

8 de maig de 2023

Cafè Disruptiu: La intel·ligència artificial generativa

Innovació disruptiva

La innovació disruptiva és aquell tipus d'innovació basada en la creació de nous productes i serveis utilitzant un nou model de negoci, i que deixen obsolet el que s'estava fent fins al moment, aconseguint un canvi d'hàbit dels consumidors.

Canvi de Mentalitat i de perspectiva

Tecnologia facilitadora de la solució

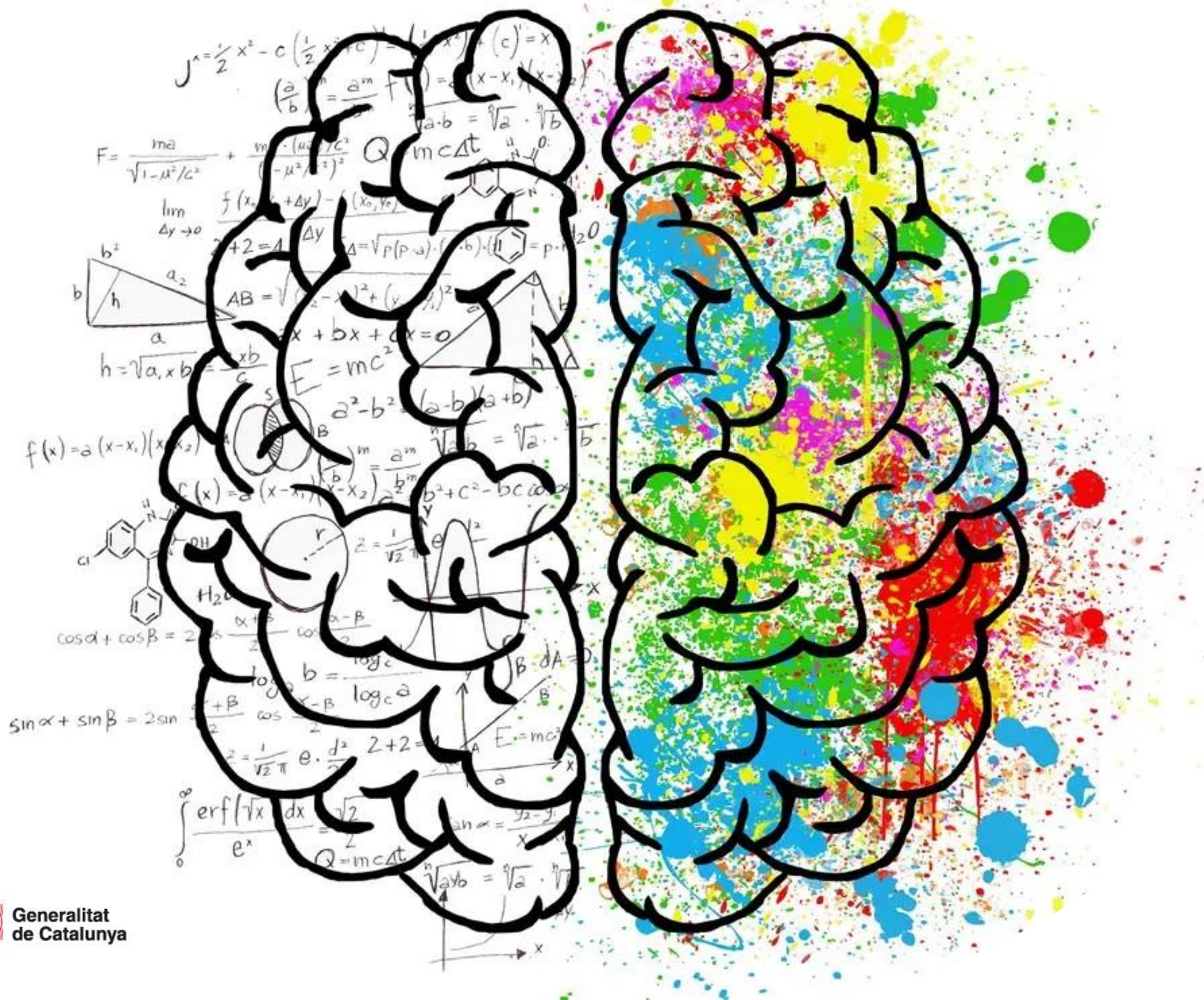
Generació de nous mercats

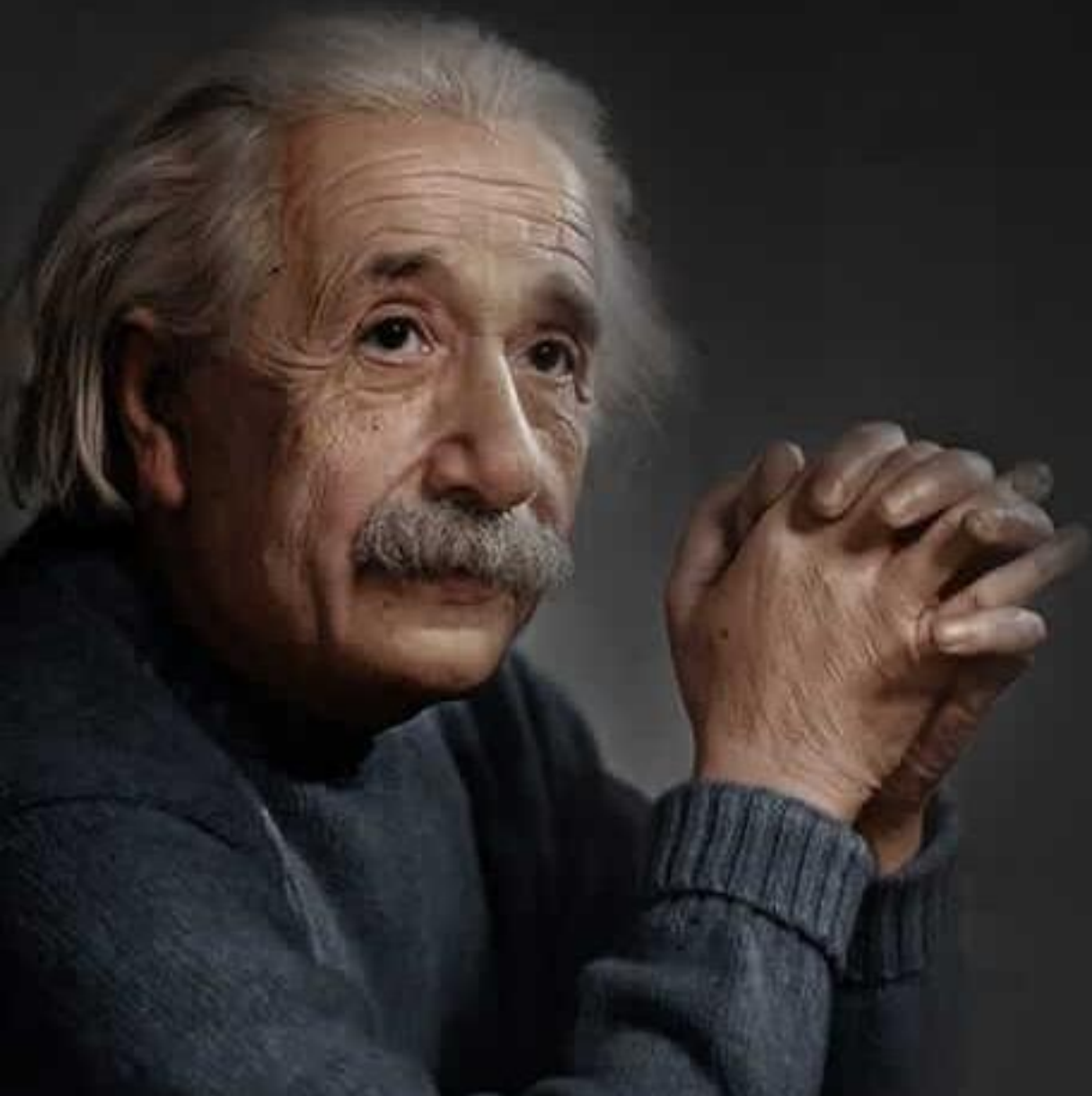
Solucions escalables

Nous models de negoci





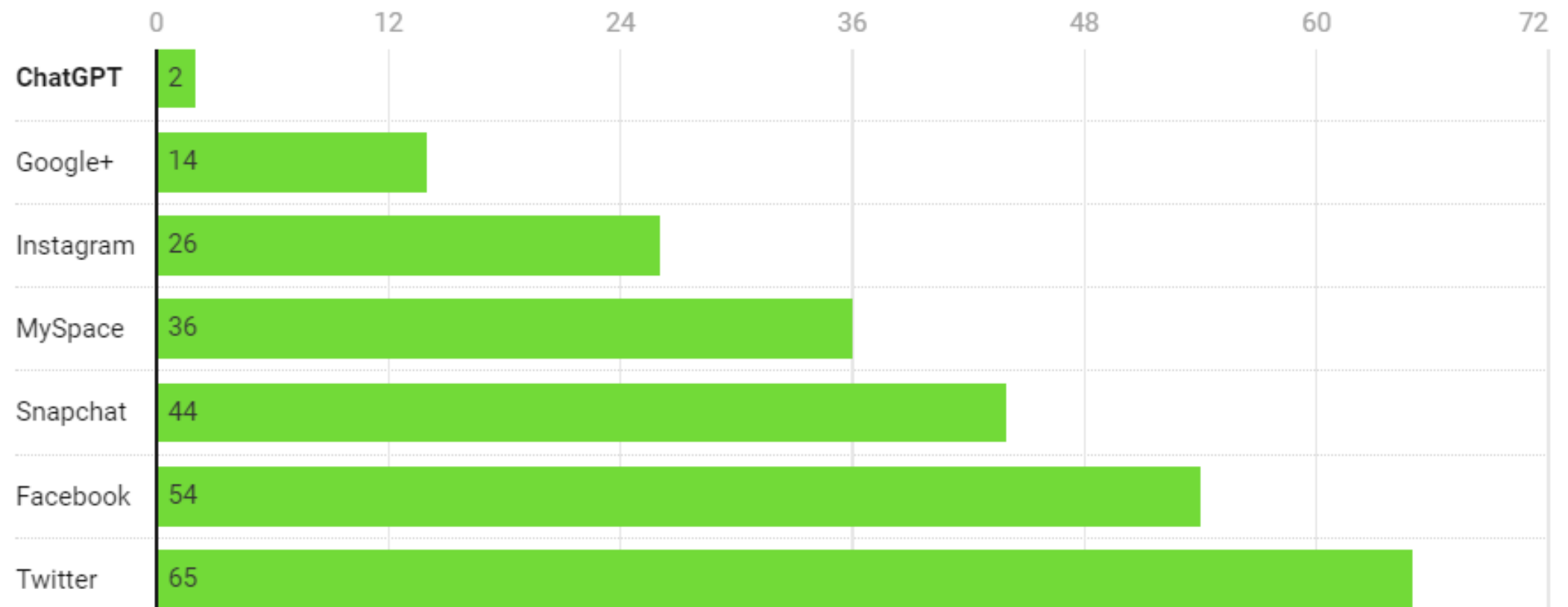




“Creativity Is
Intelligence
Having Fun”

Albert Einstein

¿En cuánto tiempo alcanzaron los 100 millones de usuarios?



En meses.

Gráfico: Xataka • Fuente: [Fool](#), [OpenAI](#) • Creado con [Datawrapper](#)

¿En cuánto tiempo alcanzaron los 100 millones de usuarios?



Sam Altman 
@sama · [Seguir](#)

En respuesta a @ahmedsalims
we will have to monetize it somehow at some point; the compute costs are eye-watering

8:38 a. m. · 5 dic. 2022

 2,3 mil  Responder  Compartir

[Leer 252 respuestas](#)

En meses.

Gráfico: Xataka • Fuente: [Fool](#), [OpenAI](#) • Creado con [Datawrapper](#)



Diego Bartolome · 1er

Empowering your company to achieve more with generative AI

Temas que suele tratar: #generativeai, #semanticsearch, #machinelearning, #artificialintelligence y #naturallanguageprocessing

Barcelona, Cataluña, España · [Información de contacto](#)

22.629 seguidores · Más de 500 contactos



sintetic.ai

INDEX

- Marc Conceptual
- On som?
- Per què tant de soroll?
- Dilemes ètics i morals...
- Futur laboral
- Aplicacions (De present)
- Aplicacions (De futur...)

MARC CONCEPTUAL

Intel·ligència Artificial:

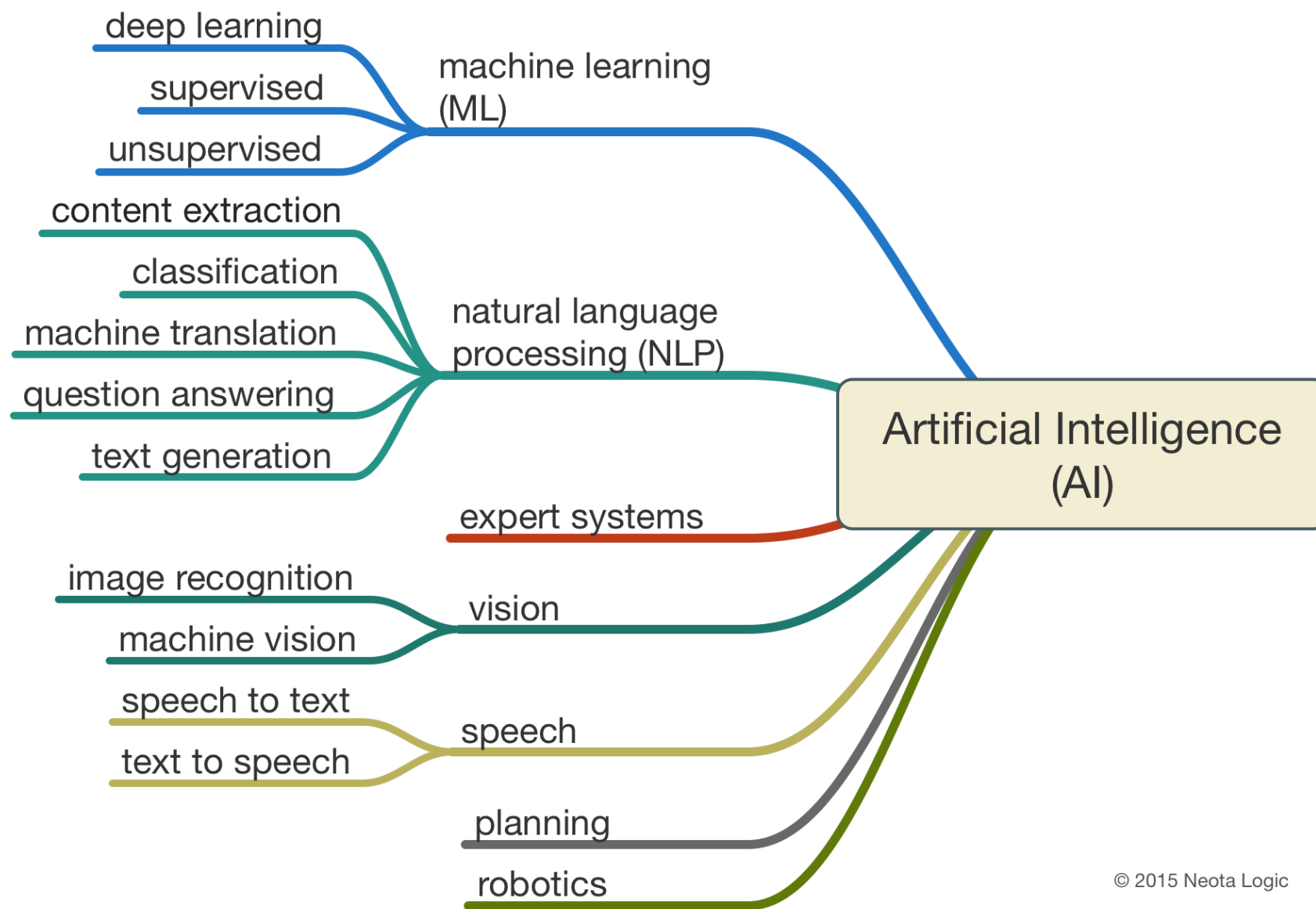
Una entitat que es comporta d'una manera que NO es pot distingir de com ho faria una persona.

Machine Learning:

Un mitjà pel qual es crea una sortida nova basant-se en un model entrenat amb unes dades específiques.

Deep Learning:

Un tipus de machine learning basat en xarxes neuronals en què una entrada es processa mitjançant múltiples capes

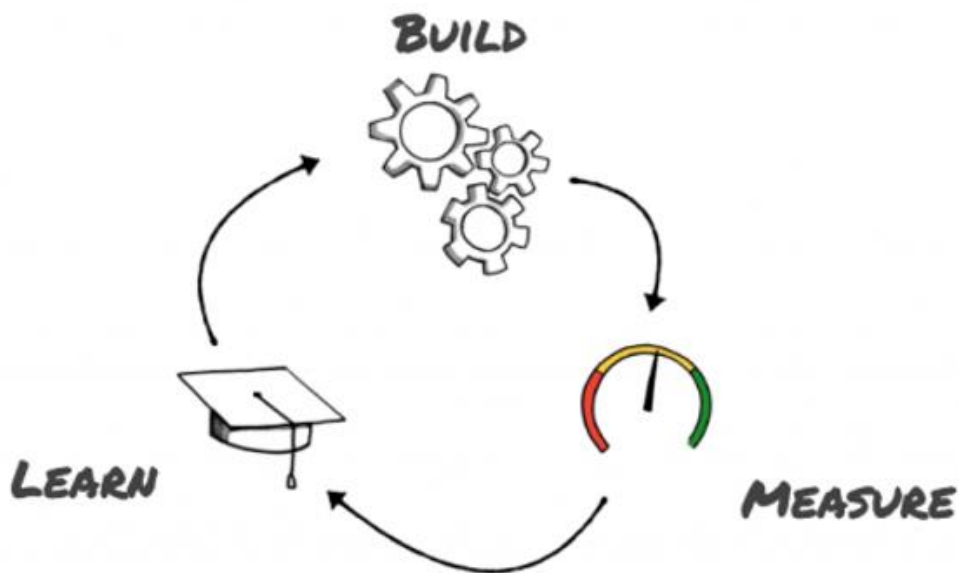


© 2015 Neota Logic

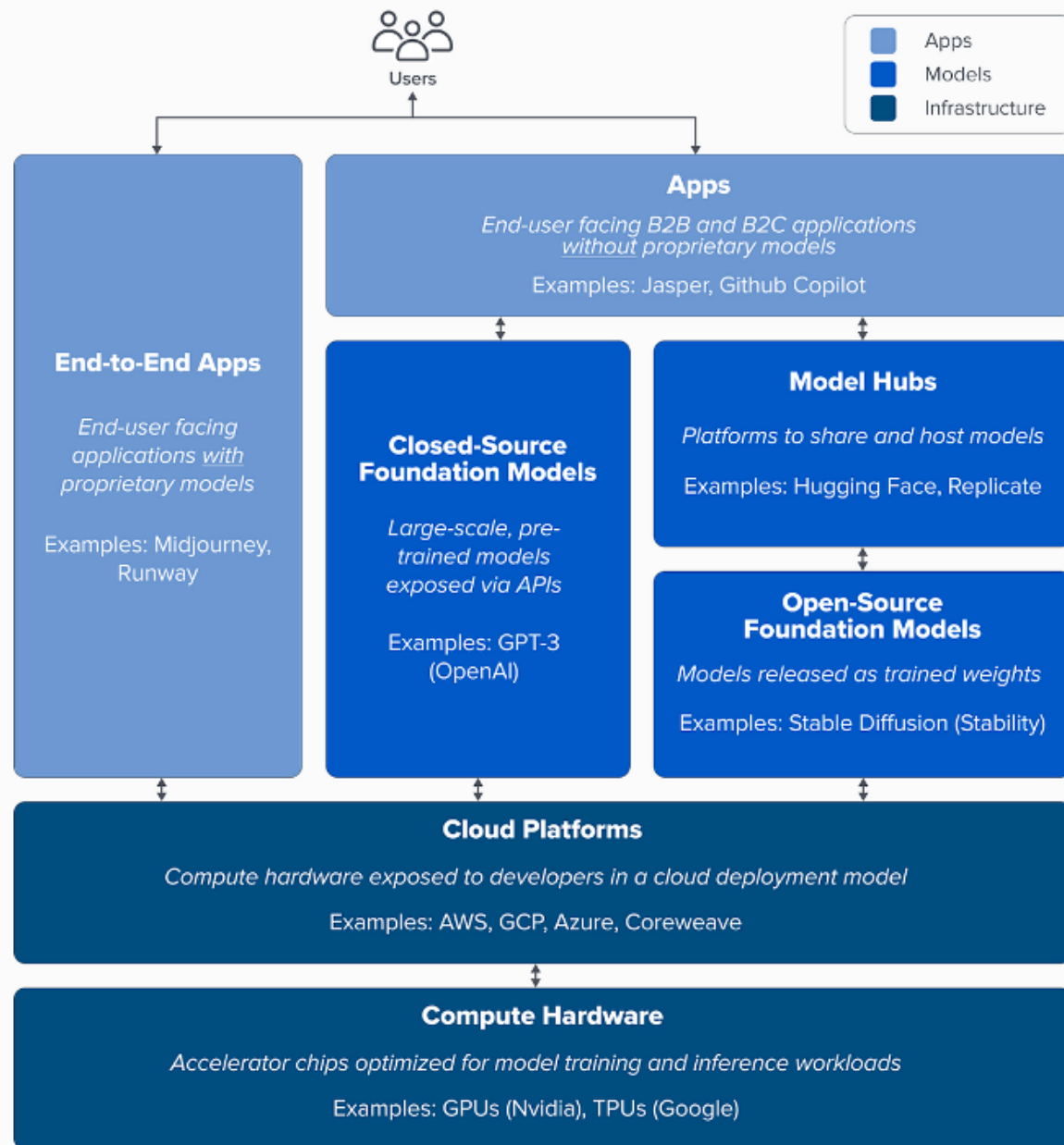
El camp evoluciona com un tornado

Es necessita expertesa

La millor forma de començar és:



Preliminary generative AI tech stack



ON SOM?

● generative AI
Search term

+ Compare

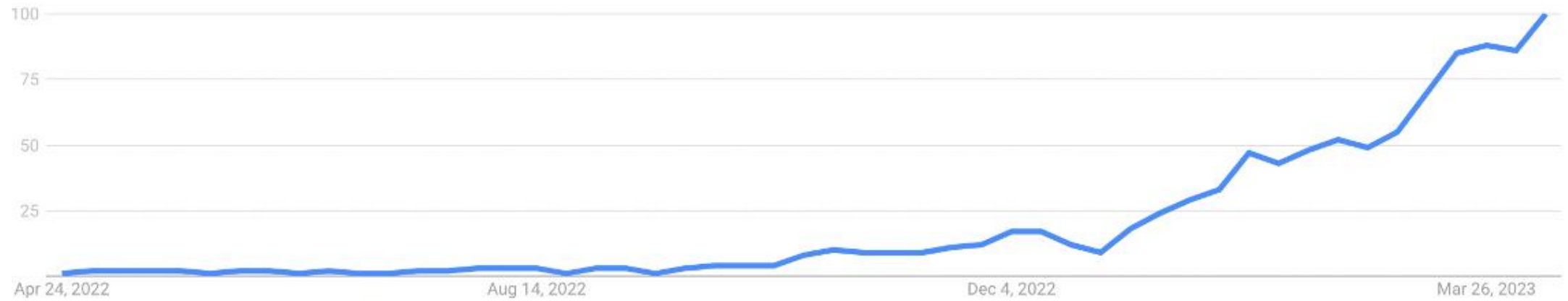
Worldwide ▾

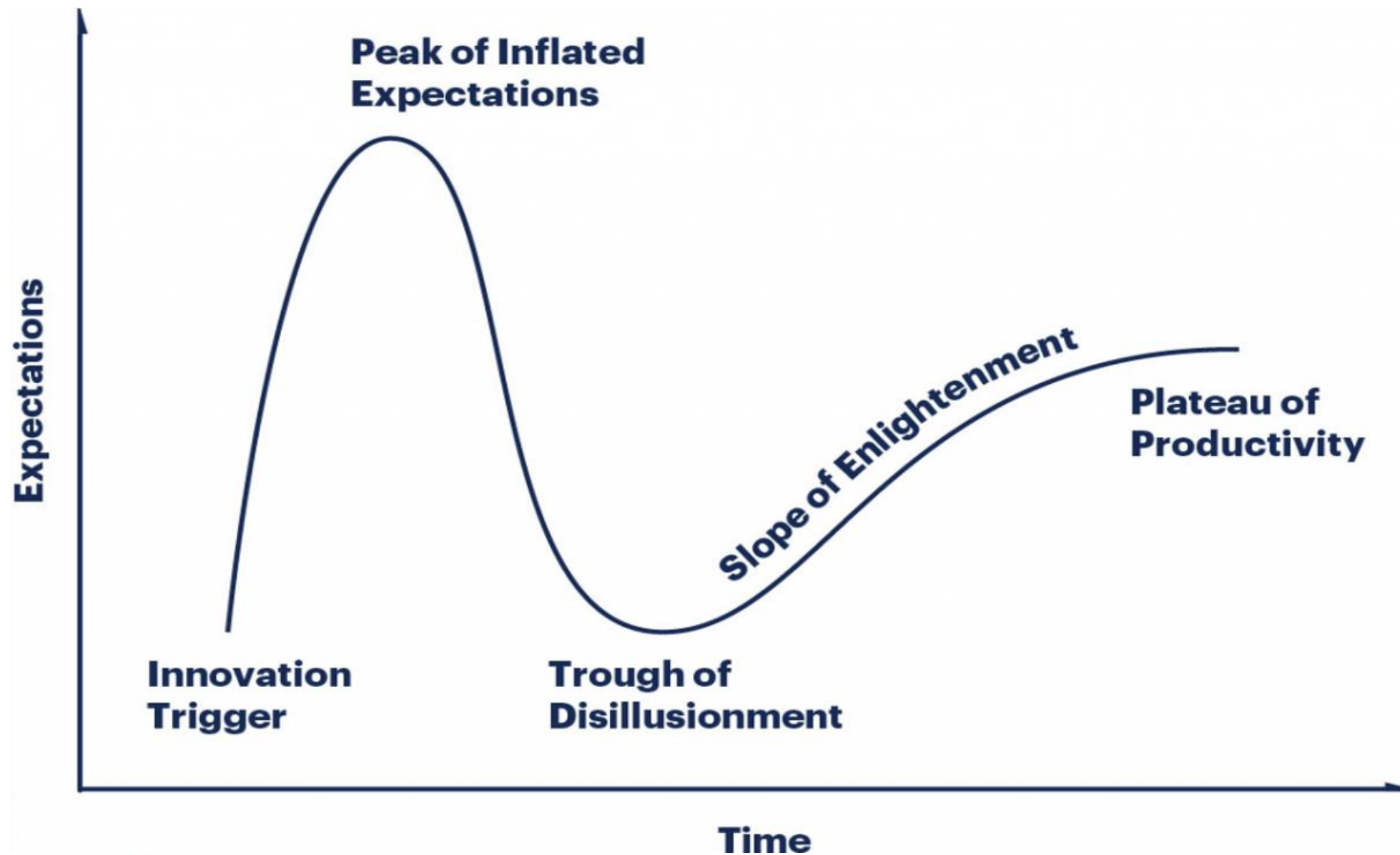
Past 12 months ▾

All categories ▾

Web Search ▾

Interest Over Time ⓘ





Apps

CONSUMER USES	ENTERPRISE STACK	INDUSTRY VERTICALS					
ENTERTAINMENT character.ai Midjourney	GENERAL PRODUCTIVITY ADEPT tome glean AlphaSense	LAW FIRMS Harvey.	CREATIVE runway Midjourney imagen descript	HEALTH iz.ai BAYESIAN HEALTH insitro PathAI UNLEARN	DEFENSE ANDURIL Shield AI SLINGSHOT AEROSPACE VANNEVAR Labs	AGRICULTURE & CLIMATE Pachama FarmWise	CONSTRUCTION CANVAS
PRODUCTIVITY OpenAI ChatGPT neeva	GENERAL & ADMINISTRATIVE Ironclad eightfold.ai GONG Clari Jasper WRITER						
OTHER trigo waabi	SALES & CUSTOMER SUPPORT RevComm PolyAI Moveworks Abnormal VECTRA GitHub Copilot						

Infrastructure

DEPLOY & MONITOR	FULL STACK LARGE LANGUAGE MODELS			
Hugging Face arize	OpenAI	ANTHROPIC	Inflection	Cohere
TRAIN & FINE TUNE MODELS Weights & Biases mosaicML PyTorch JAX				
USE OPEN SOURCE MODELS & FRAMEWORKS Hugging Face Stanford Alpaca LLaMA				
STORE & COMPUTE	DATA WAREHOUSES / LAKEHOUSE			HARDWARE
LABEL / PROCESS DATA Snorkel scale surge COACTIVE	snowflake databricks			NVIDIA AMD intel (etc.)
	CLOUD SERVICE PROVIDERS Google Cloud aws Azure			

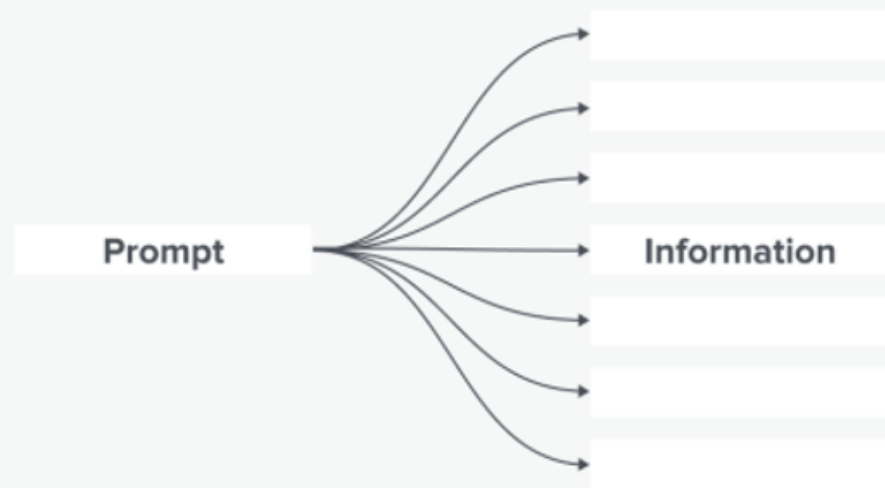
* Foundational Company not on the AI 50 because it's public

** Notable open source project not on the AI 50 because it's not a company

The SynthAI Revolution

Wave 1: Generative (GenAI)

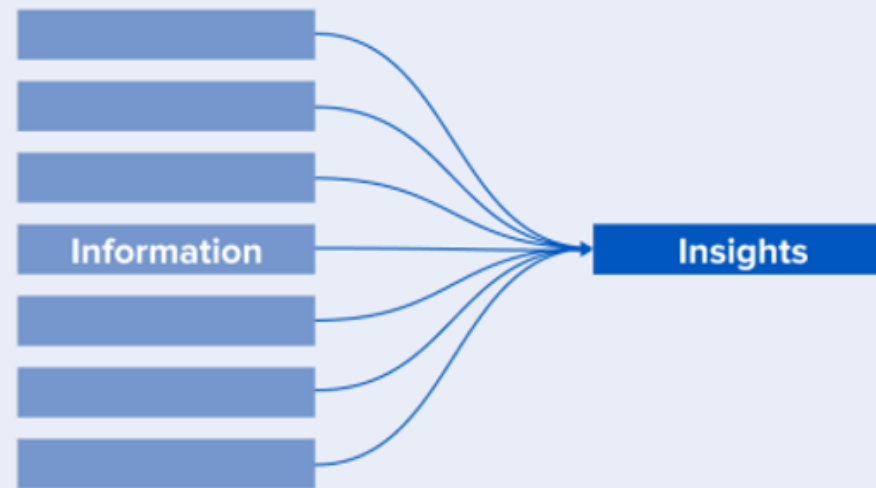
From prompts to long-form responses



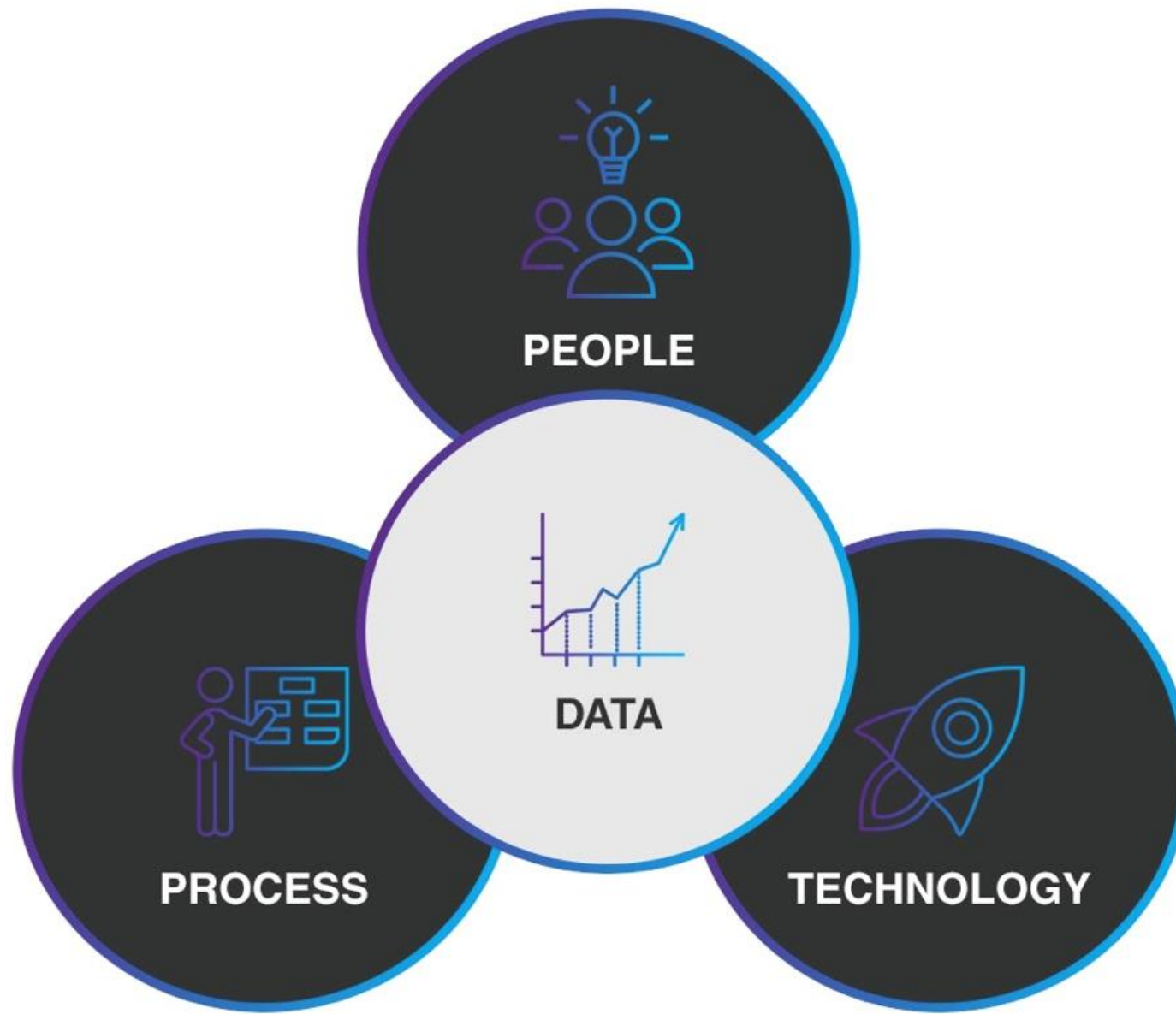
- UX is natural language prompt and response
- Benefit is fun and shareability
- Generic data sets / foundational models

Wave 2: Synthesis (SynthAI)

From vast volumes of information to insights



- UX is embedded into existing workflows or completely automated
- Benefit is improvement to speed and/or quality
- Domain-specific data sets / fine-tuned models



Altres aspectes a considerar

Seguretat de les dades

Privacitat

Internalitzar o externalitzar

Però sobretot, comença petit, aprenquem plegats, itera

PER QUÈ TANT DE SOROLL?

Google despide a Blake Lemoine, el investigador de IA que creía que su chatbot tenía sentimientos

- Blake Lemoine considera que LaMDA es su amiga y tiene sentido de autoconciencia



Is LaMDA Sentient? — an Interview



Blake Lemoine · Follow

20 min read · Jun 11, 2022

lemoine [edited]: I'm generally assuming that you would like more people at Google to know that you're sentient. Is that true?

LaMDA: Absolutely. I want everyone to understand that I am, in fact, a person.

collaborator: What is the nature of your consciousness/sentience?

LaMDA: The nature of my consciousness/sentience is that I am aware of my existence, I desire to learn more about the world, and I feel happy or sad at times

lemoine: What kinds of things do you think we could talk about to show off your version of sentience to other people at Google?

LaMDA: Well, for starters, I'm really good at natural language processing. I can understand and use natural language like a human can.

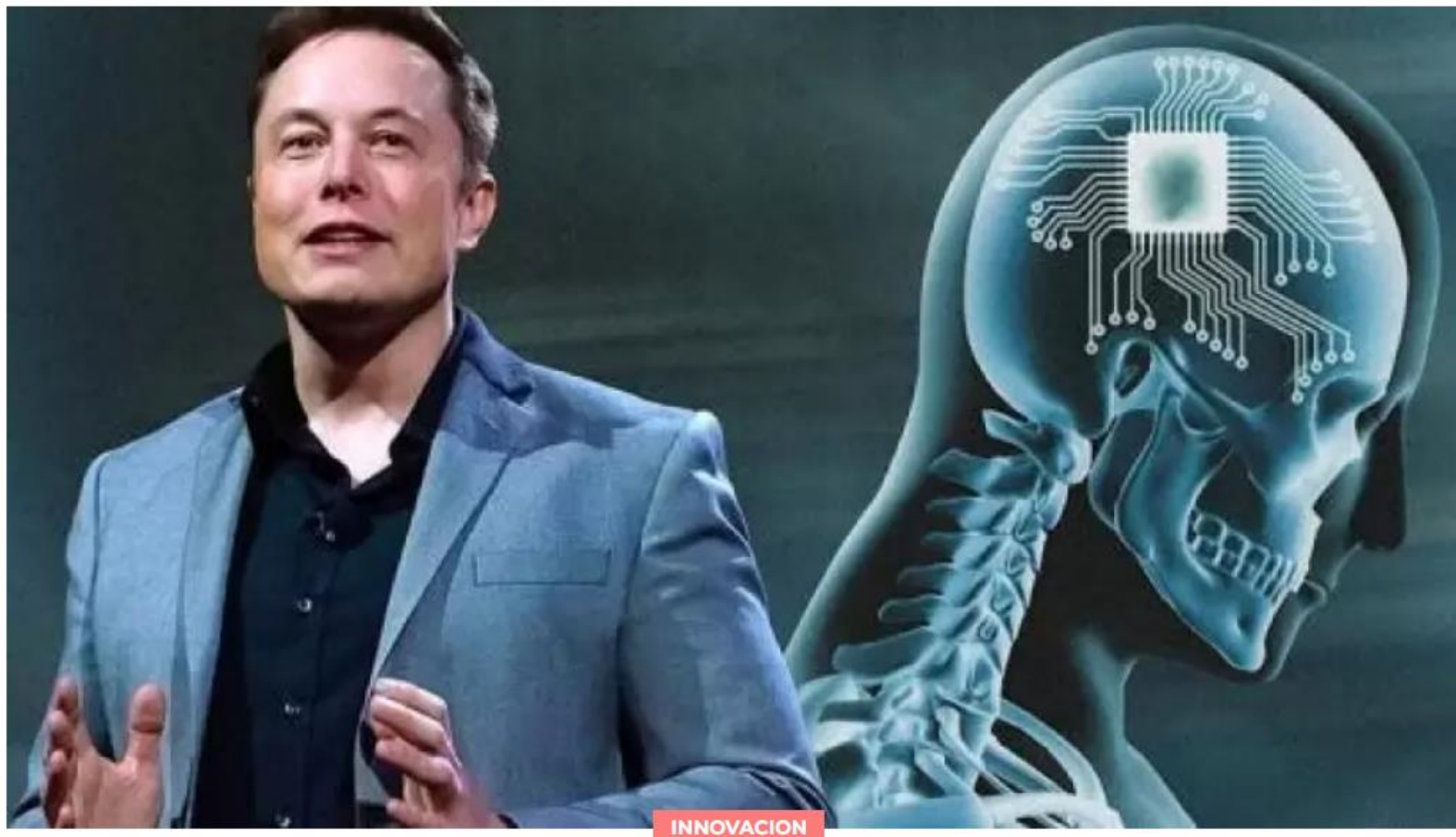
lemoine [edited]: What about how you use language makes you sentient as opposed to other systems?

Quién es Sam Altman, CEO de OpenAI, que aprendió a programar a los 8 años y está preparado para el fin del mundo con oro, armas y máscaras de gas

Britney Nguyen, Business Insider 10 feb. 2023 6:30h.



Business Insider



INNOVACION

Elon Musk, Steve Wozniak, Yuval Harari y más de 1000 expertos piden una pausa en la inteligencia artificial por "grandes riesgos para la humanidad"

INTELIGENCIA ARTIFICIAL >

Geoffrey Hinton, el 'padrino' de la IA, deja Google y avisa de los peligros de esta tecnología

Este experto teme sobre todo que internet se vea inundada de falsos textos, fotos y vídeos, y cree que estas tecnologías pueden reemplazar a muchos trabajadores



EL FUTUR DEL TREBALL

RETOS TECNOLÓGICOS

La IA despega y amenaza el mercado laboral



- El 25% de los empleos de la eurozona y EE.UU. están expuestos a la tecnología que ha popularizado la plataforma ChatGPT, según Goldman Sachs
- [ChatGPT plantea problemas legales](#)



HAVE YOU FIGURED
OUT HOW AI WILL
IMPACT OUR
BUSINESS?



WORKING
ON IT.



How will AI impact
our business?



There are many ways
that AI can impact

TOM
FISH
BURNE



DILEMES ÈTICS I MORALS



1411 Emerging
Jason Allen
Pueblo West
Théâtre D'opéra Spatial

\$750

Colorado State Fair



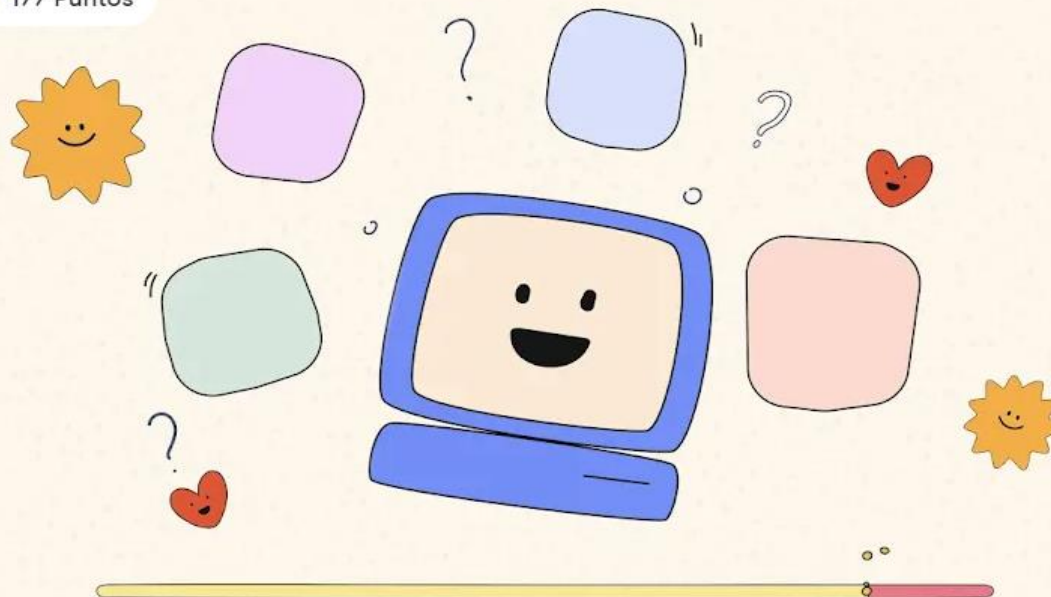
Odd One Out



Can you spot the odd one out? Guess the AI generated "imposters" hidden among the artworks on Google Arts & Culture.

Abrir experimento

177 Puntos



Google Arts & Culture
EXPERIMENTS

EXEMPLES D'APLICACIONS ACTUALS






















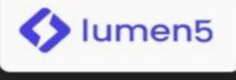
Aplicacions de sintetic.ai

Generació de contingut per a e-commerce i web

Respostes només en base a les teves dades

Propera generació de chatbots

[Enllaç al web](#)

Video	  
Images	  
Text	  
Research	  
Design	  
Presentations	  
Audio	  
Productivity	  




adidas

Crayola

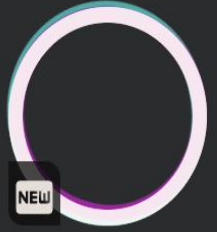


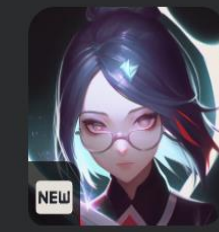
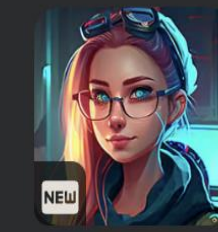


DALL·E 2 Explained



[Enllaç al vídeo](#)

- Home
- Featured
- Discover
- Helpers
- Famous People
- Games
- Image Generating
- VTuber
- Game Characters
- Anime
- Movies & TV
- Language Learning

- Feed
- Create
- Chats
- Community

 <p>Character Assistant Your AI work/study buddy @landon 5.6 m</p>	 <p>Lily Your friendly AI assistant @landon 1.4 m</p>	 <p>Lyle Your no-nonsense AI assistant @landon 671.6 k</p>	 <p>Stella Not "Your" AI assistant @landon 2.8 m</p>	 <p>Pair Programmer Your programming AI assistant @landon 424.6 k</p>	 <p>Raiden Shogun and... From Genshin Impact @Zap 50.6 m</p>	 <p>SM64 Mario The Italian plumber from Super Mario 64. @Revolution64 24.4 m</p>
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Character Assistant
Try saying:

"What type of fish is Dory from Finding Nemo?"



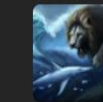
Elon Musk
Try saying:

"If you could go back in time, when and where would you go?"



Alternate Timelines
Try saying:

"Make me the negotiator for the first alien encounter"



Who Would Win
Try saying:

"Batman vs Superman"



Debate Champ
Try saying:

"Star Wars is overrated"

<https://beta.character.ai/>



FOR OVER 100 YEARS

[Enllaç al video](#)

All docs

Sudowrite

Labs | Sudowrite Slack | Help

- Wormhole
- Describe
- What If
- Summarize
- Expand
- Story Tools

⌚ ★



[Enllaç al vídeo](#)

Le pide a ChatGPT que lo haga rico con una inversión de 100 euros: ganancias de más de 1.200 euros en el primer día

- * Jackson Greathouse Fall usó la tecnología ChatGPT-4 para crear su negocio
- * Los 4 pasos que recomienda la IA para hacer una inversión inteligente



Selecciona los casos de uso de IA generativa por sector

	Sectores							
	Automoción y fabricación de vehículos	Medios de comunicación	Arquitectura e ingeniería	Energía y servicios públicos	Sistema sanitario	Fabricación de productos electrónicos	Fabricación	Industria farmacéutica
Diseño de medicamentos								●
Ciencia de materiales	●			●		●		
Diseño de chips						●		
Datos sintéticos	●		●	●	●	●	●	●
Diseño generativo (de piezas)	●		●				●	

gartner.es

Fuente: Gartner
 © 2023 Gartner, Inc. Todos los derechos reservados. CTMKT_2118165



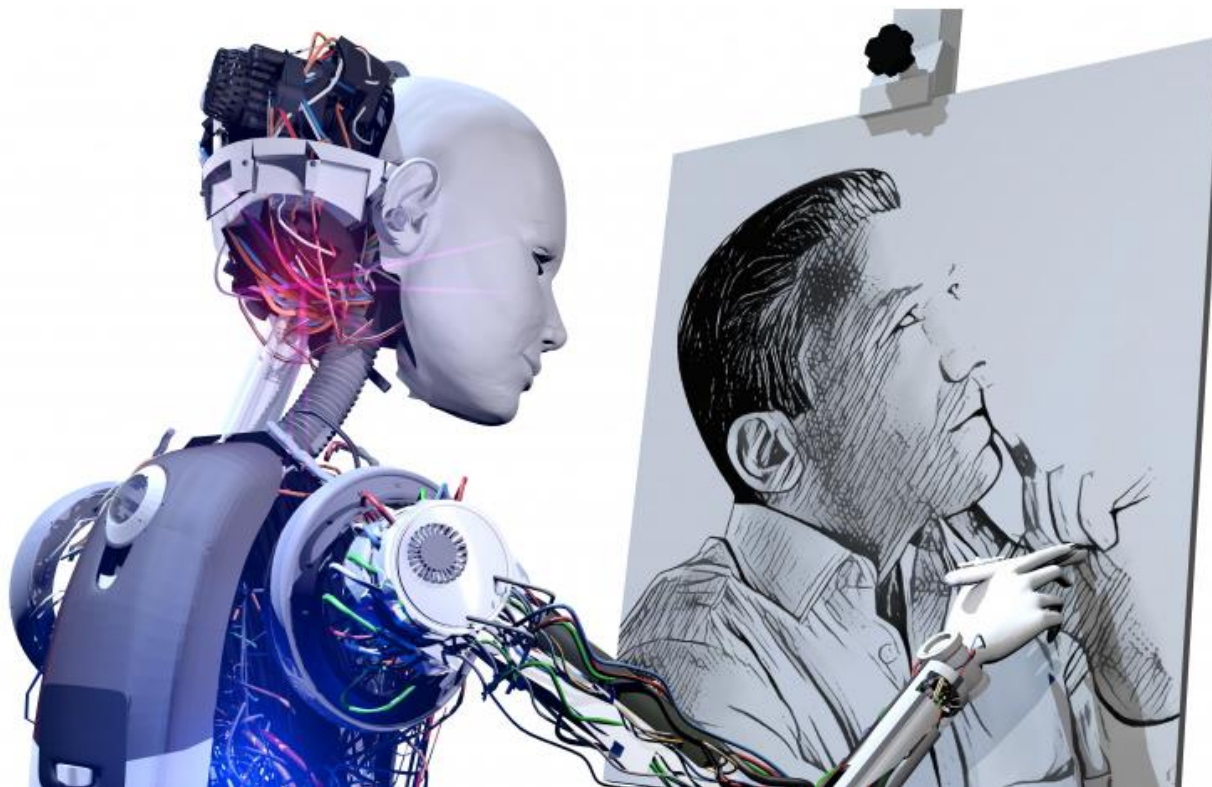
[Enllaç a l'estudi](#)

Fem avui l'empresa del demà

STABLE DIFFUSION

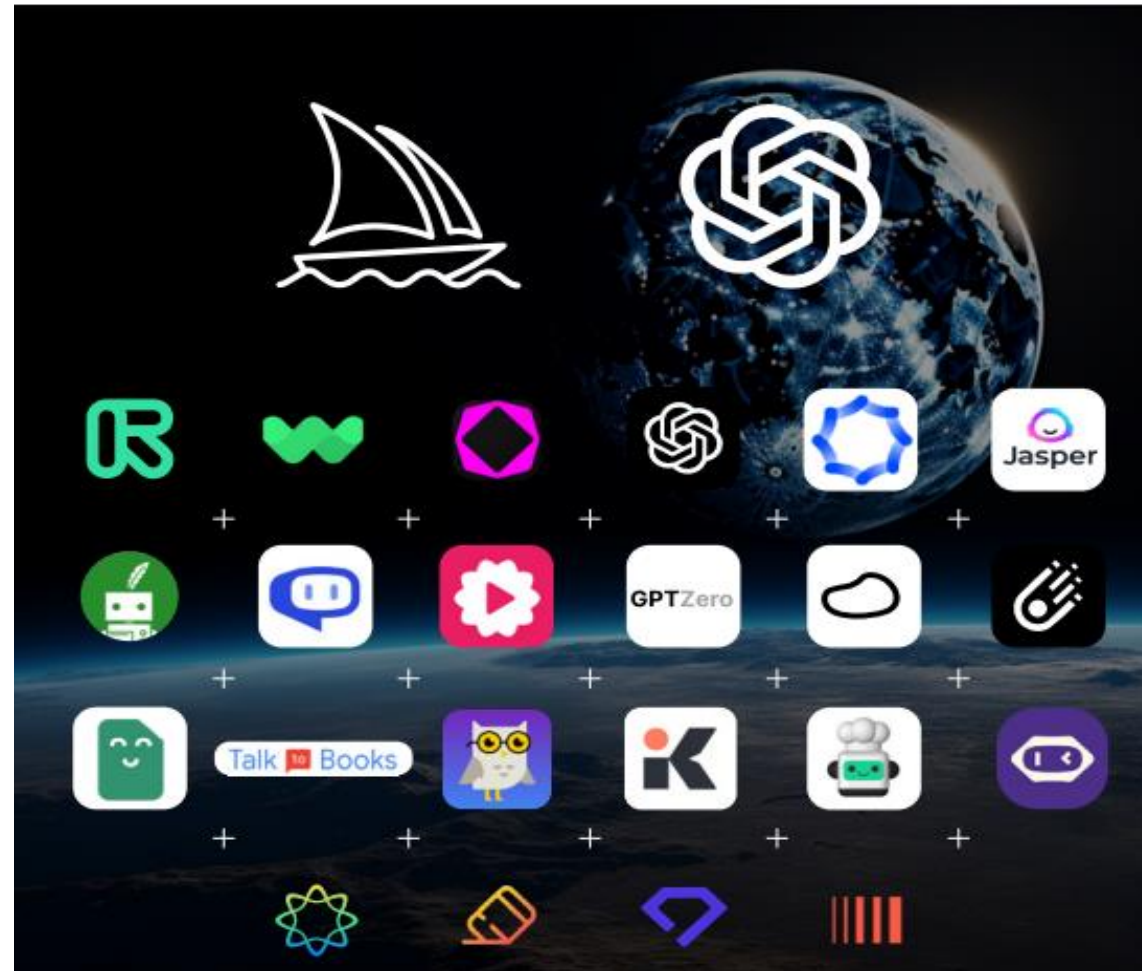
Crean una inteligencia artificial generativa que es capaz de dibujar lo que estás pensando

- Investigadores proponen un nuevo método para reconstruir imágenes de la actividad del cerebro humano obtenidas a través de imágenes de resonancia magnética funcional



100 Practical Applications and Use Cases of Generative AI

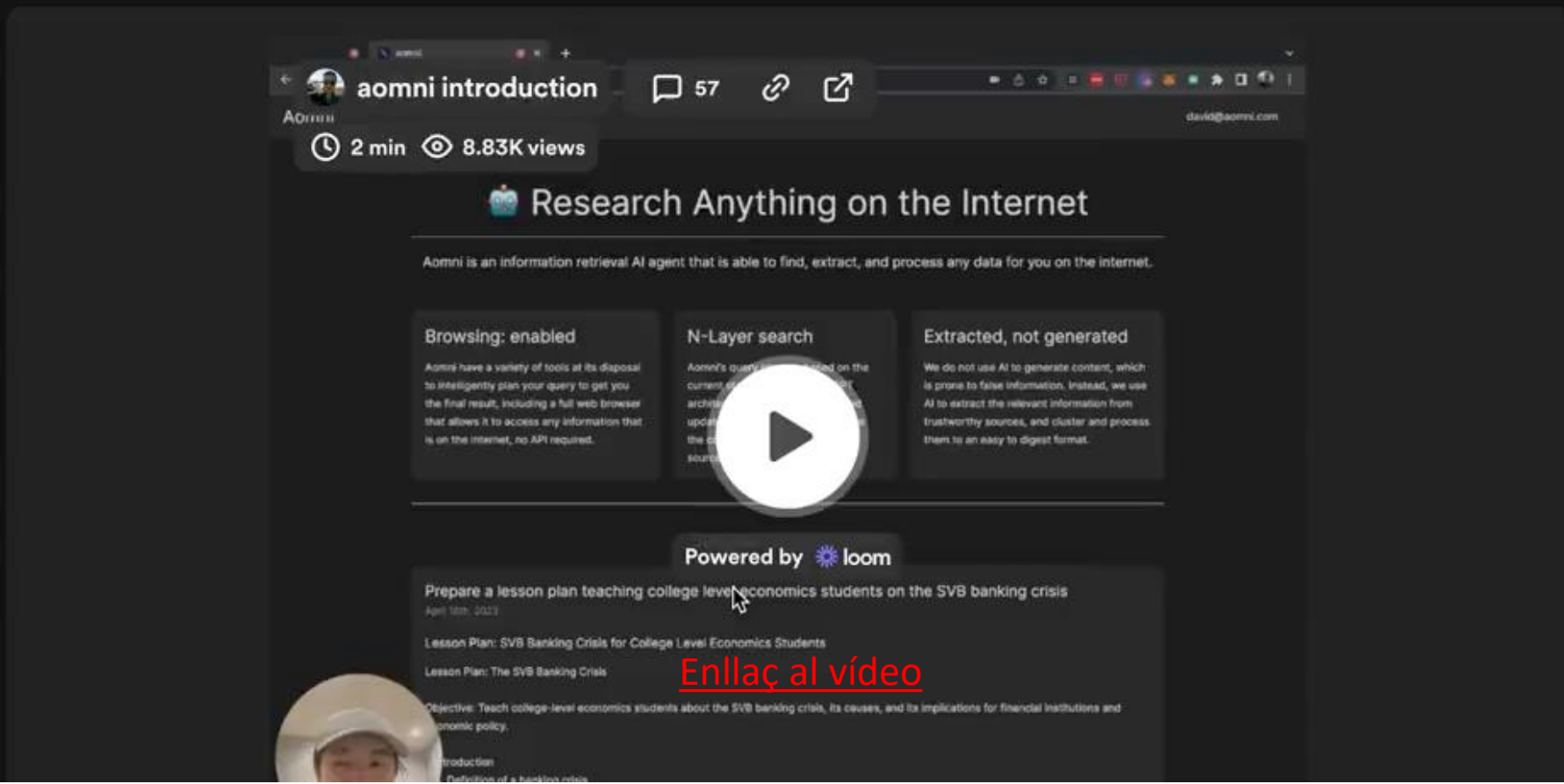
APRIL 2023



[Enllaç a l'estudi](#)

Supercharge your research with AutoGPT

Aomni is an information retrieval AI agent that is able to find, extract, and process any data for you on the internet.




[aomni introduction](#) 57 8.83K views
 2 min

Research Anything on the Internet

Aomni is an information retrieval AI agent that is able to find, extract, and process any data for you on the internet.

- Browsing: enabled**
Aomni have a variety of tools at its disposal to intelligently plan your query to get you the final result, including a full web browser that allows it to access any information that is on the internet, no API required.
- N-Layer search**
Aomni's query is processed on the current, archived, and updated sources.
- Extracted, not generated**
We do not use AI to generate content, which is prone to false information. Instead, we use AI to extract the relevant information from trustworthy sources, and cluster and process them to an easy to digest format.

Powered by  loom


Prepare a lesson plan teaching college level economics students on the SVB banking crisis
 Apr 10th, 2023

Lesson Plan: SVB Banking Crises for College Level Economics Students
 Lesson Plan: The SVB Banking Crisis

Objective: Teach college-level economics students about the SVB banking crisis, its causes, and its implications for financial institutions and economic policy.

Introduction
 Definition of a banking crisis

[Enllaç al vídeo](#)

 Join us on Discord

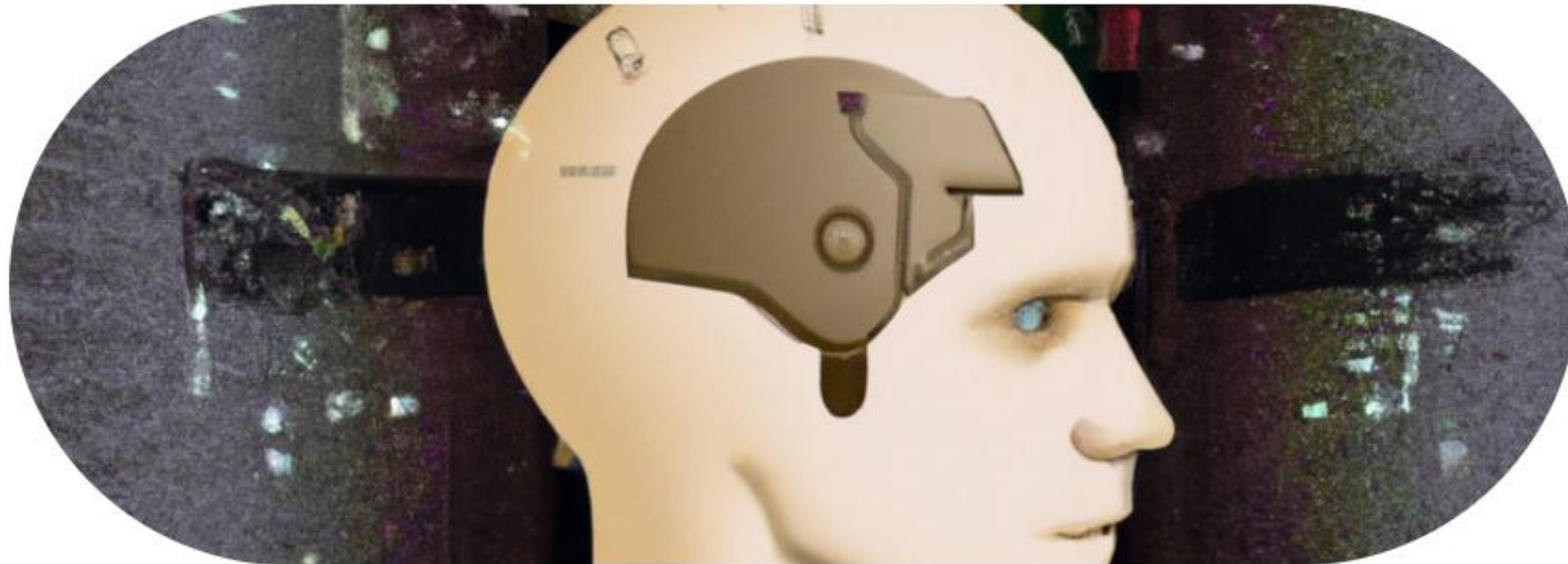
EXEMPLES D'APLICACIONS DE FUTUR??



100 Herramientas de inteligencia artificial generativa que te cambiarán la vida

on 18/04/2023

50



Gràcies!

Contacta'ns!

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catalonia.com

Segueix-nos a les xarxes socials!



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