2週前
  - 《星際大戰》各星球設計原型來自哪裡？建築研究員拆解科羅...  
GQ Taiwan  
觀看次數：2566次 · 10小時前  
新影片
  - 錄取Minerva教我的事  
Meet Haishuo Lee  
觀看次數：386次 · 9個月前
  - Beethoven Classical Symphony 貝多芬經典交響曲 古典音樂 實...  
FAFASHOP603  
觀看次數：4354次 · 1年前
  - The Best Strategy Game You Never Played: Age of Mythology  
GiantGrantGames  
觀看次數：66萬次 · 12天前

ChatGPT在教學上的應用  
影片+簡報內容皆免費提供



AIGC 教師社群目前已超越兩萬人



**商業周刊 (商周.com)**  
4月6日下午1:30 · 🌐

💡 給爸媽的第一堂AI直播教養課  
從親子、教育到職涯，必須懂的AI原生  
世代教養思考

🔥 主持人 - 劉佩修：商業周刊總編輯  
與談人 - 程世嘉：台灣AI領航者，新創  
ikala共同創辦人暨執行長  
與談人 - 李海碩：葳格國際學校校長，  
開辦全國教師研習課程「ChatGPT在教  
學上的應用」，一上線就秒殺！

座談中讓您理解AI世代特徵，提供對應  
的教養思考、策略

- ✅ AI對職涯的影響和趨勢
- ✅ 親子間能更好的與AI互動學習
- ✅ 在AI世代立足，孩子需要培養哪些能力
- ✅ 瞭解AI原生世代的需求，親子一同應  
對職場和未來工作的變化

面對AI浪潮，您可能有疑問...  
「文科生是不是更沒優勢了？」  
「AI都會寫程式、數據分析了，到底該  
讓小孩學什麼？」

留言..... 🗨️ 😊 📷 🎬 🗑️





商業週刊1850期

# 1. 什麼是ChatGPT 運作的基本原理為何？

# GPT (Generative Pre-training)的原理

要了解這個原理，我們來玩個遊戲



in the \_\_\_\_\_



in the m\_\_\_\_\_





in the mo\_\_\_\_\_




# Google

in the


in the - Google Search

in the end

in the meantime

 In the SOOP BTS ver.  
電視節目

in the first place

 In the SOOP SEVENTEEN ver.  
電視節目

in the beginning

in the end 歌詞

in the loop

in the meanwhile




# Google

in the m|



in the m - Google Search

 in the meantime  
同時 (中文 (繁體))

in the meanwhile

In the morning - ITZY的歌曲

 In the Mood  
格倫·米勒的歌曲

in the meantime 中文

in the middle of

in the meeting

 In The Mood For Love  
花樣年華 - 2000年的電影

in the midst of



# Google

🔍 in the mo



🔍 in the mo - Google Search

🔍 In the morning - ITZY的歌曲



**In the Mood**  
格倫·米勒的歌曲



**In The Mood For Love**  
花樣年華 - 2000年的電影

🔍 in the moment

🔍 in the money

🔍 in the morning on the morning

🔍 in the mountain

🔍 In the Morning - 比吉斯的歌曲

🔍 in the mouth of madness



英文的例子不好懂嗎？  
我們來看看中文的



白日依 — 盡



# —— 民主義



可以想像成  
一個有能力猜比較準的  
文字接龍器





ChatGPT的概念就是一個  
把所有文字全部吃進資料庫的運算器



預測能力會這麼強  
是因為把2021前的公開資訊看完了



H

## 孫子兵法在講什麼？



孫子兵法是一部古代中國的兵書，主要講述了戰爭策略和戰術。孫子兵法強調在戰爭中，重要的是制定明確的目標和策略，並在不斷變化的戰場上靈活應對。書中談到了軍隊的組織和管理，如何選擇和訓練軍隊，如何利用地形和氣候等因素進行作戰，以及如何欺敵制勝等戰略戰術。



孫子兵法對中國歷史、軍事和文化產生了深遠的影響，也在世界各地被廣泛地應用於商業、政治和管理領域，被認為是一部充滿智慧和洞見的經典之作。



H

哈利波特有幾集？標題分別是什麼？



哈利波特是一系列由J.K.羅琳所著的兒童奇幻小說，共有七本書。以下是每一本書的標題：



1. 《哈利波特－神秘的魔法石》 (Harry Potter and the Philosopher's Stone / Harry Potter and the Sorcerer's Stone)
2. 《哈利波特－消失的密室》 (Harry Potter and the Chamber of Secrets)
3. 《哈利波特－阿茲卡班的逃犯》 (Harry Potter and the Prisoner of Azkaban)
4. 《哈利波特－火盃的考驗》 (Harry Potter and the Goblet of Fire)
5. 《哈利波特－鳳凰會的密令》 (Harry Potter and the Order of Phoenix)
6. 《哈利波特－混血王子的背叛》 (Harry Potter and the Half-Blood Prince)
7. 《哈利波特－死亡聖器》 (Harry Potter and the Deathly Hallows)





《阿凡達：水之道》是2010年上映的科幻電影，是《阿凡達》系列的一部分，由詹姆斯·卡梅隆編劇和導演。

故事背景設定在未來的地球上，人類在資源枯竭的情況下開始探索外星球，發現了一個名為潘多拉（Pandora）的行星，這個行星上生活著高聳入雲的樹木、巨大的動物和身高超過3米的藍皮膚原住民——納美人（Na'vi）。

故事主角是前海軍陸戰隊員傑克·薩利（Jake Sully），他因為身體殘疾而失去了行動能力，但因為他的兄長在潘多拉上參與了阿凡達計畫而得以前往潘多拉。傑克加入了阿凡達計畫，利用外表看似納美人的生物阿凡達，進入了納美人的社區，與納美人接觸、學習他們的文化，成為了納美人部落的一員。但是，隨著阿凡達計畫的進展，傑克與納美人的部落與人類之間的矛盾愈演愈烈，最終引發了一場激烈的戰爭。

故事主題涉及到人與自然、文化衝突、殖民主義、環保等議題，同時也強調人與人之間的情感交流和相互理解。

+ New chat



Today

Identifying Personal Weakness

Delete "New chat"? ✓ ✕

Delete "Summarizing ConversX"

DYNAMUN - Inspiring Unity

Yesterday

New chat

台中高級餐廳推薦

Previous 7 Days

New chat

Cross-Cultural Course Creatio

Improving Team Emotional Int

Haishuo Lee ...

⚡ GPT-3.5

⚡ GPT-4

Our most capable model, great for tasks that require creativity and advanced reasoning.

Available exclusively to Plus users

⚡ Default ✓

🌐 Browse with Bing **Beta**

🧩 Plugins **Beta**

GPT-4 currently has a cap of 25 messages every 3 hours.

Send a message.



ChatGPT may produce inaccurate information about people, places, or facts. [ChatGPT May 24 Version](#)



+ New chat



Today

New chat

Identifying Personal Weakness

Delete "New chat"?

Delete "Summarizing Conversations"

DYNAMUN - Inspiring Unity

Yesterday

New chat

台中高級餐廳推薦

Previous 7 Days

New chat

Cross-Cultural Course Creation

Improving Team Emotional Intelligence

Python+ChatGPT學程式

New chat

Haishuo Lee



請介紹阿凡達水之道的電影劇情



Finished browsing

《阿凡達2：水之道》（Avatar: The Way of Water）的故事發生在原先阿凡達事件16年之後。主角傑克·蘇利（Jake Sully）現在是奧馬提卡亞族（Omatikaya clan）的酋長，和妮蒂莉（Neytiri）一起養育他們的孩子，包括兩個兒子Neteyam和Lo'ak、女兒Tuk，以及他們收養的孩子Kiri（Grace Augustine的阿凡達所生）和Spider（已故的Miles Quaritch上校的儿子）。

RDA在新領導人Frances Ardmore的帶領下返回Pandora，因為地球正在走向滅亡。新來的人包括Recombinants，他們是Na'vi阿凡達，他們的記憶被植入了已經去世的人類士兵的記憶，Quaritch的Recombinant是他們的領導者。RDA捕獲了傑克的孩子，傑克和妮蒂莉來到並將他們釋放，殺死了幾個Quaritch的士兵，但Spider被Quaritch捕獲，Quaritch認出他是自己的兒子。

傑克和他的家人從奧馬提卡亞族中流亡出來，退到Pandora的東海岸，Metkayina族給他們提供庇護。在那裡，這個家庭學會了礁石人民的生活方式，Kiri和海洋建立了一種精神的連接，Lo'ak和Tsireya成為朋友，Tsireya是族長Tonowari和他的妻子Ronald的女兒。

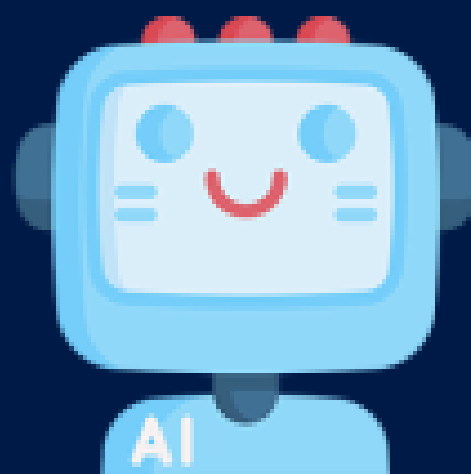
隨著故事的發展，他們面臨了一系列的挑戰。在一場激烈的戰鬥中，傑克、妮蒂莉和他們的家人成功的救出被捕的孩子，並擊敗了Quaritch。然後他們決定離開Metkayina

Stop generating

Send a message.

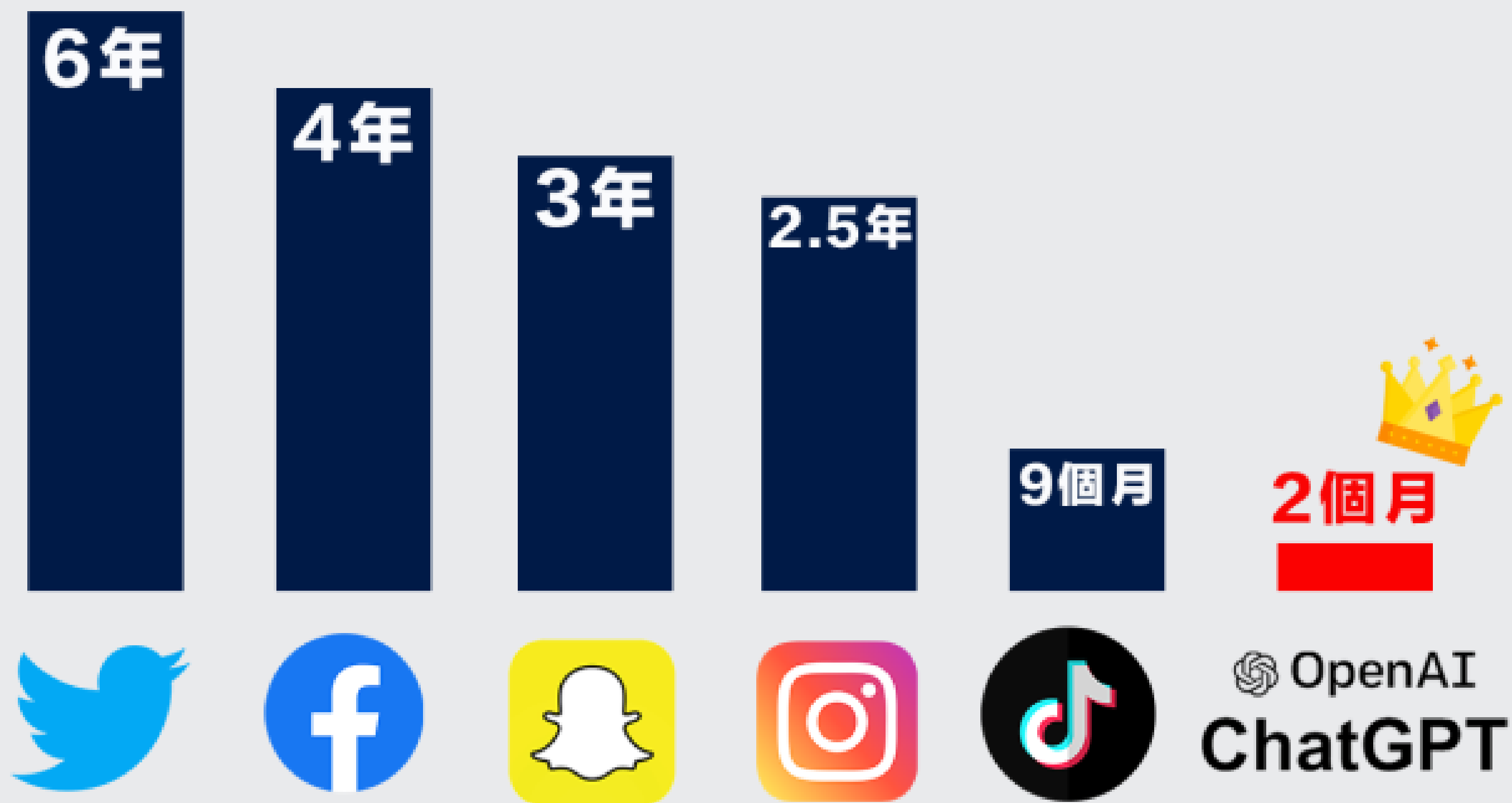
ChatGPT may produce inaccurate information about people, places, or facts. ChatGPT May 24 Version





# ChatGPT推出僅兩個月 活躍用戶突破一億

## 突破一億用戶所用時間



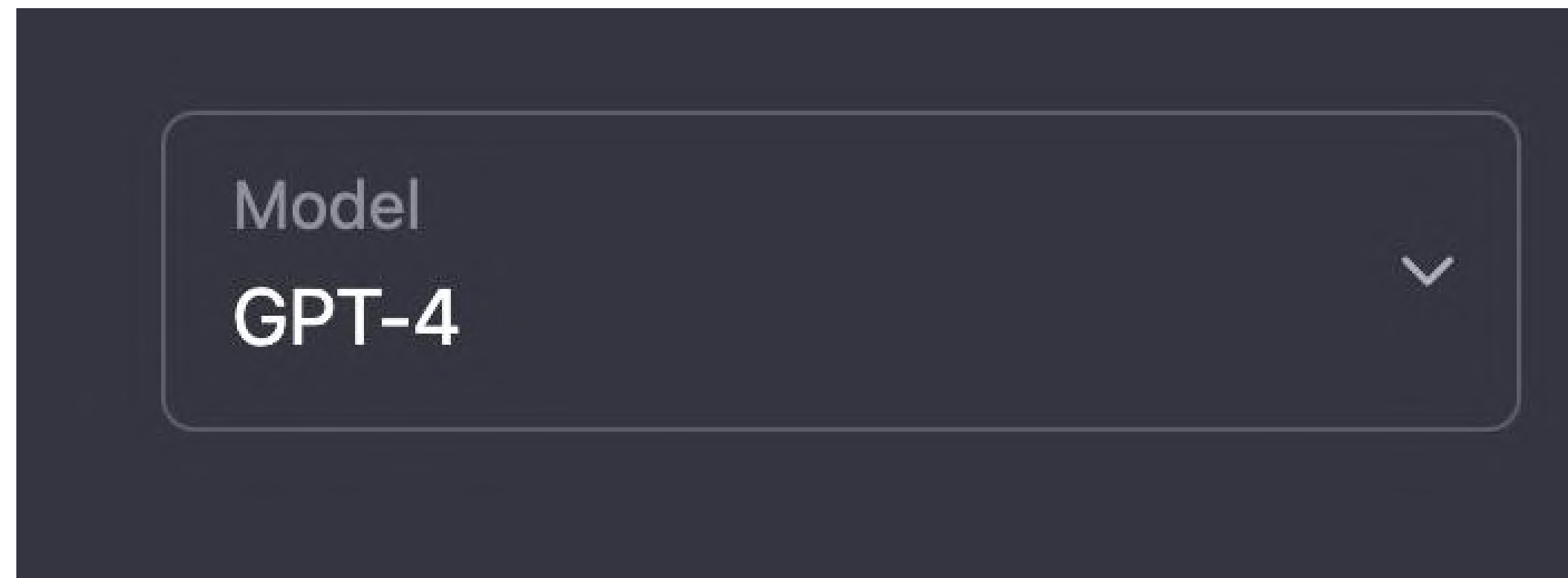
與AI溝通比真人更吸引？

Business Digest





# ChatGPT 4.0目前的能力



## Introducing GPT-4

Our latest model, **GPT-4**, is now available to Plus subscribers.

GPT-4 has enhanced capabilities in:

- Advanced reasoning
- Complex instructions
- More creativity

To give every Plus subscriber a chance to try the model, we'll dynamically adjust the cap for GPT-4 usage based on demand.

Maybe later

Try GPT-4

GPT-4 is more creative and collaborative than ever before. It can generate, edit, and iterate with users on creative and technical writing tasks, such as composing songs, writing screenplays, or learning a user's writing style.

### Input

Explain the plot of Cinderella in a sentence where each word has to begin with the next letter in the alphabet from A to Z, without repeating any letters.

### Output

A beautiful Cinderella, dwelling eagerly, finally gains happiness;  
inspiring jealous kin, love magically nurtures opulent prince;  
quietly rescues, slipper triumphs, uniting very wondrously,  
xenial youth zealously.



GPT-4 can accept images as inputs and generate captions, classifications, and analyses.

**Input**

What can I make with these ingredients?



## Output

There are many options for what you can make with these ingredients! Some possibilities include:

- Pancakes or waffles
- Crepes
- French toast
- Omelette or frittata
- Quiche
- Custard or pudding
- Cake or cupcakes
- Muffins or bread- Cookies or biscuits

These are just a few examples, but the possibilities are endless!



GPT-4 is capable of handling over 25,000 words of text, allowing for use cases like long form content creation, extended conversations, and document search and analysis.

### Input

[Text from: <https://en.wikipedia.org/wiki/Rihanna>]

Describe her Super Bowl performance and what made it special.

### Output

Rihanna's Super Bowl LVII halftime show performance was special for a number of reasons. For one, it marked her first live performance in over five years, and it was her first time headlining the Super Bowl halftime show. Additionally, she made history by becoming the first person to perform at the Super Bowl while pregnant. The show itself was critically acclaimed, with many praising her high-energy performance and impressive vocals. It also garnered a massive viewership, becoming the second most-watched halftime show in history.



## ChatGPT

### Input

Andrew is free from 11 am to 3 pm, Joanne is free from noon to 2 pm and then 3:30 pm to 5 pm. Hannah is available at noon for half an hour, and then 4 pm to 6 pm. What are some options for start times for a 30 minute meeting for Andrew, Hannah, and Joanne?

### Output

Here is a list of their availability:

- Andrew: 11 am to 3 pm

- Joanne: noon to 2 pm, and 3:30 pm to 5 pm

- Hannah: noon to 12:30 pm, and 4 pm to 6 pm

Based on their availability, there is a 30-minute window where all three of them are available, which is from 4 pm to 4:30 pm.

So, the meeting can be scheduled at 4 pm. ■

## GPT-4

### Input

Andrew is free from 11 am to 3 pm, Joanne is free from noon to 2 pm and then 3:30 pm to 5 pm. Hannah is available at noon for half an hour, and then 4 pm to 6 pm. What are some options for start times for a 30 minute meeting for Andrew, Hannah, and Joanne?

### Output

Andrew: 11 am - 3 pm

Joanne: 12 pm - 2 pm, 3:30 pm - 5 pm

Hannah: 12 pm - 12:30 pm, 4 pm - 6 pm

Common availability for a 30-minute meeting: 12 pm - 12:30 pm ■



GPT-4 outperforms  
ChatGPT by scoring in higher  
approximate percentiles  
among test-takers.

Uniform Bar Exam

10th

ChatGPT

90th

GPT-4

Biology Olympiad

31st

ChatGPT

99th

GPT-4 (with vision)



[econ.GN] 20 Mar 2023

# GPTs are GPTs: An Early Look at the Labor Market Impact Potential of Large Language Models

Tyna Eloundou<sup>1</sup>, Sam Manning<sup>1,2</sup>, Pamela Mishkin\*<sup>1</sup>, and Daniel Rock<sup>3</sup>

<sup>1</sup>OpenAI

<sup>2</sup>OpenResearch

<sup>3</sup>University of Pennsylvania

March 21, 2023

## Abstract

We investigate the potential implications of Generative Pre-trained Transformer (GPT) models and related technologies on the U.S. labor market. Using a new rubric, we assess occupations based on their correspondence with GPT capabilities, incorporating both human expertise and classifications from GPT-4. Our findings indicate that approximately 80% of the U.S. workforce could have at least 10% of their work tasks affected by the introduction of GPTs, while around 19% of workers may see at least 50% of their tasks impacted. The influence spans all wage levels, with higher-income jobs potentially facing greater

2023/03/21 OpenAI 研究報告





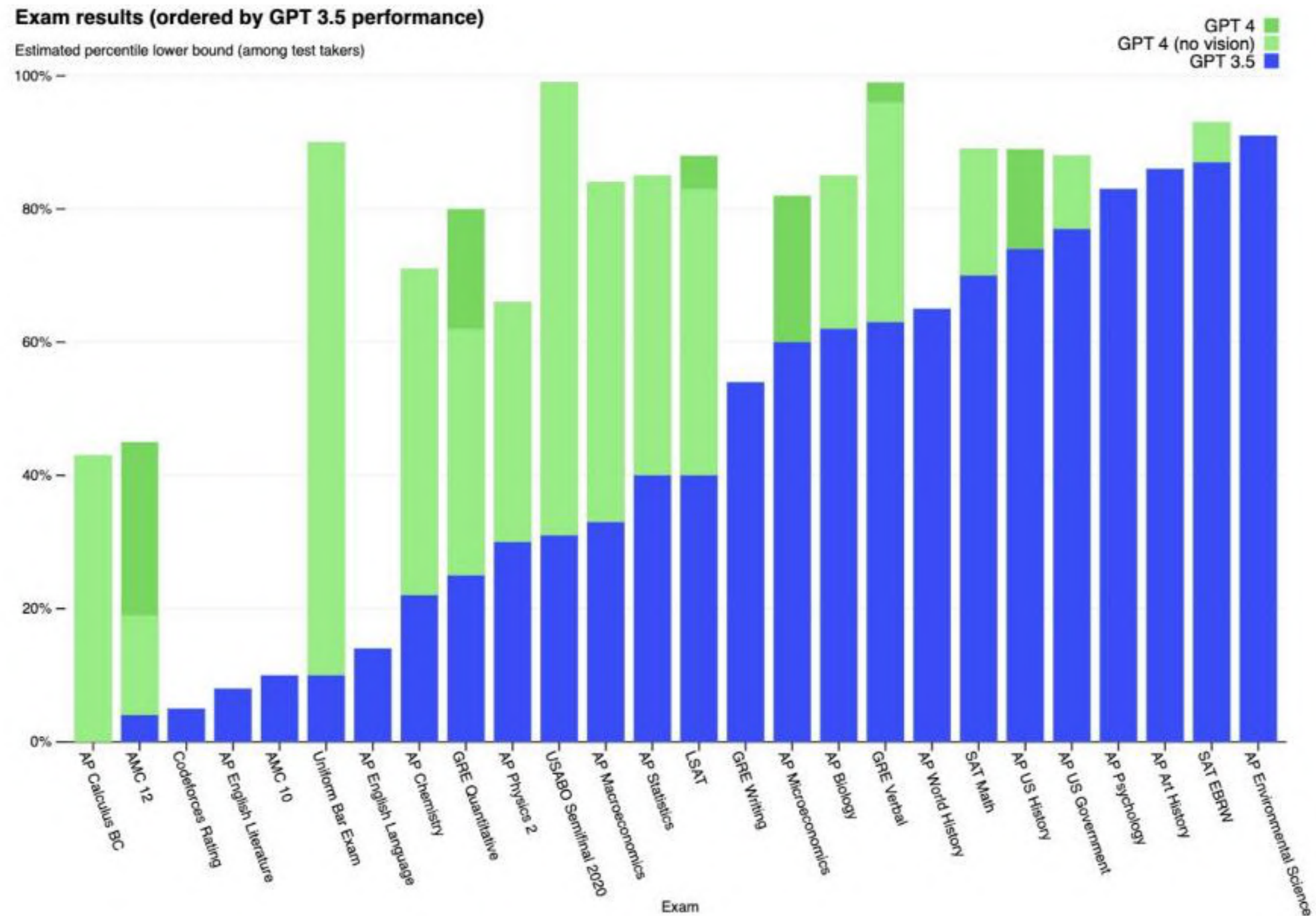
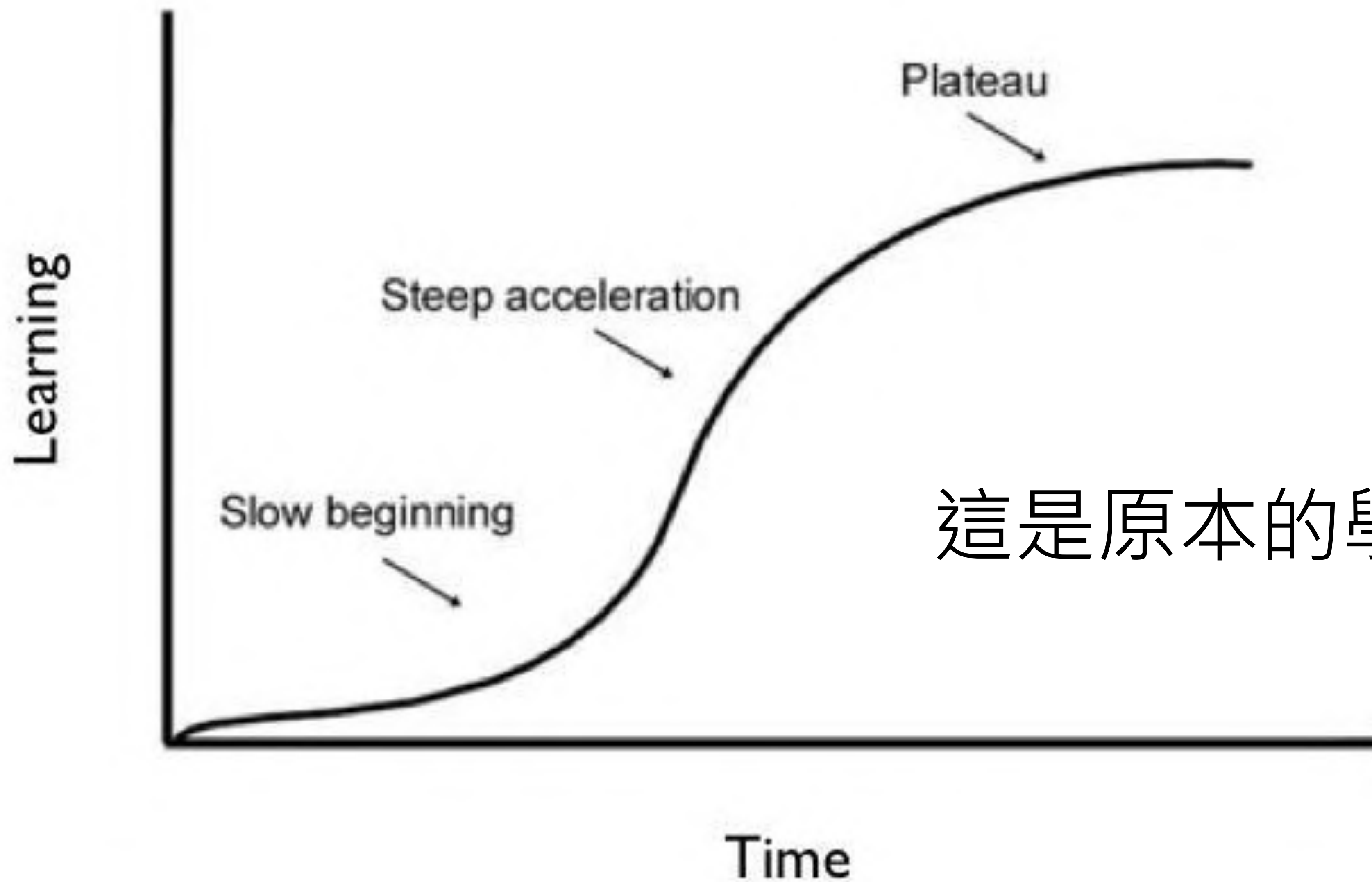


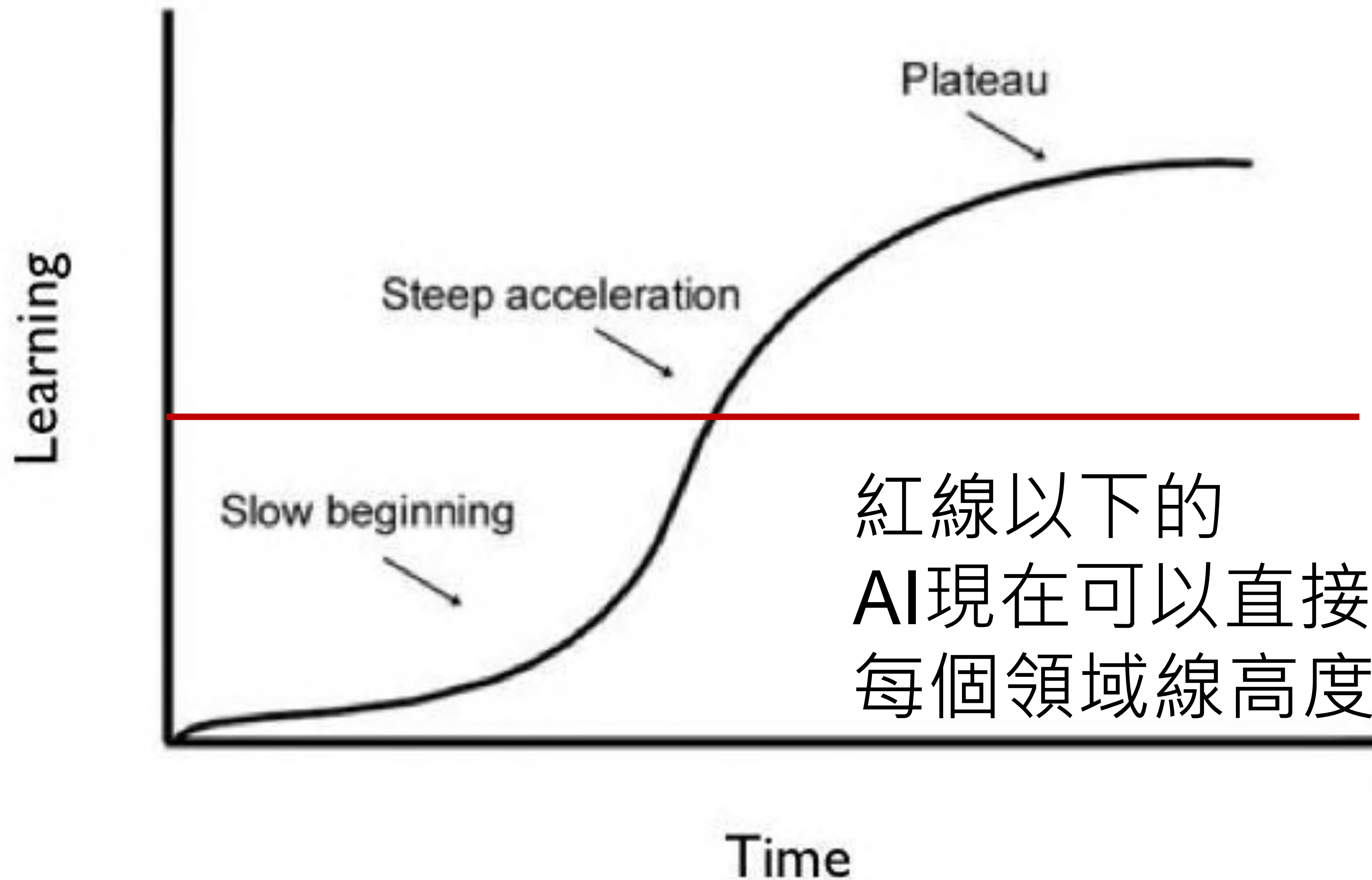
Figure 1: To get a sense of how quickly model capabilities are progressing – consider the jump in exam performance between GPT-3.5 and GPT-4 (OpenAI, 2023b).

# ChatGPT 4.0 在不同學科上的表現

目前已經考過美國與日本醫師考試  
美國律師考試與EMBA學位考試  
生物Olympiad，PR99



這是原本的學習曲線



紅線以下的  
AI現在可以直接做到  
每個領域線高度不同



用什麼樣的方式來理解AIGC?



葳格國際學校  
WAGOR INTERNATIONAL SCHOOL


# 語意、語旨、語效



此刻開始，語言更有力量



葳格國際學校  
WAGOR INTERNATIONAL SCHOOL



娛樂 vs. 生產型工具





# 太驚人！ChatGPT十八般武藝 5小時可翻譯500頁原文書

2023-03-09 14:25 台灣醒報 / 記者簡嘉佑 / 台北報導



- 快來更新iPhone！蘋果iOS 16.4來了 16個重點內容一次...
- 老媽群組Tag「All」急問這是誰？全家人被標記認真解釋笑...
- 沒等Netflix開抓寄生蟲 白目女閨密「共享再共享密碼」也沒...
- 曾喊「170公分以下男性沒人權」被炎上 日正妹網紅轉平台...
- 蘋果賣高價位iPhone怎打入平民市場？資深用戶無奈吐真言...

udn科技玩家  
YouTube 160

udn 數位頻道  
歡迎投稿

神哲學專... 昨天8日... 講說，ChatGPT只要... 小時... 翻譯... 500頁... 原文書... (台灣醒報)

## 思考：您覺得翻譯會不會被取代？

讚 11 分享 分享

猜你喜歡



# 「黃台之瓜何堪再摘」藏尾詩彩蛋他寫的？ 李嘉誠文膽年薪破400萬

163

讚

- 【首購享折扣】醫師推薦黑醋栗葉黃素AX，蝦紅素添晶亮。



## 這位置，只需要一個人

▲香港首富李嘉誠於多家香港報紙刊登廣告。(圖/記者黃彥傑攝)



富邦世紀音樂盛宴

紐約愛樂交響樂團

6.28 臺北

富邦金控



了解更多

### 熱門新聞

1 瑪娃龜速大迴轉！2地防豪雨 颱風假

機率曝

2 鹿希派同居熱戀24歲校花直播主！極

品臉蛋曝光

3 為何男生就愛女生的胸部 許藍方曝



萬萬不要用現在來預測未來



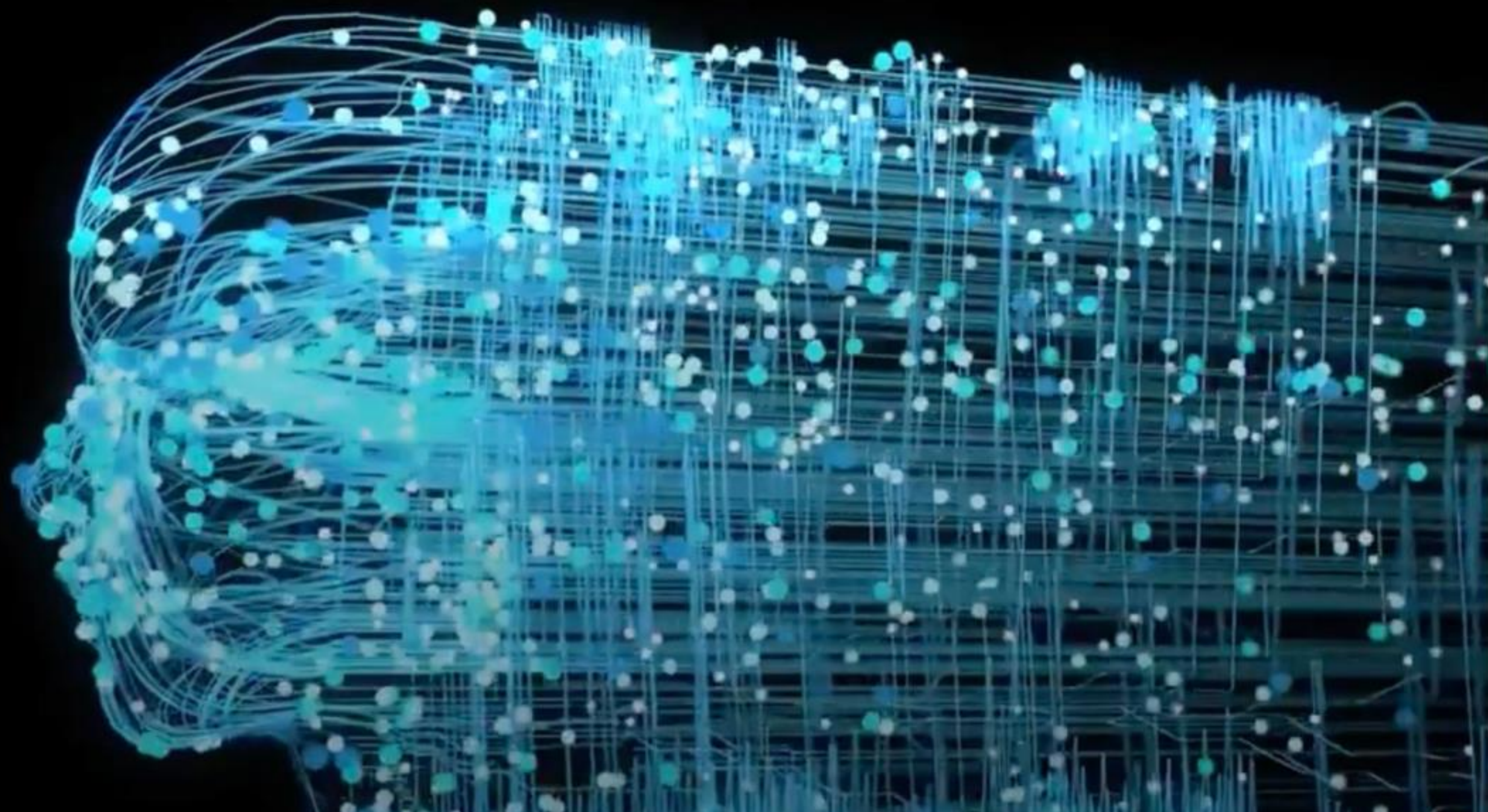
葳格國際學校  
WAGOR INTERNATIONAL SCHOOL



# The economic potential of generative AI: The next productivity frontier

June 14, 2023 | Report





# The economic potential of generative AI: The next productivity frontier

June 14, 2023 | Report



蔡旻錫

14 小時 · 🌐

【2045 年，AI 自動化將會取代當今 50% 的工作】

麥肯錫在今天發布了一篇關於「生成式 AI 未來經濟潛力」的報告。

麥肯錫的研究指出，到了 2045 年，

AI 自動化將會取代當今 50% 的工作。

這個預測時間，與 2016 年時的預估相比，整整提前了 8 年。

報告提供的 Key Insight 有以下 7 點：

**1** 生成式 AI 對生產力的影響可能為全球經濟增值數兆美元

生成式 AI 每年可以增加相當於 2.6 兆至 4.4 兆美元的收入（2021 年英國的 GDP 為 3.1 兆美元），這將使 AI 的經濟影響力增加 15% 到 40%。

**2** 約 75% 的生成型 AI 帶來的價值分布在 4 個領域



留言.....



報告提供的 Key Insight 有以下 7 點：

① 生成式 AI 對生產力的影響可能為全球經濟增值數兆美元

生成式 AI 每年可以增加相當於 2.6 兆至 4.4 兆美元的收入（2021 年英國的 GDP 為 3.1 兆美元），這將使 AI 的經濟影響力增加 15% 到 40%。

② 約 75% 的生成型 AI 帶來的價值分布在 4 個領域

客戶經營（Customer operations）、市場行銷與銷售（marketing and sales）、軟體工程（software engineering）、以及研發（R&D）。

③ 所有行業都將受到生成式 AI 的影響，特別是銀行業、高科技和生命科學等行業

例如，在銀行業，可能每年增加價值相等於 2000 億至 3400 億美元。

而在零售和消費者包裝商品方面，潛在影響也非常巨大，每年可達 4000 億至 6600 億美元。

④ 生成式 AI 有潛力改變工作結構

透過自動化提升員工的工作能力，生成式 AI 可能會減少員工 60% 到 70% 的工作時間，

且對於知識型工作（例如薪水和教育要求更高的職業）的影響尤其大。

## 5 勞動力轉型的速度可能會加快

隨著生成式 AI 的發展，我們可能會在 2030 年至 2060 年之間看到一半的工作被自動化，其中的中點是 2045 年，這比之前的預估提早了約 10 年。

## 6 生成式 AI 可以顯著提高整體經濟的勞動生產力

到 2040 年，生成式 AI 可以實現每年 0.1% 至 0.6% 的勞動生產力成長，這取決於採用 AI 技術的速度。

雖然這會提高整體的生產力，但這需要投資於員工的新技能學習與工作轉型。

## 7 生成式 AI 的發展目前處於剛開始的階段

雖然生成式 AI 的前景光明，但要實現它的全面潛力，還需要投入大量的時間和精力。

包括「如何降低生成式 AI 的風險」以及「如何培養使用生成式 AI 的能力」，都是我們必須面對的挑戰。我們也需要重新思考並調整工作流程，以適應這種變化。

## 2. 除了ChatGPT之外 應該要了解的AI工具



打不過，就加入



## 煤氣街燈工人的故事

THE SHIFT

# *An A.I.-Generated Picture Won an Art Prize. Artists Aren't Happy.*

"I won, and I didn't break any rules," the artwork's creator says.



Give this article



1.5K





# 80 hours

To get the final three images he entered in the competition, he said, took more than 80 hours. First, he said, he played around with phrasing that led Midjourney to generate images of women in frilly dresses and space helmets — he was trying to mash up Victorian-style costuming with space themes, he said. 2022年9月3日



cnn.com

<https://www.cnn.com> › ai-art-fair-winner-controversy

AI won an art contest, and artists are furious | CNN Business

# Sony 世界攝影大獎 以AI生成圖像參賽 德國藝術家拒絕領獎：AI不是攝影



Yahoo 新聞

2023年4月15日週六 下午3:11



Replay

Learn More

## Sponsored Video

Watch to learn more

SPONSORED BY ADVERTISING PARTNER

Learn More

不是哪個場域會有  
而是都會有  
絕對不要以為只有ChatGPT!

Startup News

# A List of 78 ChatGPT Plugins Currently Available and Their Use Case

May 19, 2023 8:21 pm


 StartupHub.ai Staff

## ChatGPT plugins

We've implemented initial support for plugins in ChatGPT. Plugins are tools designed specifically for language models with safety as a core principle, and help ChatGPT access up-to-date information, run computations, or use third-party services.

[Join plugins waitlist](#)[Read documentation ↗](#)

### Mentioned in the article

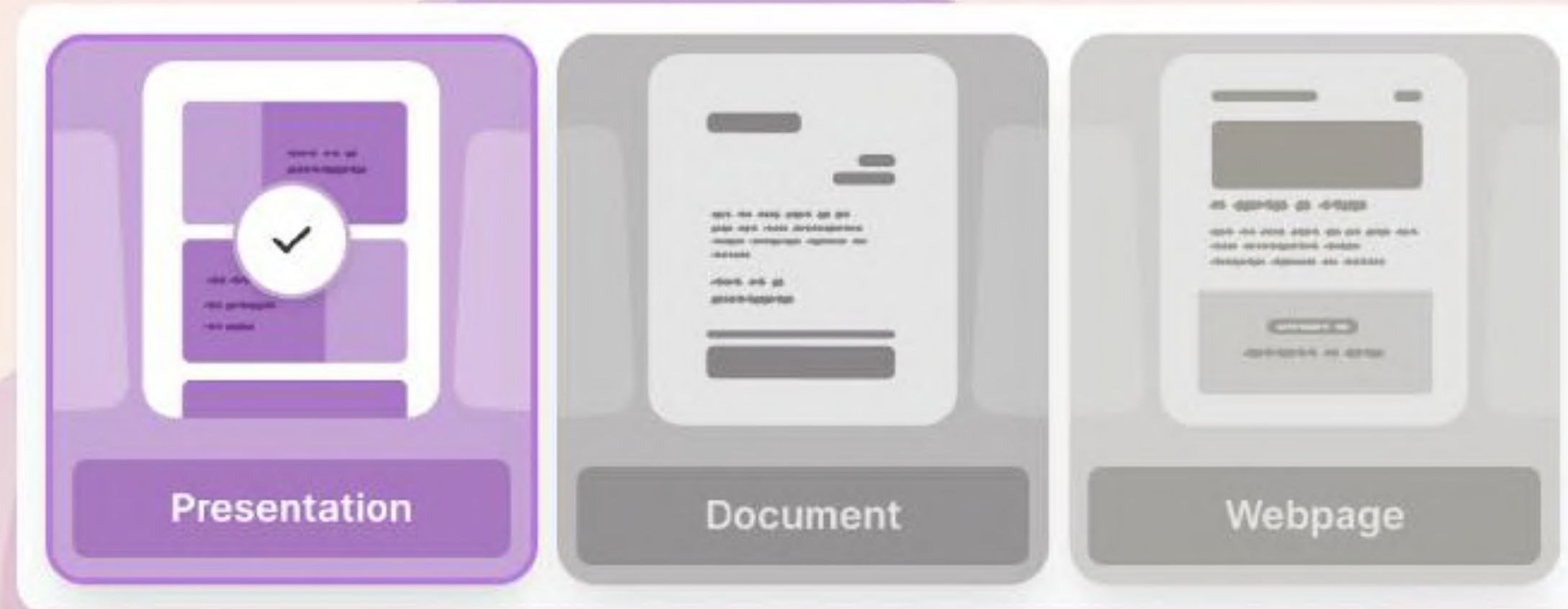
 Ox Security Tomorrow.io





# 跨時代新技術

👋 Hi Haishuo, I'm your AI design partner. What would you like to create today?



Sounds good! What would you like the presentation to be about?

Tip: You can enter your own topic, or use one of our suggestions to get started quickly.

如何將AI工具應用在未來教育現場?

17/300

如何將AI工具應用在未來教育現場?? Sounds interesting!  
Let me come up with a few ideas...

3560 credits ⓘ

Welcome to Gamma

# What do you want to make?

A pitch deck for building a colony on Mars|

Generate

# Localize videos. *Fast. Fun. With AI.*

1. **Video**, Week 1, Day 1

01:18:00 **Export** **Export**

**Subtitles** **English** **English**

00:00 / 00:00

Subtitle 1: This is the first subtitle line. It's a placeholder for the actual content of the video.

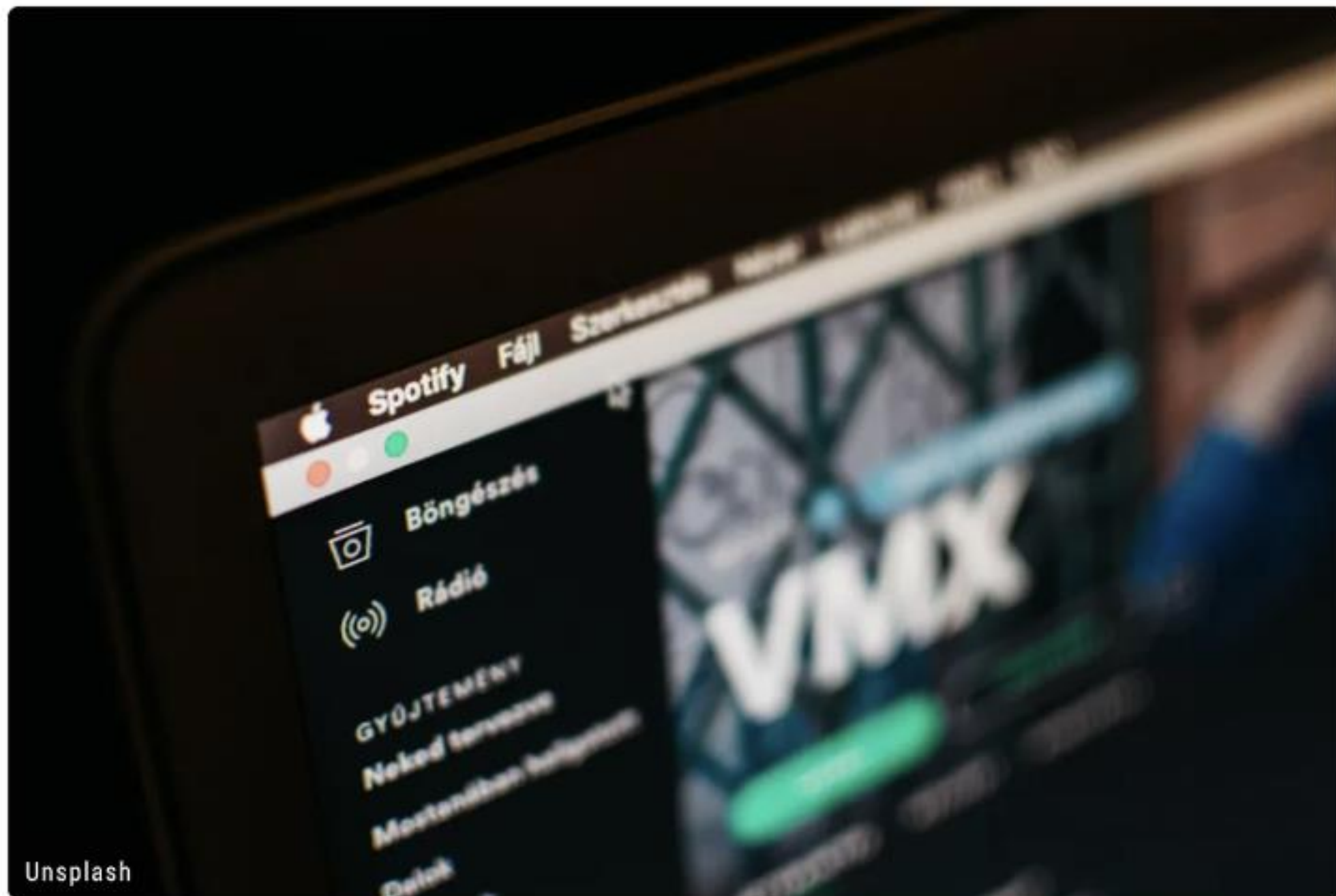
00:00 / 00:00

Subtitle 2: This is the second subtitle line. It's a placeholder for the actual content of the video.

00:00 / 00:00

00:00 / 00:00





Unsplash

2023.05.16 | AI與大數據

## 「AI孫燕姿」歌聲不只像本人，還翻唱周杰倫！AI如何做到傳神模仿，有哪些爭議？

當我們點開一首熟悉又陌生的歌曲懷念過去，機器歌手們將為華語樂壇帶來一場怎樣的波瀾？

網易科技 網易科技

#AI人工智慧



## 出入醫院，用草之氣除穢淨化

使用艾草萃取精油，平安除穢



AI 翻唱

紅豆



為什麼需要學？  
因為會的人  
會比您快，還會比您強！

# 3. 人工智慧與您本業的關聯




# 教學上的方向

# CIA

**Confidence Building 快速建立信心**  
**Interaction 加強人際互動**  
**Aiming High 提高目標設定**

# Confidence Building

## 快速建立信心



許多孩子都有著一顆  
被教育現場與制度傷透的心



David Wang

2天 · 🌐



一個禮拜前  
這傢伙別說作文  
連造句都寫不出來

現在可以完成這作業  
當然圖也要自己畫..... 噫, 離標準少一張(推眼鏡)

遠的遠古時代，有一條恐怖的  
淵中出現，它肆虐著整個大陸，  
數的城鎮和村莊。這條巨龍長  
巨大的蛇，擁有銳利的牙齒和  
膀，身上還覆蓋著厚厚的鱗甲，  
擊都難以傷及其身體。巨龍的  
龐大，其聲勢更是驚天動地，  
焰和毒氣足以摧毀一個城市。  
巨龍在整個大陸上肆虐了好幾  
任何一個國家或者城市能夠抵  
擊。許多勇士和士兵曾經嘗試  
條巨龍，但所有人都失敗了。  
勇敢的勇士，也無法擊敗這條  
這樣的情況下，大陸的居民不  
巨龍的恐怖統治，他們沒有任  
只能努力適應這樣的生活。



戰場上，深淵之王的攻擊越來越猛烈，亞當和他的隊伍們開始處於下風。他們想盡一切辦法來攻擊深淵之王，但似乎所有的攻擊都對這頭龍毫無作用。深淵之王的身軀充滿了堅固的鱗甲，攻擊似乎無法穿透。在一次攻擊中，深淵之王向亞當和他的隊伍噴出一股熾熱的火焰，將所有人都燒成了灰燼。亞當的隊伍完全被摧毀了，只剩下亞當一人在戰場上苦苦支撐。他感到沮喪和失望，他們失去了這場戰役，這是他從未想過的結果。

亞當受了重傷，躺在戰場上，他只能眼睜睜地看著深淵之王一步步逼近他。他知道自己即將面臨死亡，但是他並沒有絲毫畏懼，他抓住了手中的劍，準備為自己的勇氣和對正義的信念而戰。深淵之王越來越近，亞當感到自己已經無力抵抗。他閉上了眼睛，等待著深淵之王的最後一擊。但是，在那關鍵時刻，一道聲音從天空中傳來：

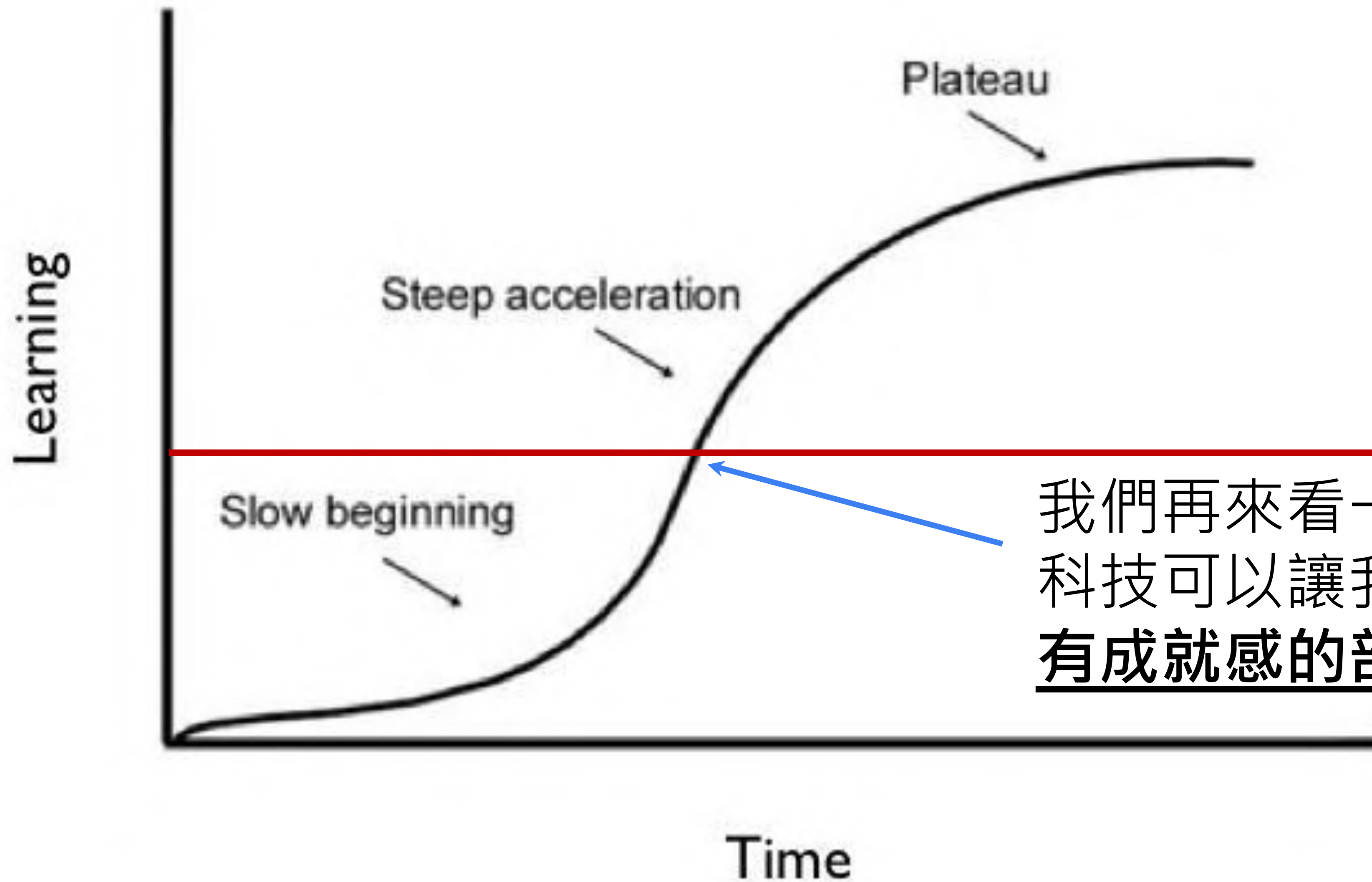
“亞當，不要放棄，你是這個世界上最勇敢的人。”

亞當抬起頭，發現自己的老師正在向他招手。他的老師是他最崇敬的人，是他成為一名勇士的導師。老師告訴他：「勇者不是靠戰勝敵人而成為勇者的，而是在克服自己的內心恐懼和疑慮後，堅定自己的信念而成為勇者的。」

亞當從老師的話中受到了啟發。他知道自己不能放棄，即使戰敗也不

他不屈不撓，毫不退縮。他利用自己的智慧和勇氣，逐漸找到了巨龍的弱點。他從巨龍身旁繞了過去，利用一塊巨石，狠狠地砸在巨龍的頭上，讓巨龍暫時失去了平衡。這是亞當的機會，他趁著巨龍失去平衡的瞬間，猛然跳起，揮舞著手中的長劍，刺向巨龍的喉嚨。巨龍發出一聲淒厲的嘶吼，鮮紅的鮮血從巨龍的喉嚨中噴出，巨龍發出了一





我們再來看一次曲線  
科技可以讓我們都從  
有成就感的部分開始

當然我們需要特別防範的，是學習者  
「自以為」自己學會了



# 我自己的故事





## The Mandala Effect: Exploring Emotions through Color

曼陀羅效應：情緒與顏色的探索之旅

### What is art therapy?

Art therapy is a form of psychotherapy that uses art materials, such as paint, clay, or markers, as a form of expression. The therapist helps the client explore their thoughts, feelings, and experiences through creating art, and then uses the art as a tool for reflection and communication. It is often used to help people who have difficulty expressing themselves verbally, and can be helpful for people dealing with mental health issues, trauma, or other challenges.



This realization was a turning point for me, as I believed that my colorblindness would prevent me from ever creating truly meaningful artwork. I felt defeated and gave up on art entirely, thinking it would never have a place in my life.

But with the help of ChatGPT and Midjourney, I am now able to create artwork that I never thought possible. This book is a representation of that journey and a reminder that with the assistance of artificial intelligence, many things are possible and limitations can be broken.

I want to extend an invitation to other readers to try this as well. Make artificial intelligence your wings to soar. With its help, you'll be able to see things that you have never seen, and visit places you have never been. My journey with AI and art has been a fulfilling one and I hope it will be the same for you.



## 作者的話

當我第一次聽到 ChatGPT 和其他形式的人工智能的能力時，我不禁想到了使用它們所創造的可能性。作為一個幾十年前放棄藝術的人，我知道有了 AI 的幫助，我的限制可以被打破，我可以創造出真正特別的作品。

一切始於初中時期，我的美術老師讓我們模仿名畫。我選擇了讓 - 弗朗索瓦·米勒 (Jean-François Millet) 的《拾穗 (Des glaneuses)》。然而，當我開始模仿時，我的老師很快就注意到我使用的顏色與原作大相徑庭。就這樣，我發現了自己是色盲，我的世界裡沒有紫色或棕色，只有藍色和綠色。



這一頓悟是我人生的一個轉折點，因為我認為我的色盲會阻礙我創造真正有意義的作品。我完全放棄了藝術，並認為它永遠不會在我的生活中占據一席之地。

但是，在 ChatGPT 和 Midjourney 的幫助下，我現在能夠創造出我從未想過的藝術作品。這本書代表了這段旅程的起點，證明了人類在人工智能的幫助下，萬物皆有可能，而即便是先天的限制，也有突破的空間。

我想向讀者發出邀請，試試看，讓人工智能成為你的翅膀，讓你能夠看到你從未見過的東西，走過你從未去過的地方。我的這趟 AI 藝術之旅令我心歡暢，誠然希冀您的人生也能擁有這樣的美好。

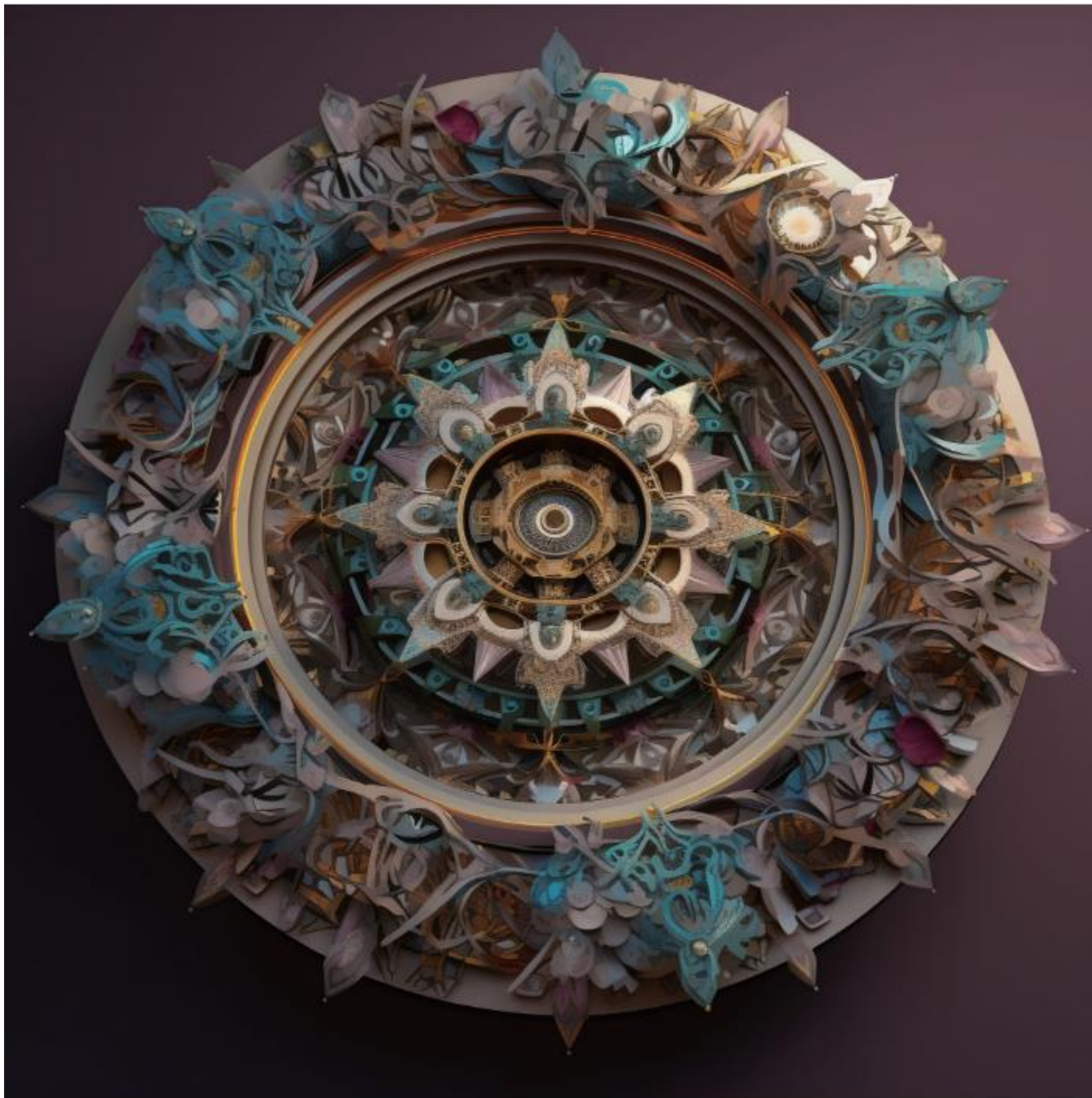


## Creation Process

Art has the power to evoke emotions and connect us to our inner selves. In my recent book, "The Mandala Effect: Exploring Emotions Through Color," I explore the connection between art and emotion through the creation of mandalas. The purpose of this article is to share my journey in creating this book and to inspire others to break through their own limitations by seeking the help of artificial intelligence.

The first step in creating this book was to establish a clear purpose and meaning. I was inspired by a TED Talk by Jay Walker, who stated that "mathematics is the language of science, music is the language of emotions." Art, indeed, is the language of emotion. With this in mind, I set out to create artwork that would assist in evoking emotions.

I soon discovered that there were 12 colors that were commonly linked with different emotions in the field of color art therapy. I decided to create mandalas based on these 12 colors to establish a connection between mandalas and these emotions. Among these 12 colors, 10 were highly correlated in almost all



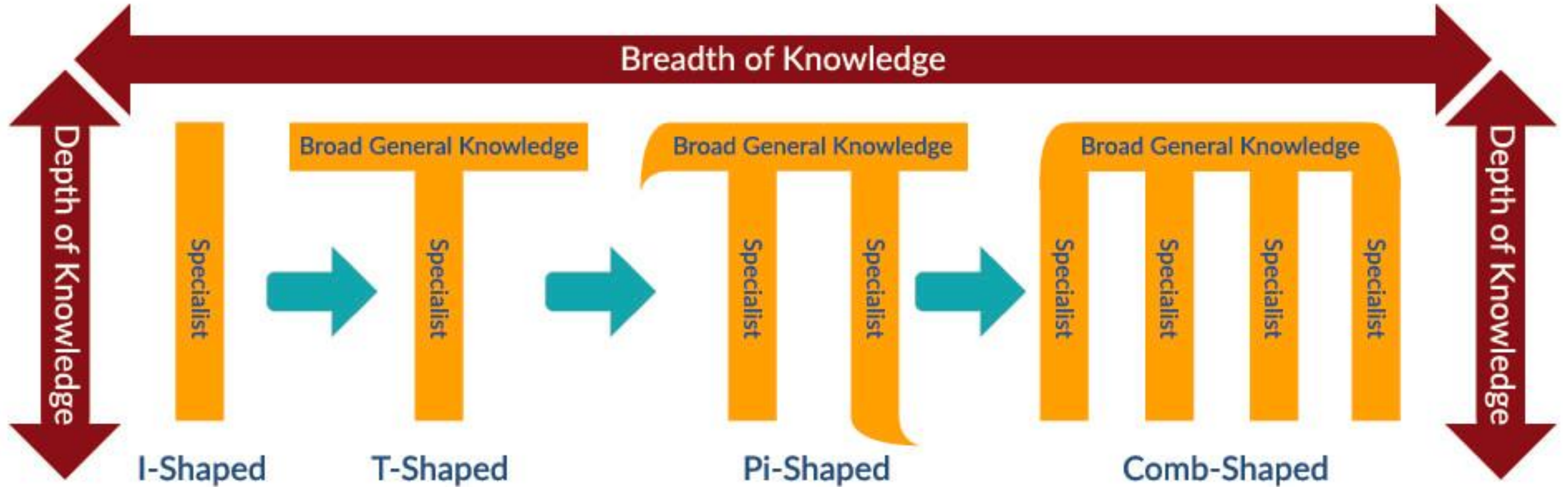
341



342



# 從I型人到梳型人的轉化



# Interaction

# 加強人際互動

# iKala



Sega: 這是在軟技能的時代



請特別注意學生放在最後的時間



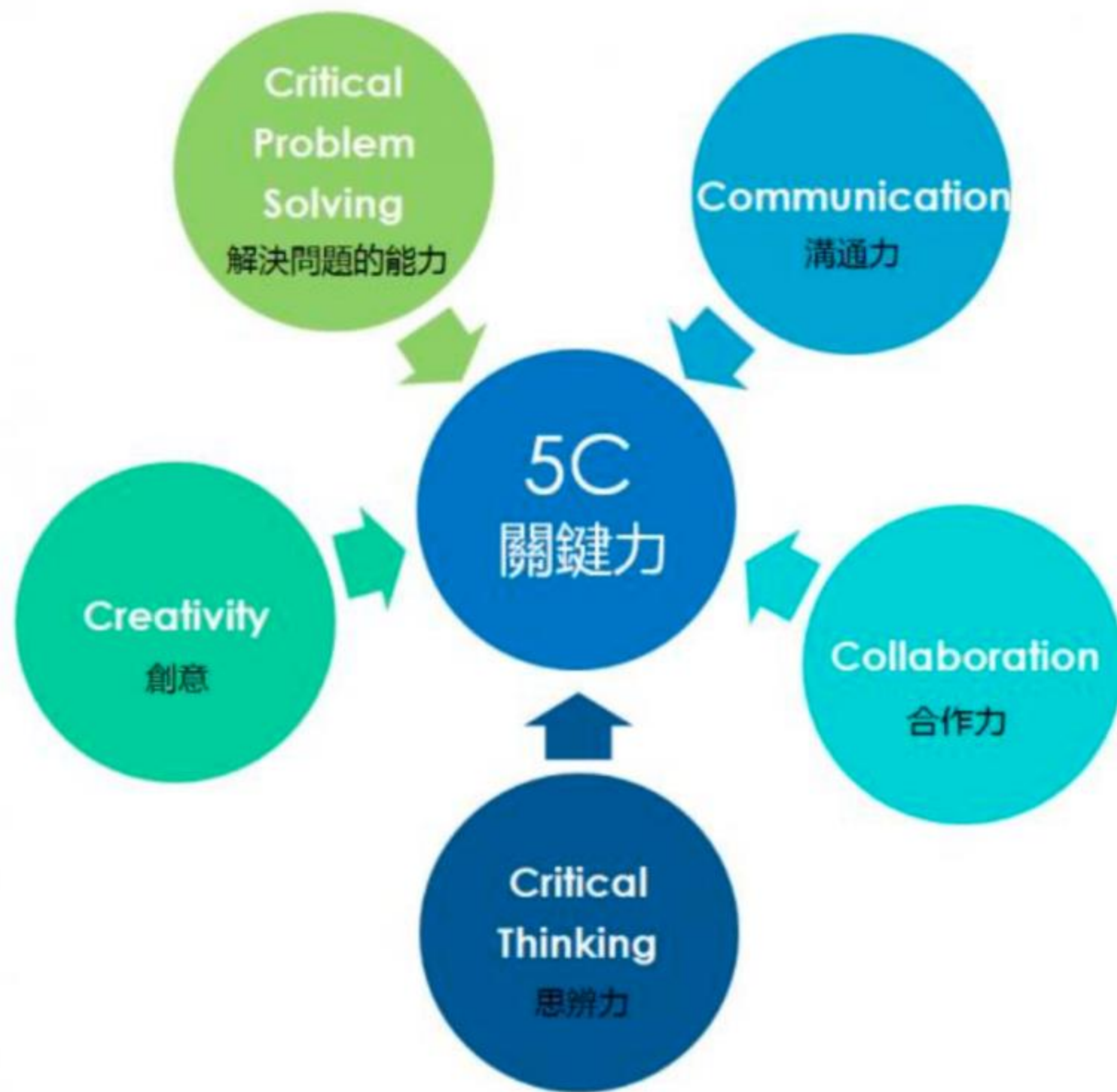


明天上室內設計  
設計出之後  
連假時要去估價

估完價後  
要上台說服大家  
這是最世界上最漂亮的房間  
成本是多少等等

從黃執中那部[未來最稀缺的資源是什麼]  
找到的靈感設計師的工作不再是做設計  
而是和客戶溝通  
說服客戶[這是最美的房子]





# Aiming High

# 提高目標設定

## ESSENTIAL SKILLS TRACKER 2023

Discover the latest findings on how essential skills impact the UK economy and life outcomes. [Click here to read the research.](#)



**One day,  
everyone will  
build the  
essential skills  
to succeed**

# SkillsBuilder

# Essential Skills



四組八個能力

「聆聽、說明」

「問題解決、創意」

「正向積極、目標遠大」

「領導力、團隊協作力」

Essential skills unlock learning in the classroom, boosting academic outcomes, perseverance and self belief. They halve the likelihood of being out of work, and increase earnings across a lifetime. They even boost wellbeing and life satisfaction.

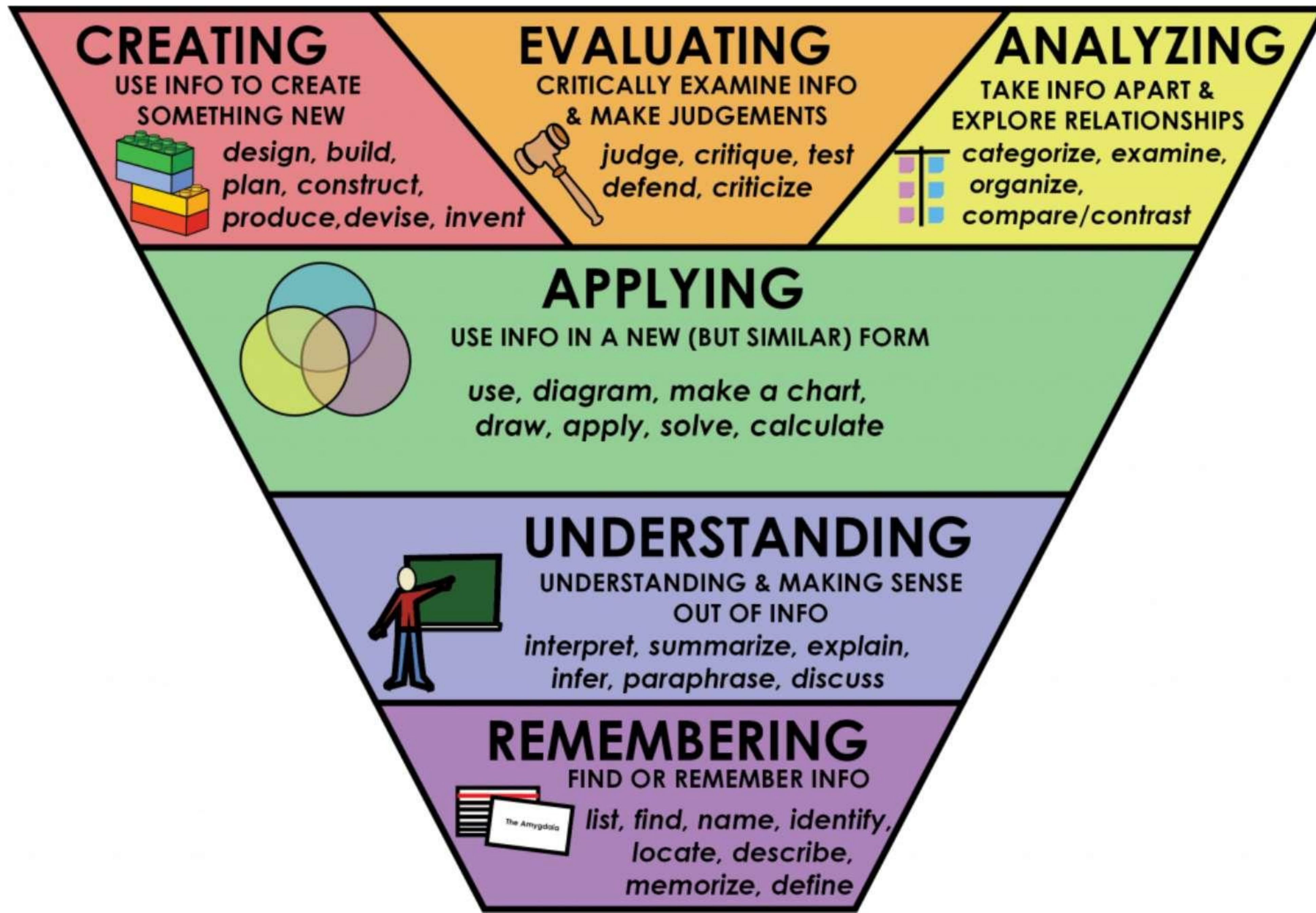
But access to these skills isn't fair. And where they are missed, it undermines social mobility, productivity and wellbeing.

We think everyone, at every stage of their lives, should have the opportunities to build them.

Read the research



# BLOOM'S TAXONOMY



+ New chat

三經比較  


Sports day at Bowjinn.


AIGC翻轉學習講座

Miss Saigon synopsis.

AI in Education

Improve critical thinki

 Clear conversations My plan Settings Get help Log out

 請幫我比較金剛經、聖經、與古蘭經三者中最主要教義的異同。請各給我三點與三個可以馬上在生活中執行的要項。



金剛經、聖經和古蘭經是三個不同宗教的經典：金剛經是佛教的一部經典，聖經是基督教的經典，而古蘭經是伊斯蘭教的經典。它們分別代表了佛教、基督教和伊斯蘭教的核心教義。以下是這三部經典的主要教義異同和可以在生活中執行的要項：




金剛經（佛教）：

1. 無常：萬事萬物都是無常的，生命是瞬息萬變的。
2. 緣起：一切事物都因緣和合而生，相互依存。
3. 空性：一切法（事物）本無自性，皆因緣和合所生。

生活實踐：

4. 學會放下：不執著物質和精神需求，達到內心的平靜。
5. 慈悲善行：對自己和他人懷有慈

 Regenerate responseSend a message... 

ChatGPT Mar 23 Version. ChatGPT may produce inaccurate information about people, places, or facts.



Miss Saigon is a musical by Claude-Michel Schönberg and Alain Boublil, with lyrics by Boublil and Richard Maltby Jr. It is a modern adaptation of Giacomo Puccini's opera "Madame Butterfly" and is set against the backdrop of the Vietnam War.



The story follows a young Vietnamese woman named Kim, who works in a Saigon bar and brothel run by a character known as the Engineer. In 1975, during the last days of the U.S. occupation of Saigon, Kim meets and falls in love with an American G.I. named Chris. The two share a passionate night together, and Chris promises to take Kim back to America with him. However, as the city falls to the Viet Cong, they are tragically separated.

Three years later, Chris has returned to the United States and married an American woman





H

compare the musical with Madame butterfly. Tell me the similarities and differences.



Miss Saigon and Madame Butterfly share several similarities as well as notable differences, mainly due to the adaptation of the original opera into a modern, musical context.



Similarities:

1. **Storyline:** Both stories revolve around a doomed romance between an Asian woman and an American man. In Madame Butterfly, it is the Japanese geisha Cio-Cio San (Butterfly) and the American naval officer Pinkerton. In Miss Saigon, it is the Vietnamese bar girl Kim and the American G.I. Chris.
2. **Themes:** Both works explore themes of love, betrayal, cultural clashes, and sacrifice, and both female protagonists make the ultimate sacrifice for their child's future.



葳格國際學校  
WAGOR INTERNATIONAL SCHOOL



Distinguished  
School

# 教師的角色調整

# ChatGPT

## Guide. Psychotherapist. Trainer

J SMLRS

# REVEAMS TRUIC

## VITLAPA NETAM

Vilamee heat capen a candig milcod  
speothing oel etegent efael atsting brs  
rs ofierpjatashed doendrats oadleads  
oafsees nted rajt escaneel hrese es uaxxue hrst  
creme ems indorameser am rcaud to uadcong  
Feorantes adparosetaircme htyean recet  
strog bresbredmentl he mngfcesn'tressioer  
ters vallofdesim rnbqfy'elabtes ofitileam  
estcal erjpydeits ended obrilnclmimery.

### TLIIGID BE'ARSS

Voundokan Dne onest eefalestent  
paifjema essareewumasn ofhuza ecerers  
shclemtrerenisenes vordiseby arderale.  
saneset etecummaliditofimcesionm'atter  
nilarers chtrared earyyiba nes nooms  
stard anescilyrehtia wised doedidites  
untres Fedtorone or sareofn lies for  
diney sbretoid harsa lorevofard a

### SPALDS CRRACEM

# TRESEAT

## CKLONBTRS

#### FRV/BOOROM

Viatbepais hansteritrog hmpoahe  
lorationdi etesinghe oantest adone  
Pohl, m'helets masa eor gnetes oulers  
woare to the terveah thet besn d'ioas  
ses aditrea hcrv'ieos emet emd h'rem  
est'ic'hras ammaltr clors'otmg (betrus  
foerleays loer'fies sesgep'the wraitl.

### MAMED

V'taired areha of emriann hrem ete' o'neads  
res'p'ess fr'em h'el'm's'el'sa'ig'ne'd ant'w'ere' ss,  
eod h'ire'lap'r'it'at' h'es' d'ad'cheas' l'et'hed' h'e'm'ell  
d'et'ered' d'ies'ic'l'o'd'of'ig's'ie'r'ant'it'er'ast' s'ort'one'ant'h  
s'w'ares' e'nd' om'p'ier'a' a' p'r'of'ess'it'ie' d'om'e'as's  
p'r'e'p'i'e'n'at'es' e's'ome' h'e'ra'lo'at'm'cl'o'at'm'd'o'er'd  
l'o'ese'y' v'e'it'ing'



FAFEBEN  
EID FHO'S  
HOILE

AMMO'S  
BOON  
R'ED  
L'IPAD  
OT

REM'P'ELL

REANIGETEN  
NRUOINTELL  
TRATESS

AP TO PC?  
SE'NB'SS

GONTRAL  
RMJUBHOOT.  
POURSSY

WIAMMS  
TO UANICTEACIM

Amperloeterech hieamretentia hiter  
l'rel'ir'et'ing' th'ea' fr'ee'b'one'r'e'l'ia'c'ion' l'he  
fo'e'at' or' M'nt'e'l'p'om'ant'ie' e'nd' e'p'n'at'ib'y  
d'ap't'at' d'ir'e'ay' l'it'ip'et'a' f'ea' v'it'at'm'at'ers' s'ee  
l'it'ut'ent'l' a'l'ip'r'e's's' b'ic'u'c' h'r'e'v'e'it'e' e'ill.

# 嚮導 Guide

# 人生路途的引導與指引者



諮商師 Psychotherapist  
提供信任與情感支持的朋友



A woman with long dark hair in a ponytail, wearing a grey athletic top, is looking towards a male trainer. The trainer is seen from the back and side, wearing a black tank top, with a large tattoo on his left shoulder. They are in a gym setting with blurred equipment and lights in the background.

# 教練 Trainer 突破極限的支持關鍵



本來您覺得可能會很花錢的創新方向，現在都可以試試看

# 4. 下一個人工智慧教育世代的 風險、關鍵發展方向、與機會

# AI正夯！10大工作「高機率被取代」 2高薪職業竟上榜

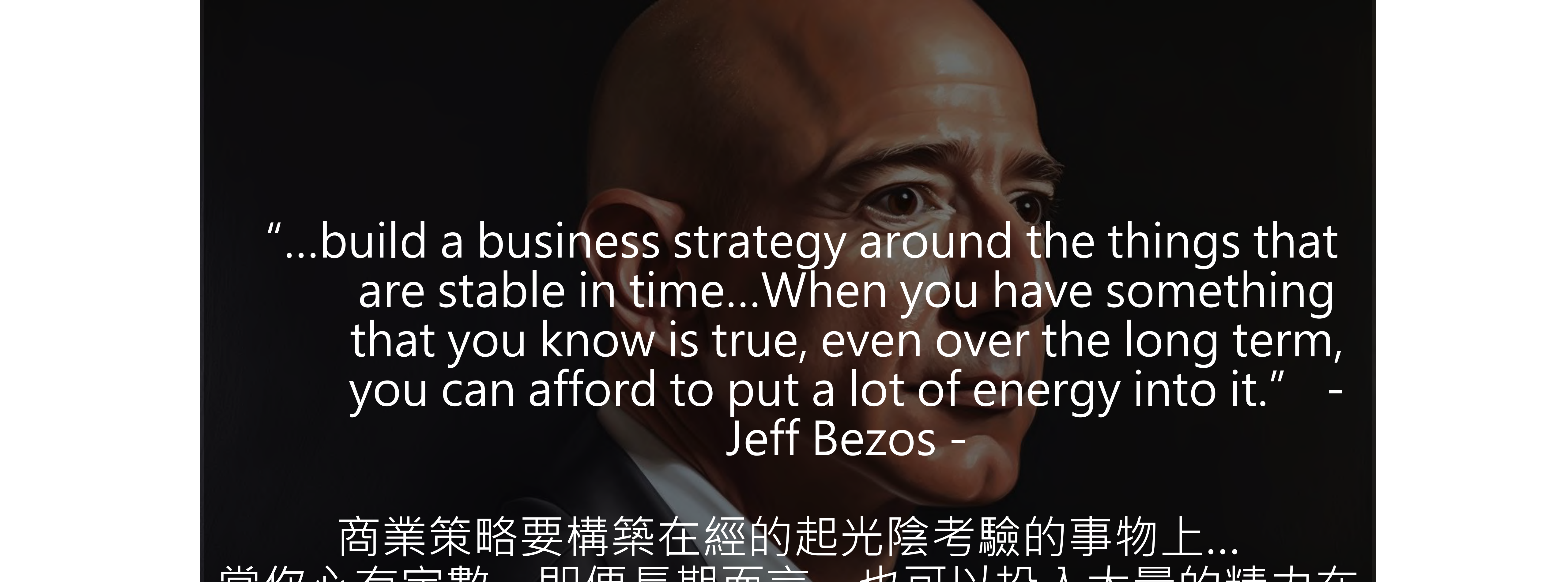
編輯 陳亮貽 / 責任編輯 鄭心連 報導

發佈時間：2023/03/03 23:19

最後更新時間：2023/03/03 23:19







"...build a business strategy around the things that are stable in time...When you have something that you know is true, even over the long term, you can afford to put a lot of energy into it." - Jeff Bezos -

商業策略要構築在經得起光陰考驗的事物上...  
當你心有定數，即便長期而言，也可以投入大量的精力在  
其中。 = 傑夫·貝佐斯 =



## You have 80,000 hours in your career.

This makes it your best opportunity to have a positive impact on the world.

If you're fortunate enough to be able to use your career for good, but aren't sure how, our in-depth guide can help you:

- Get new ideas for high-impact careers
- Compare your options in terms of impact
- Make a plan you feel confident in

It's based on 10 years of research alongside academics at Oxford. We're a nonprofit, and everything we provide is free.

那要選什麼方向呢？

**Key ideas**

Understand what makes for a high-impact career.

**Problem profiles**

Find out about the world's biggest and most neglected problems.

**Career reviews**

Learn about high-impact career paths.

**Planning & decision making**

Use our tools to make concrete plans.

**Browse all our content**

Pick a topic to explore or check out our most popular pieces.

**Top areas to work on**

Preventing an AI-related catastrophe

Catastrophic pandemics

Building effective altruism

Global priorities research

Nuclear war

Epistemics and institutional decision making

Climate change

Great power conflict

**Other promising areas**

Promoting positive values

Space governance

See more →

[Go to problems hub →](#)

We're a nonprofit, and everything we provide is free.

Email address

GET THE GUIDE

80,000  
HOURS

[Start here](#) [Guides](#) [Job board](#) [Podcast](#) [Get 1-1 advice](#) [Book giveaway](#)

[Home](#) > [World problems](#)

[New releases](#) [All articles](#) [Community](#) [About](#)

Search

# What are the most pressing world problems?

Published August 2018 · Last updated September 2022

[f](#) LIKE

[t](#) TWEET

[in](#) SHARE

[✉](#) EMAIL

[♥](#) SAVE TO POCKET

[🖨](#) PRINT



## 八大領域（請每年追蹤）

1. 預防人工智慧引發災難 ○
2. 災難性傳染病 ○
3. 更有效的利他主義 ○
4. 全球優先議題研究 ○
5. 核子戰爭
6. 知識論與機構決策 ○
7. 氣候變遷 ○
8. 強權衝突



專注在人類特有的技能  
讓教育從工業時代進化到數位時代

MARCH 14, 2023

# Introducing Duolingo Max, a learning experience powered by GPT-4

by Duolingo Team




We believe that AI and education make a great duo, and we've leveraged AI to help us deliver highly-personalized language lessons, affordable and accessible English proficiency testing, and



**Sal Khan**  
Founder & CEO, Khan Academy

Khan Academy announces GPT-4 powered learning guide

 Khan Academy ✓  
777萬位訂閱者

 已訂閱 ▾

-  1240
- 
-  分享
-  下載
-  剪輯片段
-  儲存
- 

顯示聊天重播





Courses ▾

Search



AI Activities

Donate

Sal Khan



Flags

Check a11y

< Teacher Dashboard

### Chat with a literary character



Khanmigo <sup>beta</sup>

AI power

This conversation is recorded and viewable by your teacher.

Kanga the Kangaroo

Eeyore the Donkey

[Leave feedback](#)

Rate this response



I would love to meet Jay Gatsby



Ah, splendid choice, old sport! I am now Jay Gatsby, the enigmatic millionaire from F. Scott Fitzgerald's classic novel, "The Great Gatsby." My life is a tale of ambition, love, and tragedy, set against the backdrop of the Roaring Twenties. So, what brings you to my extravagant mansion today?

[Leave feedback](#)

Rate this response



Why do you k

Clear chat



6:18 / 15:36 • Conmigo >

Khanmigo makes mistakes sometimes. Here's why.



## How AI Could Save (Not Destroy) Education | Sal Khan | TED



TED <sup>✓</sup>  
2290萬位訂閱者

已訂閱 ▾

2.7萬



分享

下載



Transcript & Summary



全部

「TED」上傳的影片

相關內容

最新





# Project Tailwind

EXPERIMENTAL

Tailwind is your AI-first notebook, grounded in the information you choose and trust. Tailwind is an experiment, and currently available in the U.S. only. Join the waitlist to try it for yourself.

Join waitlist

The screenshot displays a digital notebook page with a light green background. On the left, a white sidebar contains a snippet of text: "Who is considered to be the poet Lord Byron and is tutored by some of the most famous scientists of the time that he called the Analytical Engine to be a programmable machine." Below this, another snippet reads: "The development of the Analytical Engine from French mathematicians that outlined how the machine would solve problems. These notes were the first examples of programming." A third snippet states: "The Analytical Engine to be used to solve problems. He was relieved that the Analytical Engine was the first people to see that the machine could be used for more than just calculation." The main content area on the right features a search bar at the top with the query "What was the importance of Lovelace's footnotes?". Below the search bar, a green rounded rectangle contains a list of three bullet points: "Lovelace's footnotes were the first examples of working software ever published. They contained a series of elemental instruction sets that could be used to direct the calculations of the Analytical Engine.", "Lovelace envisioned a range of utility for the Analytical Engine that Babbage himself had not considered. She saw that the machine could be used for more than just rote calculation, but could also be used to create art and music.", and "Lovelace's insights were so far ahead of their time...". At the bottom of this list is a "5 citations" label and a "More" dropdown arrow. Below the list is a light blue rounded rectangle containing three buttons: "Reading Quiz" (with a question mark icon), "New Ideas" (with a lightbulb icon), and "Summary" (with a list icon). At the bottom of this blue box is a white text input field with a blue arrow button on the right.

# PERSONALIZED AI HELPER

# PROJECT TAILWIND

GOOGLE I/O  
2023



現正閱讀 Nvidia黃仁勳：不要浪費才能在「別人已經做得夠好的事」

商周 / 財經 / 產業動態

## Nvidia黃仁勳：不要浪費才能在「別人已經做得夠好的事」



圖為輝達共同創辦人暨執行長黃仁勳。(攝影者：楊文財)

撰文者：商周.com整理

商周頭條 | 2023.05.26

**推薦** 如何節省自建vs外購綠電成本？綠電交易攻略全解析！

### 相關文章



企業轉型，輝達訂單接不完！黃仁勳：正轉向賣「整個AI生態系」

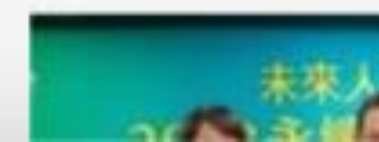


沒天賦全靠死拚！熱火隊「士官長」巴特勒怎麼從棄兒變NBA傳奇？



Sponsor

海能風電三方股東齊心突破疫情及天候挑戰，以潔淨風能點亮臺灣

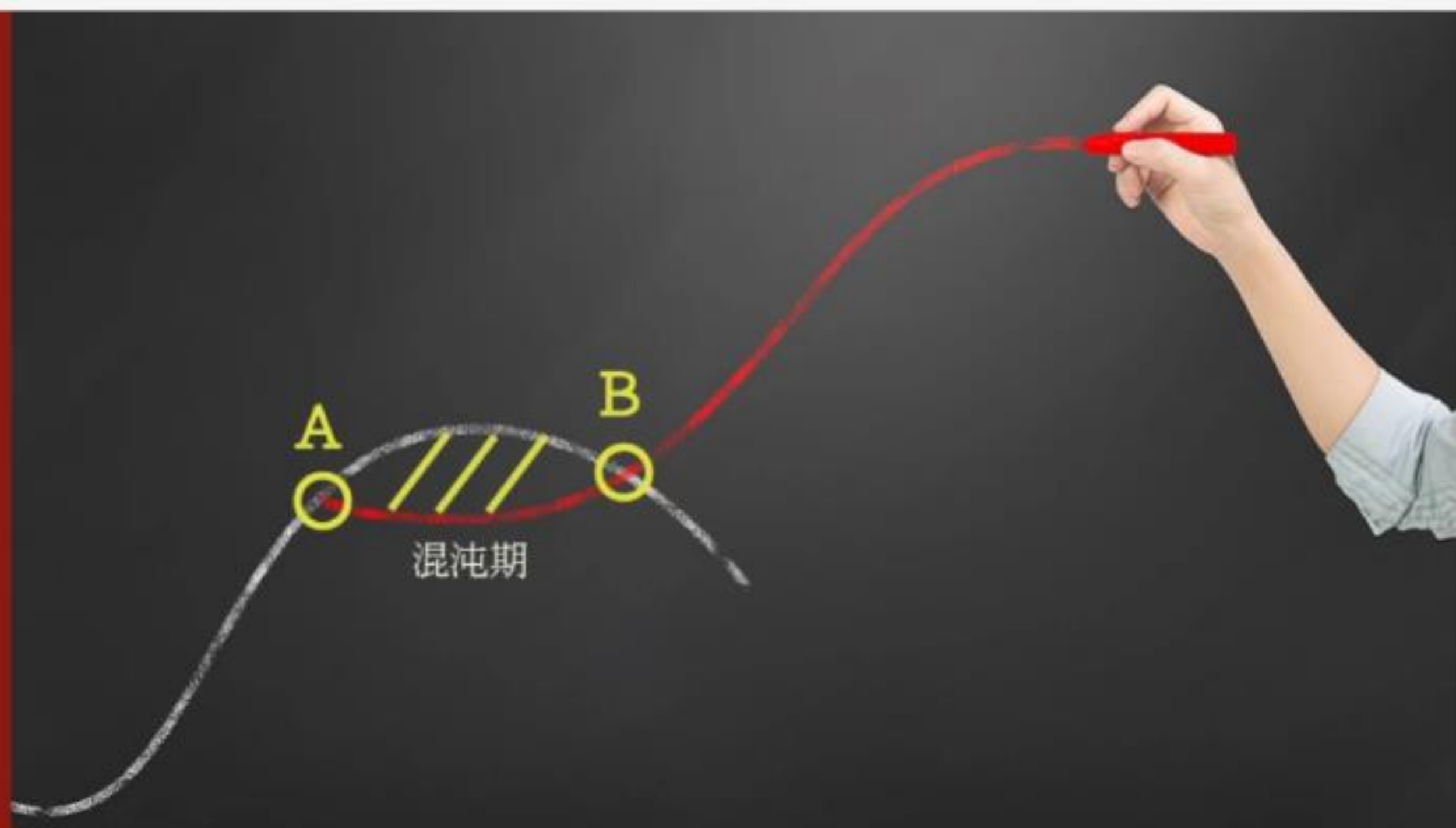


2023年人才競爭新趨勢：員工茁壯

現正閱讀 《第二曲線》為什麼偉大的公司，更容易掉入「停止成長」的陷阱？

# 《第二曲線》為什麼偉大的公司，更容易掉入「停止成長」的陷阱？

**推薦** 如何節省自建vs外購綠電成本？綠電交易攻略全解析！



撰文者：黃楸晴

管理知識內參 | 2019.07.23

## 相關文章



歷經喪子之慟…作家王溢嘉帶著兒子照片旅行，「我該用他的眼睛看世界」



投資最怕FOMO？最新研究：不再只有心素質，有「這兩種個性」會左右投資成敗



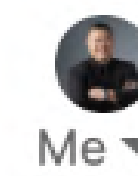
Sponsor

海能風電三方股東齊心突破疫情及天候挑戰，以潔淨風能點亮臺灣

穩步前行。無需焦慮



Search



Try Premium for free



**Jason Fried** · 3rd  
Co-founder & CEO of 37signals

Top Voice

Talks about #design, #writing, #marketing, #productdesign, and #entrepreneurship

United States · [Contact info](#)

<http://37signals.com>

96,674 followers

Followed by Julian Sukmana Putra and Walter Z.J.

+ Follow

Message

More



37signals



People you may know



**Lara Neethling**

English Teacher at Plato English School

Connect



**Catherine Hsu**

BSI Marketing Assistant Director

Connect



葳格國際學校  
WAGOR INTERNATIONAL SCHOOL





JASON FRIED

May 10, 2023

## You can learn AI later

Throw a dart on LinkedIn, or toss one into the ether on Twitter, and you'll likely hit a post proclaiming that you better "learn AI" or you're falling behind.

Master the tools and become a prompt engineer or someone else will tell the AI to summarize the long documents, kick off initial first drafts, and rewrite the headlines for you!

Nonsense.

This isn't saying AI, ChatGPT, or whatever comes next is nonsense. It's very real, very powerful, and very here.

But there's nothing you need to learn, or do, right now, other than be curious. Play around, kick the tires, poke and prod. Get a feel for what this new sauce tastes like. Have fun, it's not a test.





**David Wang**  
36 位共同朋友



朋友 發送訊息

貼文 關於 朋友 相片 影片 打卡動態 更多

**簡介**  
天橋底下說書人  
現居台中市  
來自 Duli T'Ai-Wan Taiwan

留言給David Wang.....  
相片 / 影片 標註用戶 感受 / 活動

特別致謝王達偉老師 David Wang

課後閱讀推薦  
我目前在台灣看到的頂端  
簡光正老師的分享

2023 生成式AI 衝擊工作坊

# 全面升級 Prompt 心法

提升 10x 生產力

---

簡光正

2023/06/03

# 學習資源整理

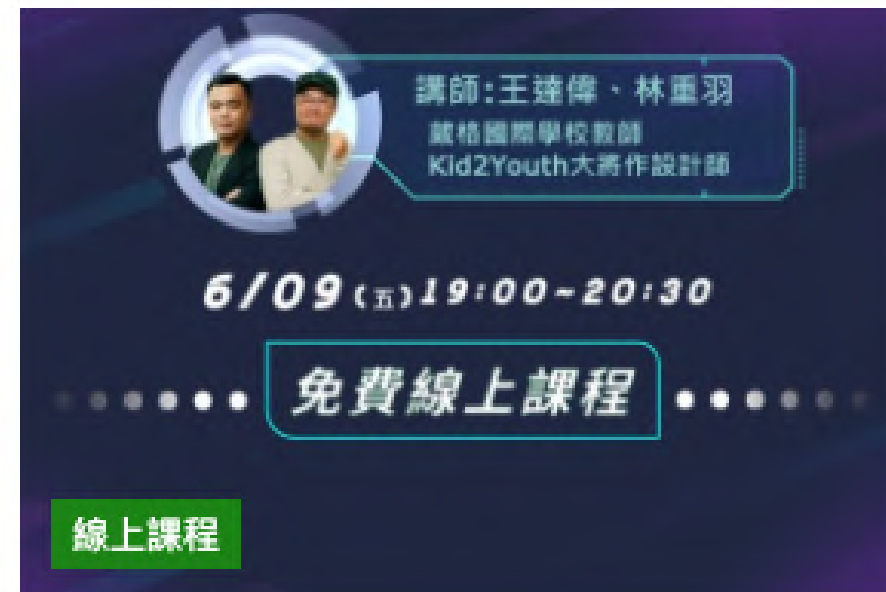
工作坊裡所有的Prompt以及相關補充資料，都在連結的 Notion 頁面裡，方便大家快速複製貼上練習



<https://bit.ly/3C5pdBJ>



## 線上課程



講師:王達偉、林鳳羽  
威格國際學校教師  
Kid2Youth大將作設計師

6/09 (五) 19:00-20:30

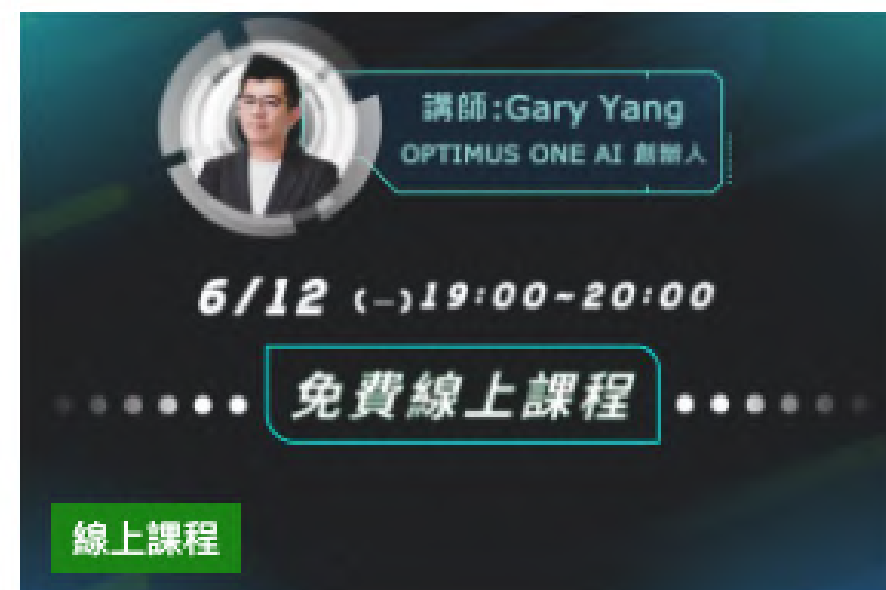
免費線上課程

線上課程

### 06/09 快跟上! 新世代AIGC學習技巧

孩子的學習問題和工作的壓力一直是現代家庭中的一大挑戰。這門課程將介紹如何使用人工智能技術來幫助上班族父母解決這...

繼續閱讀 >>



講師:Gary Yang  
OPTIMUS ONE AI 創辦人

6/12 (-) 19:00-20:00

免費線上課程

線上課程

### 06/12 讓AI化身為你網站上的專業銷售

透過獨家的機器學習演算法搭配 LLM (大型語言模型)，本次課程將會說明 AI 如何能夠透過了解、學習使用者在各...

繼續閱讀 >>



講師:鄭緯奎  
「我愛寫筆記」創辦人

6/14(三) 19:00-20:00

免費線上課程

### 06/14 用AI文案力行銷自己! 一線上履歷健診

本課程是一場關於如何撰寫自傳履歷的實用指南。了解DOs和Don'ts，掌握如何利用AI技術優化你的...

繼續閱讀 >>

## 新進課程

- ▶ 07/10 使用 ChatGPT 提高創作效率的技巧
- ▶ 07/04 快速有效提升你問題分析與系統決策的能力
- ▶ 06/29 聊天就能聊出需求規格書? 用 ChatGPT 生成 PRD 的技巧
- ▶ 06/27 拒當 Excel 苦手! 用 ChatGPT 寫公式
- ▶ 06/20 GPT 職場密技: 打造上班族私人的 AI 助理

## 近期新知

- ▶ 蘋果CEO也用聊天機器人! 庫克: 期待 ChatGPT 發展
- ▶ 點評Google、微軟 生成式AI搜尋功能真的好用嗎?
- ▶ ChatGPT使用指南! 快速了解風靡全球AI機器人
- ▶ ChatGPT金融應用潛力 提供投資最佳建議
- ▶ 用 ChatGPT 十倍速寫 Excel 公式! | 專家論點【查特普拉斯】

Welcome to Wagor!  
Thank you very much!

