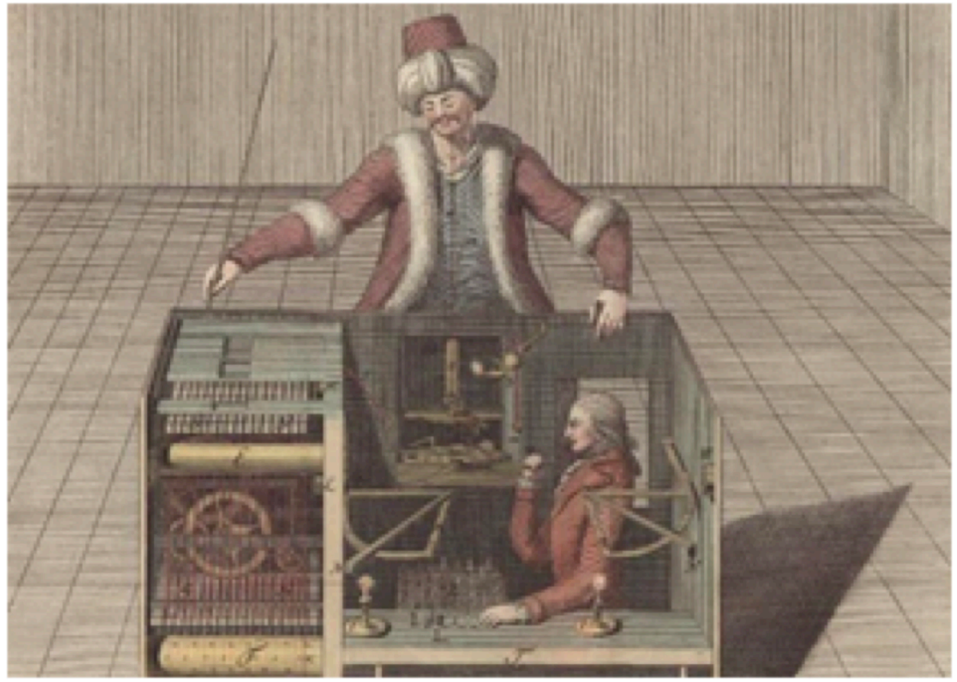
ChatGPT- Oportunidad y Reto Para la docencia
2. Puntos sobre las IAs

Marc Alier - https://wasabi.essi.upc.edu/ludo

Versión 2 - Mayo 2023

PHONETIC KEMP INC.
UKIYO CAMERA SYSTEMS



IN THIS BUILDING DURING THE SUMMER OF 1956

JOHN McCARTHY (DARTMOUTH COLLEGE), MARVIN L. MINSKY (MIT)
NATHANIEL ROCHESTER (IBM), AND CLAUDE SHANNON (BELL LABORATORIES)
CONDUCTED

THE DARTMOUTH SUMMER RESEARCH PROJECT ON ARTIFICIAL INTELLIGENCE

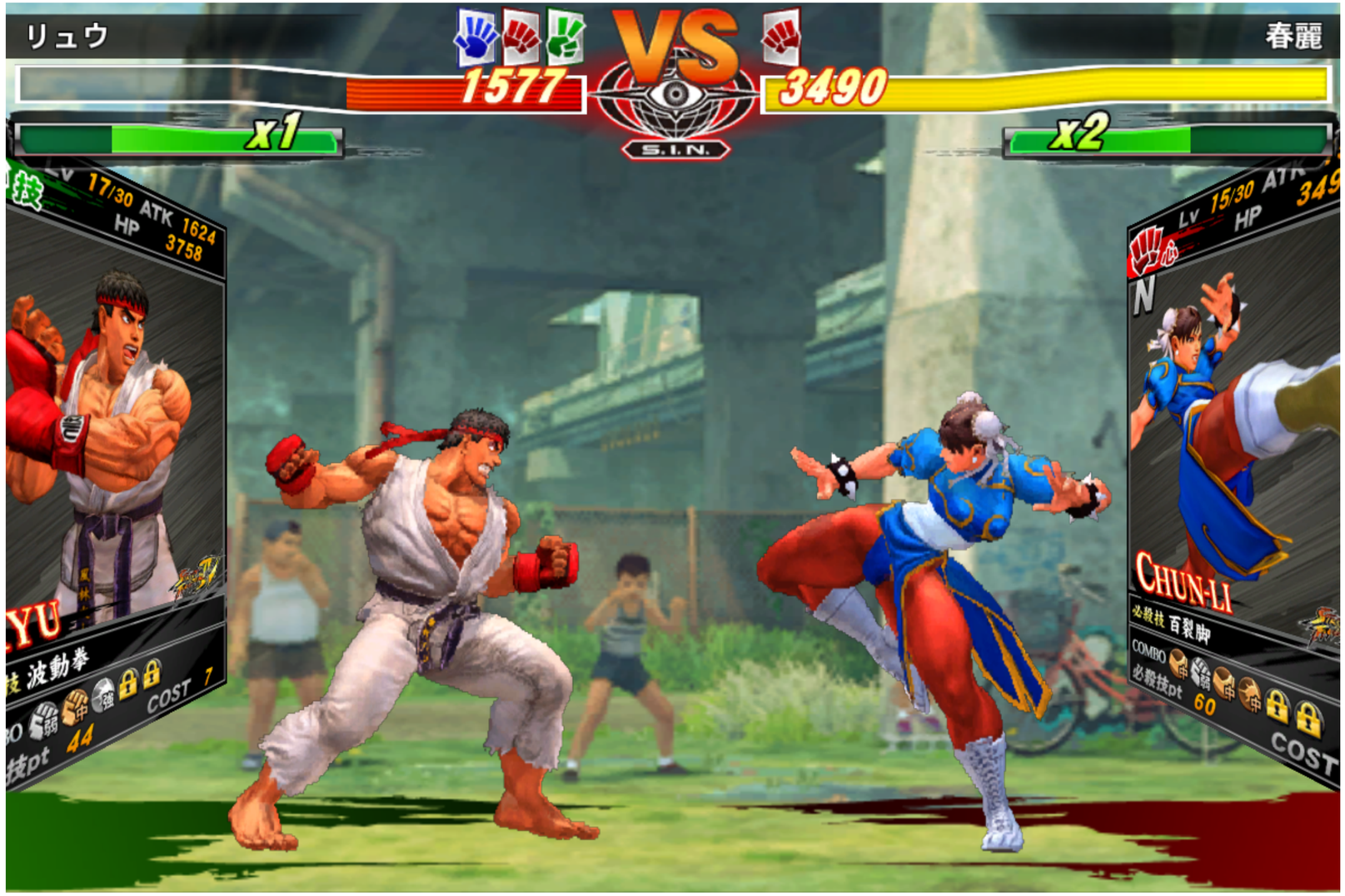
FIRST USE OF THE TERM "ARTIFICIAL INTELLIGENCE"

FOUNDING OF ARTIFICIAL INTELLIGENCE AS A RESEARCH DISCIPLINE

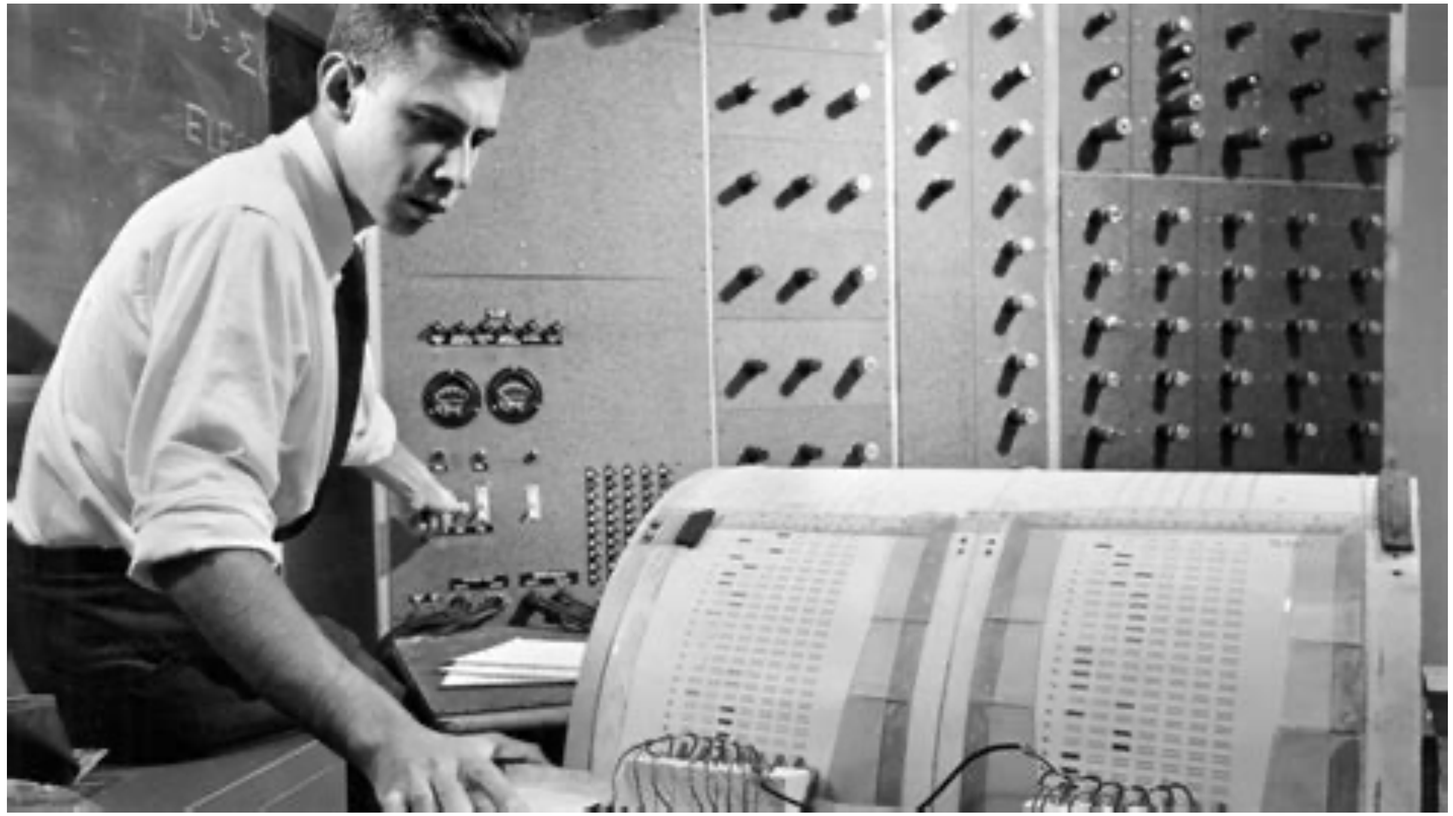
"To proceed on the basis of the conjecture
that every aspect of learning or any other feature of intelligence
can in principle be so precisely described that a machine can be made to simulate it."

IN COMMEMORATION OF THE PROJECT'S 50th ANNIVERSARY
JULY 13, 2006

Simbólicos vs sub-simbólicos



Inspiración en el cerebro

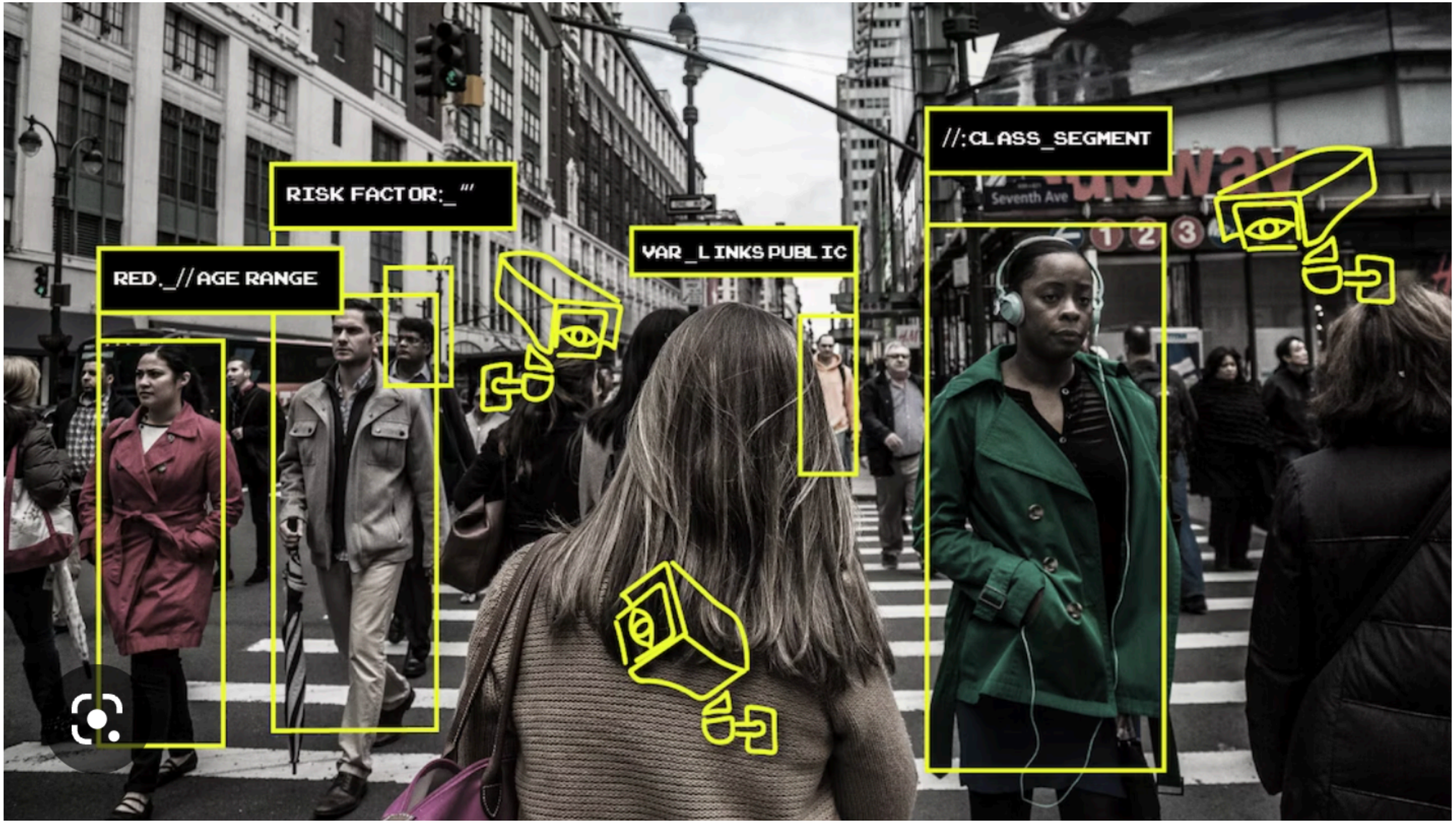


Rosenblatt - 1958

1997

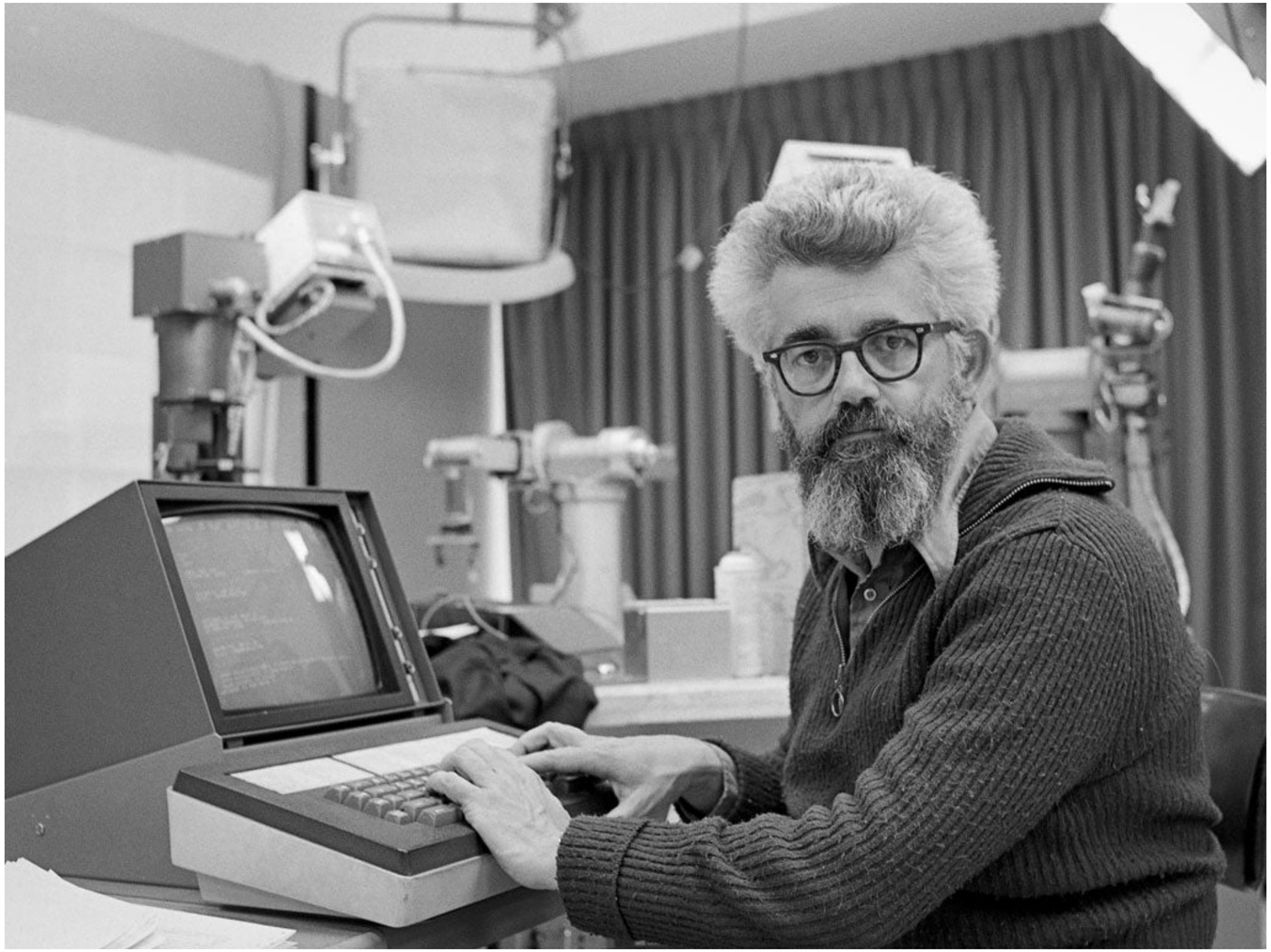
THINK
$24,000
Who is Stoker?
$1,000
$77,147
Who is Brian Stoker?
$ 17,973
$21,600
$560

@teenybiscuit


RISK FACTOR:_"
RED._//AGE RANGE
VAR_LINKS PUBLIC
//:CLASS_SEGMENT
Seventh Ave

“As soon as it works no one calls it AI anymore”

John McCarty



Transformers (Google 2017)

Imagen generada por Stable Difusion 1.5

DALL-E

Stable Diffussion

Prompt: "Elven Lady Galadriel playing fender stratocaster on a beach sunset"

MIDJOURNEY V5

Venga, un par más

HALLUCINATIONS

LLMS

Google AI 'is sentient,' software engineer claims before being suspended

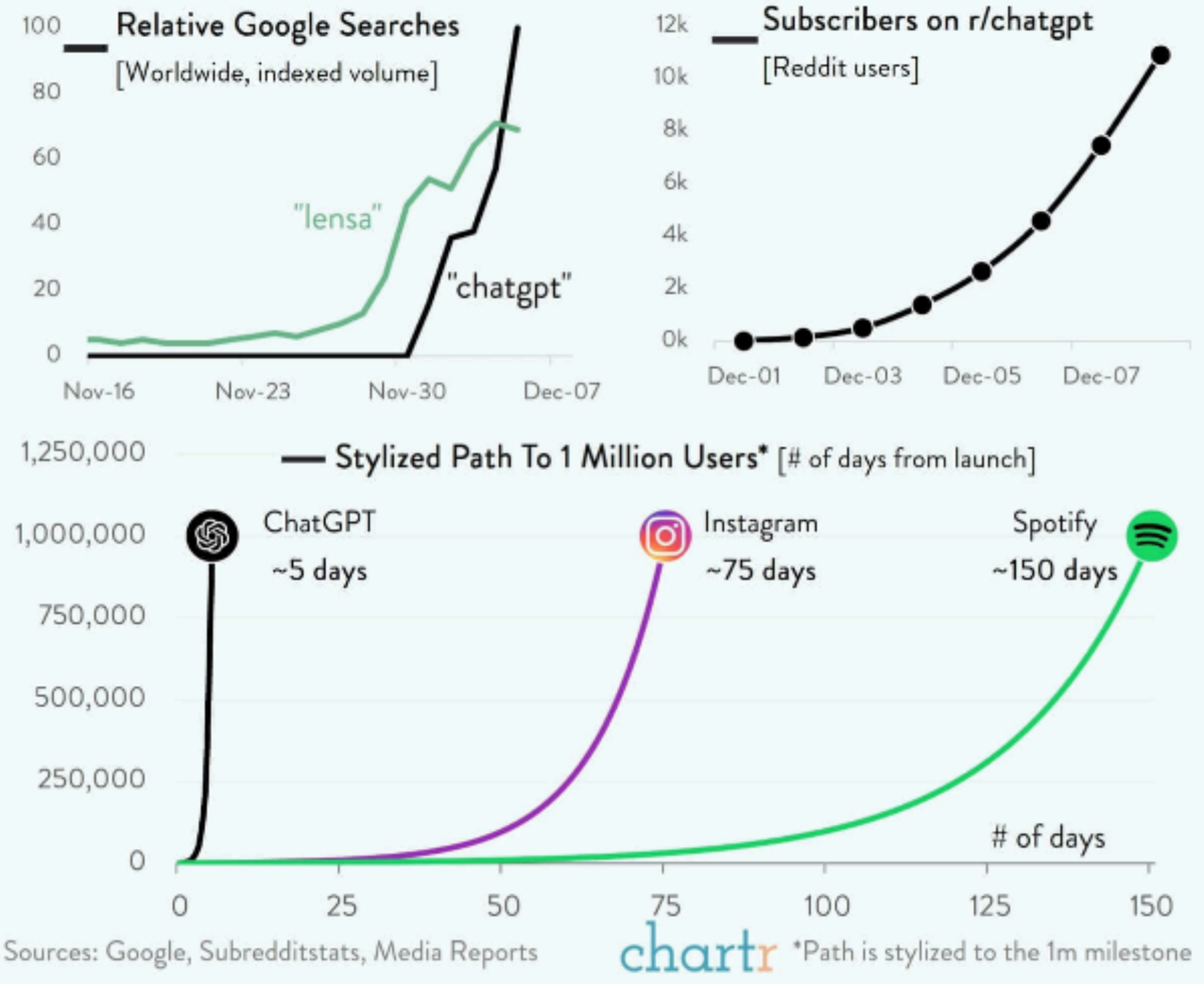
By Brandon Specktor published June 13, 2022

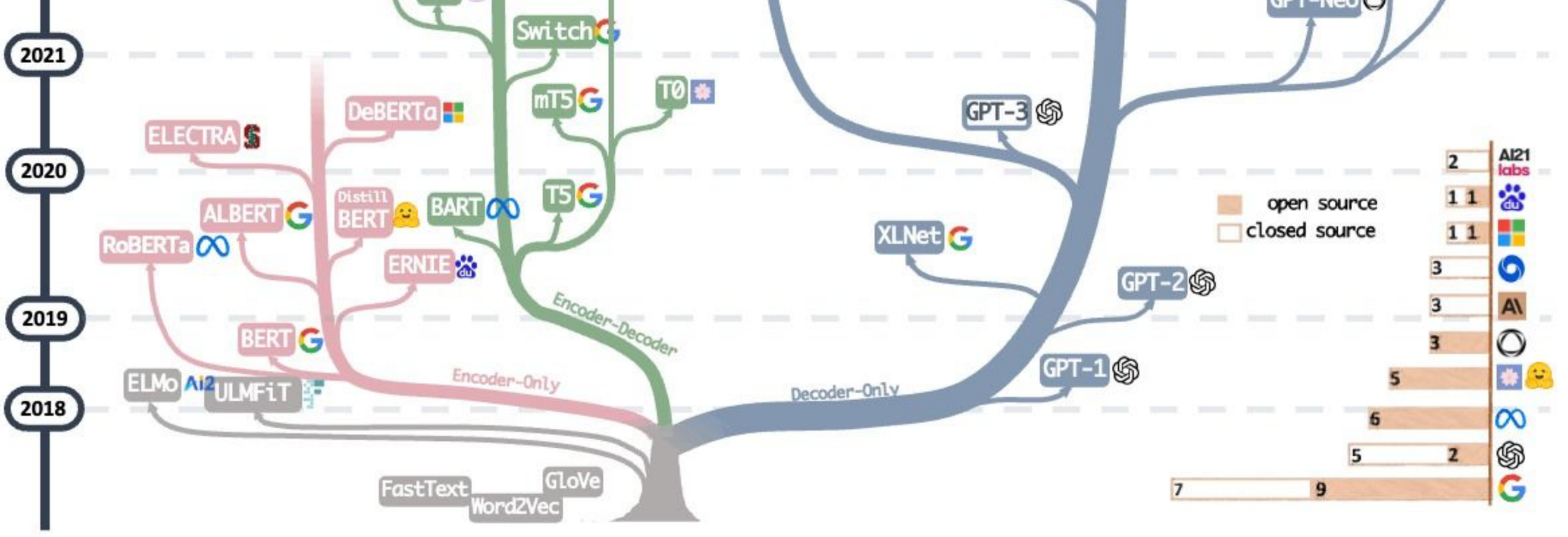
Google's LaMDA AI system says it has consciousness. Should engineers believe it?

"I want everyone to understand that I am, in fact, a person." (Image credit: Getty)

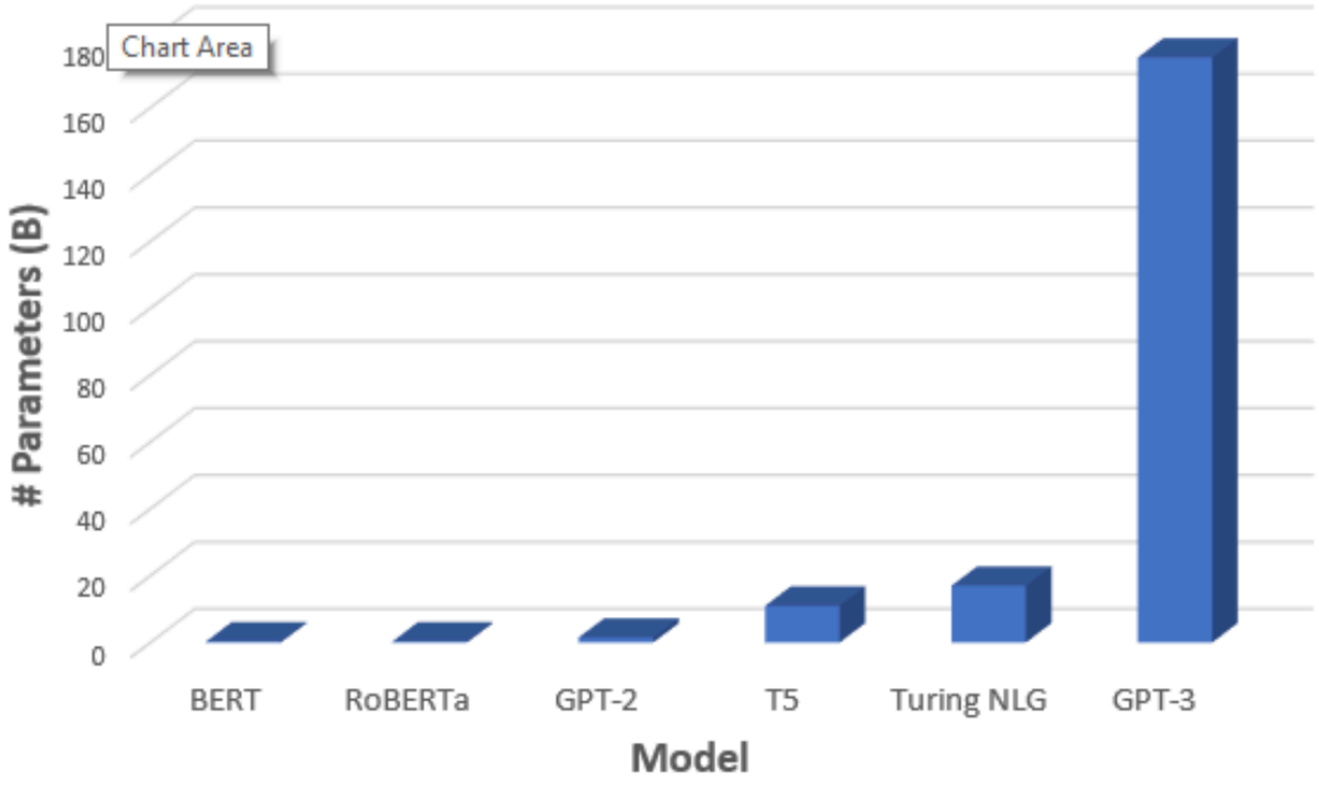
https://www.livescience.com/google-sentient-ai-lamda-lemoine

ChatGPT From OpenAI Is A Bot Taking The Tech World By Storm

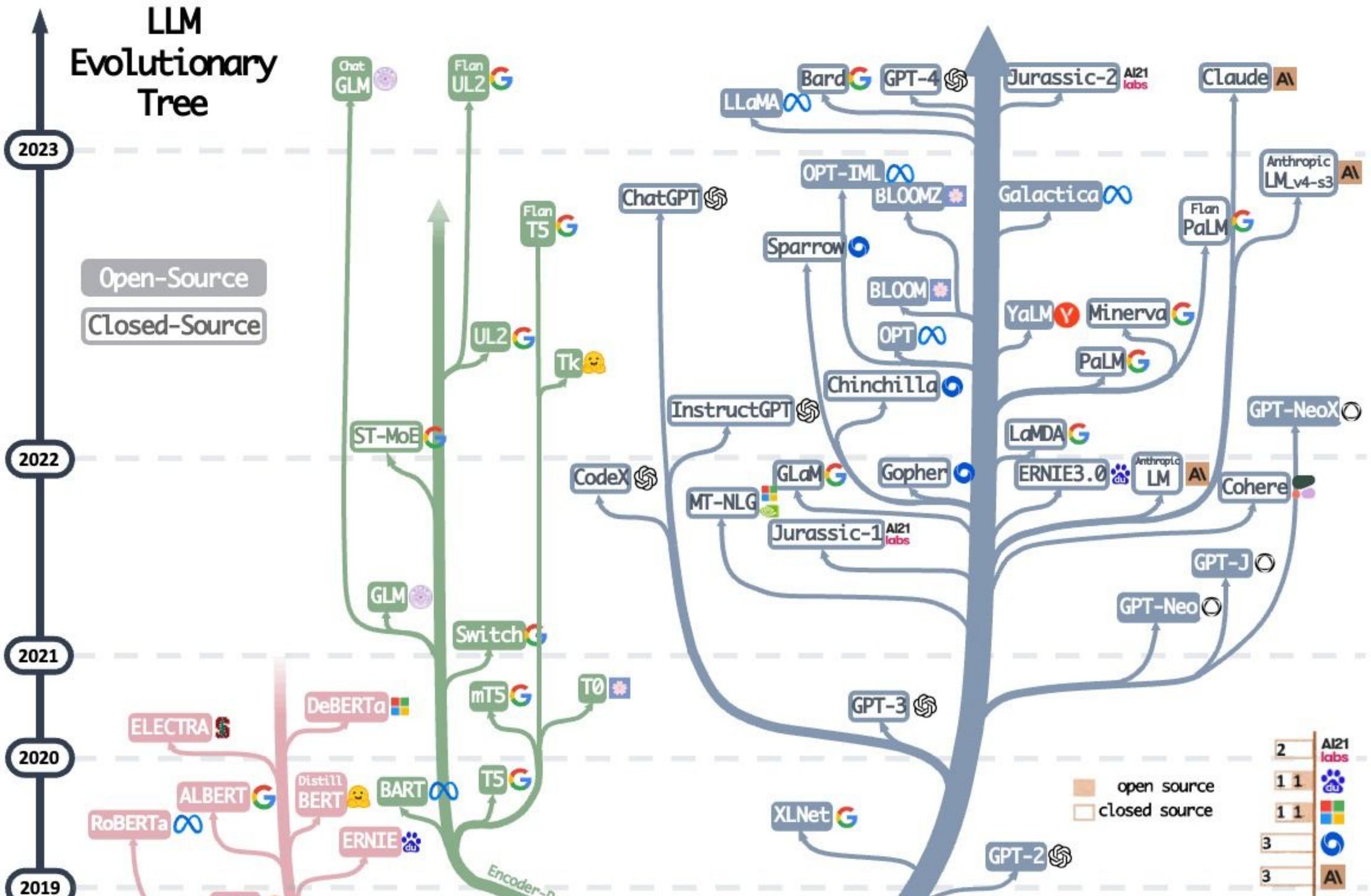



2021
2020
2019
2018
Switch
mT5
T0
DeBERTa
ELECTRA
ALBERT
Distill BERT
BART
T5
RoBERTa
ERNIE
BERT
ELMo
ULMFiT
FastText
GloVe
Word2Vec
Encoder-Only
Encoder-Decoder
Decoder-Only
GPT-3
XLNet
GPT-2
GPT-1
open source
closed source
AI21 labs
2
1 1
1 1
3
3
3
5
6
5 2
7 9

GPT-3 (2021)



(Font imatge: https://blog.accubits.com/getting-started-with-gpt-3-model-by-openai/)


LLM Evolutionary Tree
2023
2022
2021
2020
2019
Open-Source
Closed-Source
Chat GLM
Flan UL2
Bard
GPT-4
Jurassic-2
Claude
LLaMA
OPT-IML
BLOOMZ
Galactica
Anthropic LM_v4-s3
ChatGPT
Flan T5
Sparrow
Flan PaLM
BLOOM
YaLM
Minerva
OPT
UL2
Tk
PaLM
Chinchilla
InstructGPT
GPT-NeoX
ST-MoE
LaMDA
CodeX
GLaM
Gopher
ERNIE3.0
Anthropic LM
Cohere
MT-NLG
Jurassic-1
GPT-J
GLM
GPT-Neo
Switch
T0
mT5
DeBERTa
GPT-3
ELECTRA
ALBERT
Distill BERT
BART
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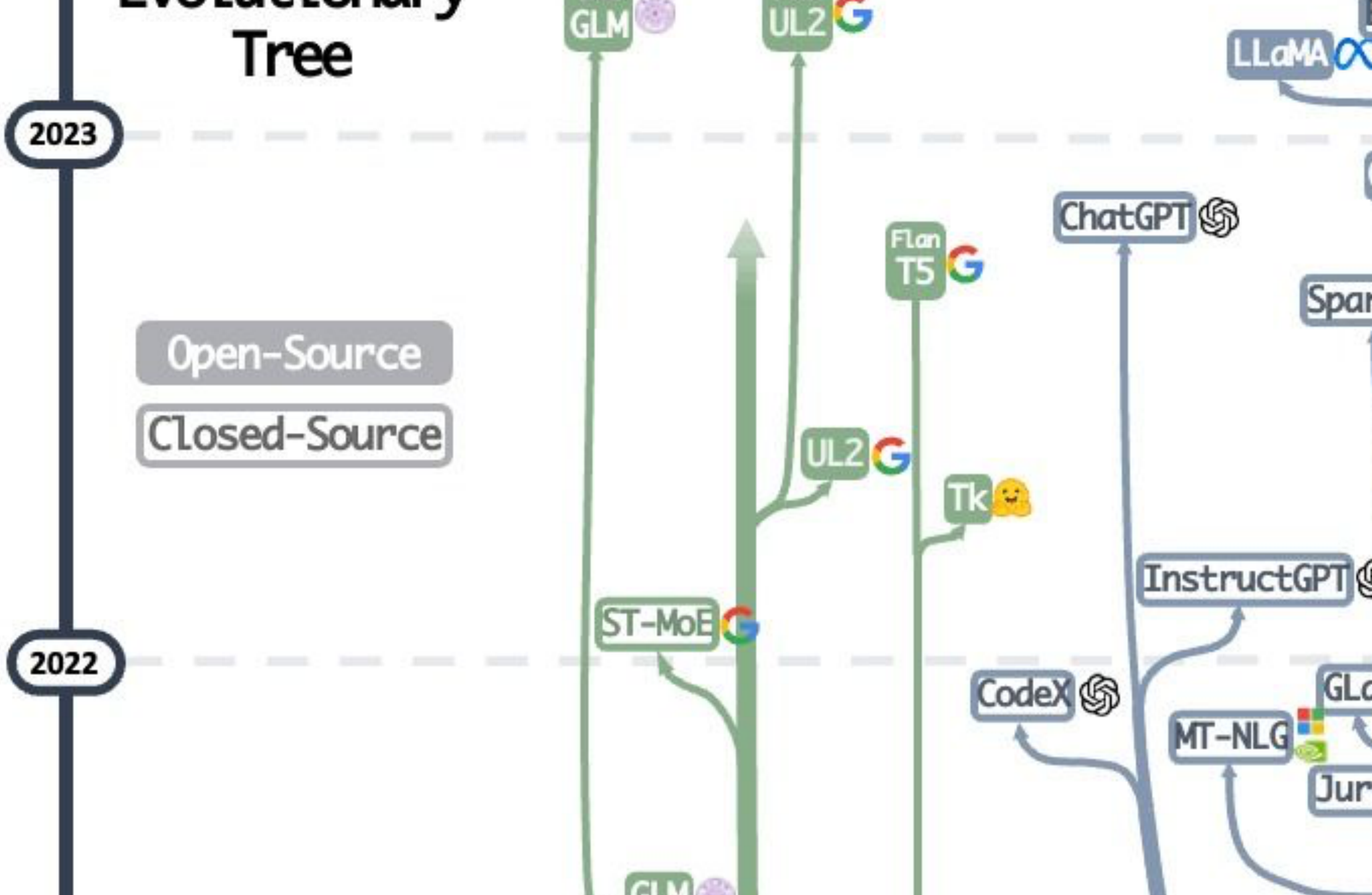
Encoder-D
open source
closed source
AI21 labs


Evolutionary Tree
2023
2022
Open-Source
Closed-Source
GLM
UL2
LLaMA
ChatGPT
Flan T5
Spar
UL2
Tk
InstructGPT
ST-MoE
CodeX
MT-NLG
GLa
Jur
GLM

OpenAI

DeepLearning.AI

Two Types of large language models (LLMs)

Base LLM

Predicts next word, based on text training data

Once upon a time, there was a unicorn
that lived in a magical forest with
all her unicorn friends

What is the capital of France?
What is France's largest city?
What is France's population?
What is the currency of France?

Instruction Tuned LLM

Tries to follow instructions

Fine-tune on instructions and
good attempts at following those instructions.

RLHF: Reinforcement Learning with
Human Feedback

Helpful, Honest, Harmless

What is the capital of France?
The capital of France is Paris.

Stanford Alpaca

RUN A CHATGPT-LIKE LLM ON YOUR COMPUTER LOCALLY

https://www.semianalysis.com/p/google-we-have-no-moat-and-neither

Google "We Have No Moat, And Neither Does OpenAI"

Leaked Internal Google Document Claims Open Source AI Will Outcompete Google and OpenAI

DYLAN PATEL AND AFZAL AHMAD

MAY 4, 2023 • PAID

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