

Artificial Intelligence

Is it as scary as movies predict?

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■ Agenda

- What is Artificial Intelligence
- Exploring Generative AI
- AI impact in Healthcare
- AI in other fields
- The Hollywood Influence
 - Realistic AI TV Shows and Series
- Q & A the tough stuff morals and ethics

1 What is Artificial Intelligence (AI)?

wikipedia

Intelligence:

- perceiving
- synthesizing and
- inferring information

demonstrated by machines

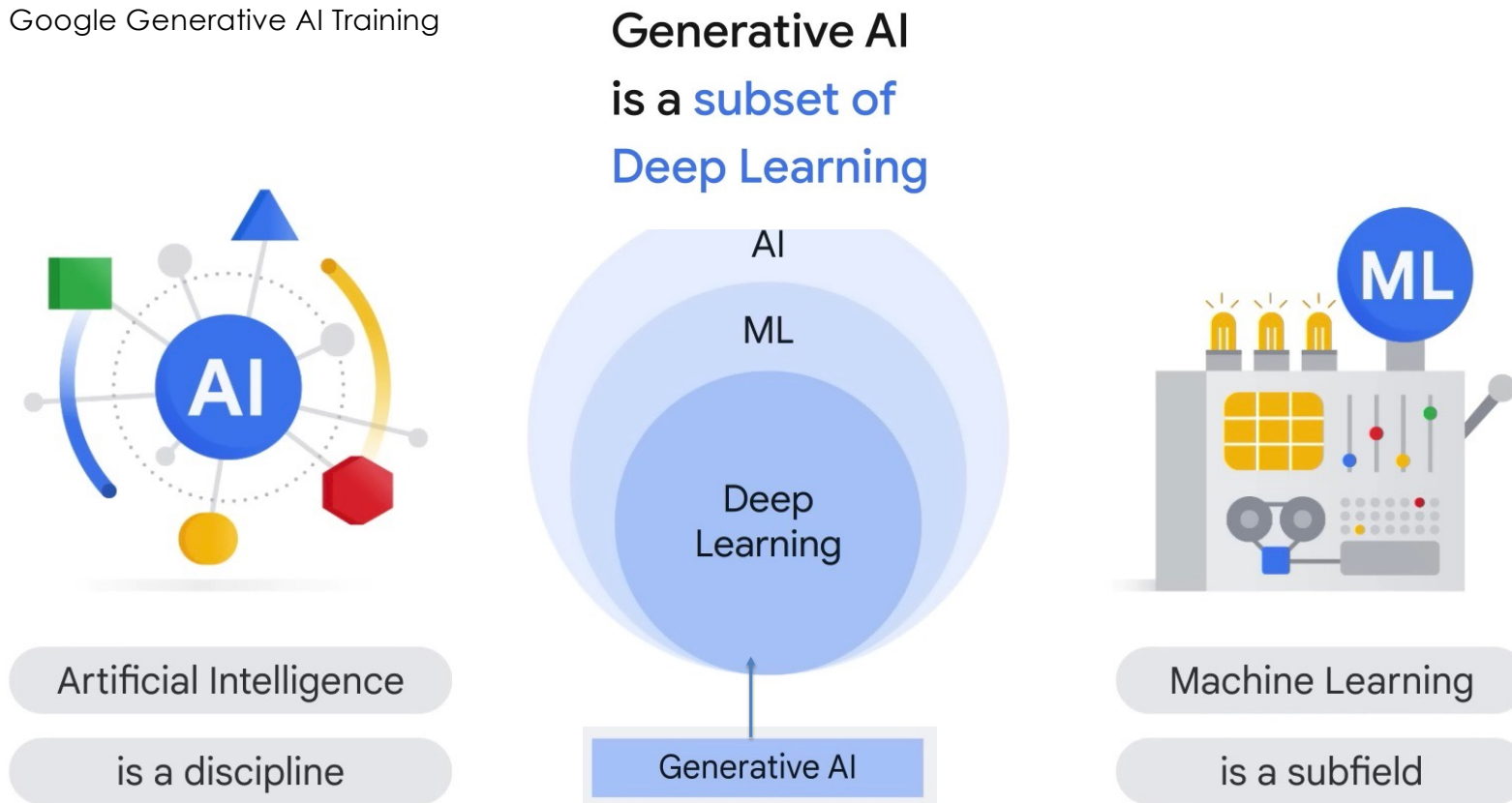
as opposed to intelligence displayed
by humans or by other animals.

What about:

Machine Learning (ML)
Deep Learning
Generative AI

1 What is Artificial Intelligence (AI)?

Source: Google Generative AI Training



Machine Learning

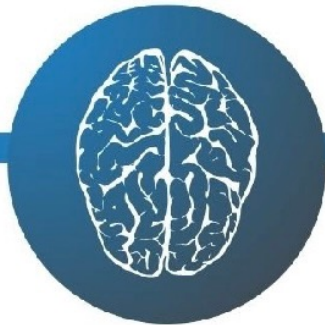


Narrow Artificial Intelligence (ANI)

Stage One: Machines imitate human behavior, specializing in one area to solve a problem.

i.e. Siri, ChatGPT, Alexa

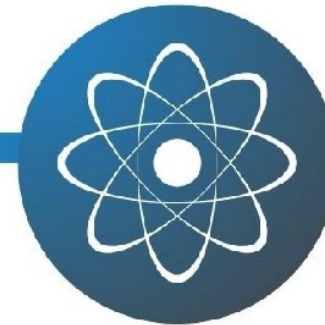
Machine Intelligence



Artificial General Intelligence (AGI)

Stage Two: Machines can continuously learn and are as smart as humans.

Machine Consciousness



Artificial Super Intelligence (ASI)

Stage Three: Machines that are smarter than humans across the board.

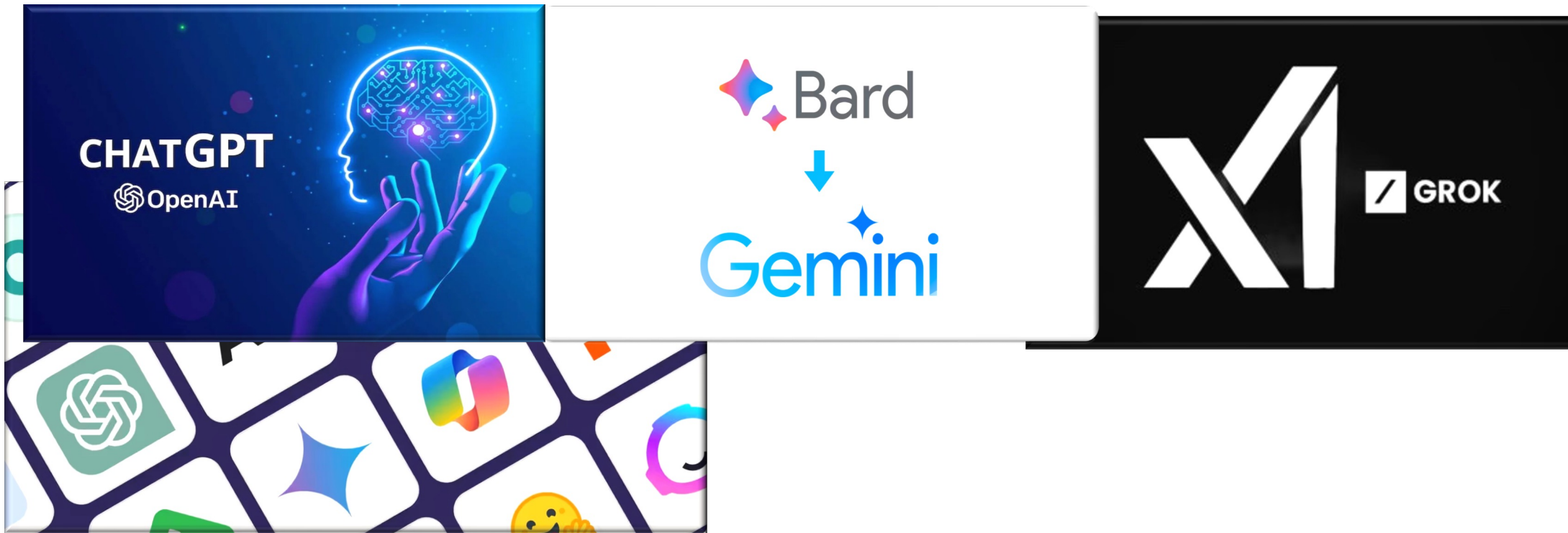
1 What is Artificial Intelligence (AI)?

Creates **new content** based on what it **has learned** from existing content.

Meaning: **Trains** on existing content, creates a model and **predicts** what is an expected response and **creates** that content.

2 What is the Turing Test?

- Is it possible for AI to MATCH human intelligence?



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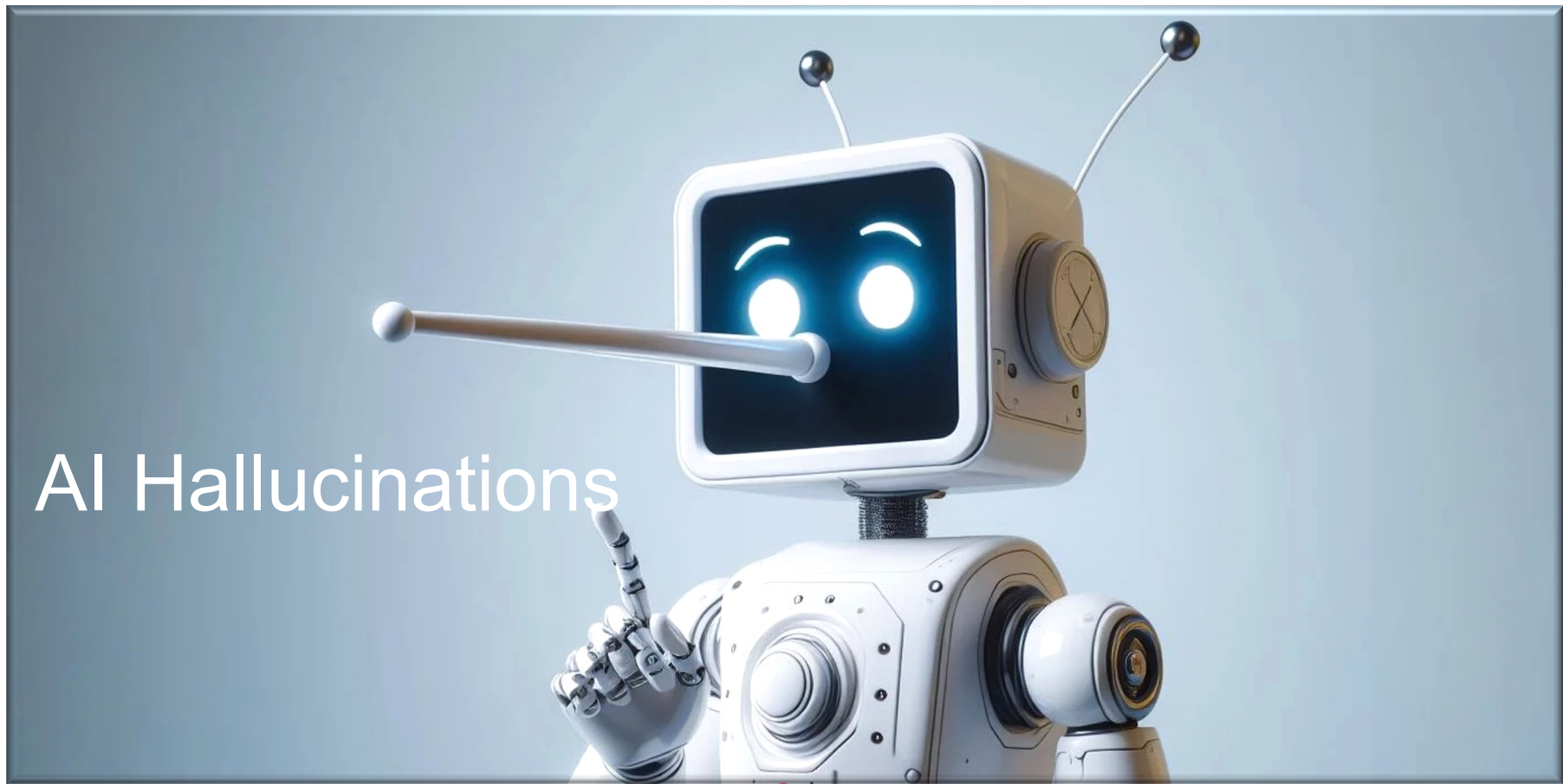
ChatGPT is actually getting dumber according to Stanford researchers

Joel Loynds | Published: Jul 19, 2023 at 22:00 | Updated: Jul 19, 2023 at 22:01

■ Nov 30 2022



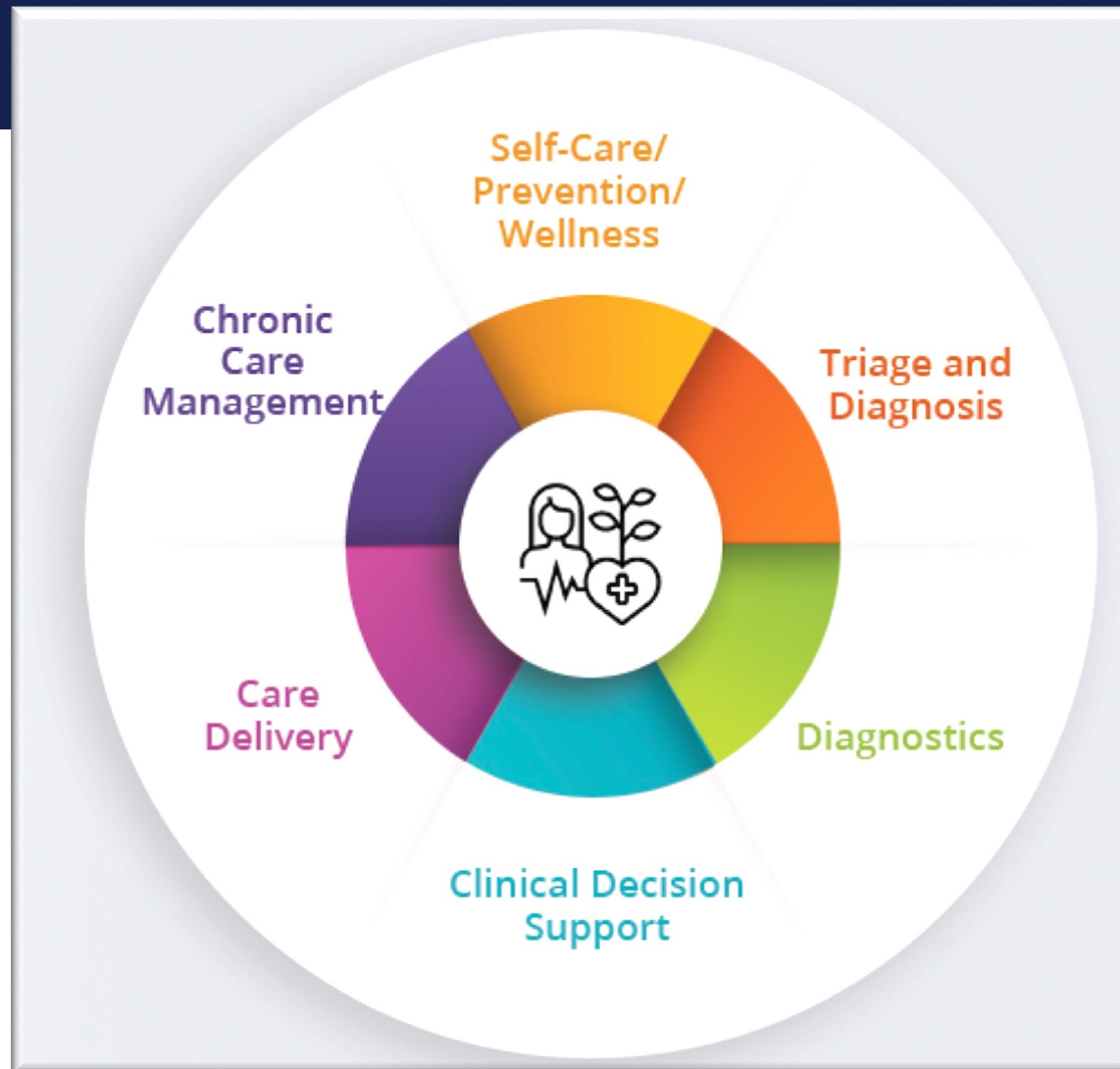
ChatGPT users have claimed that GPT-4 is actually getting worse as time goes on, which Stanford researchers have now confirmed.



AI Hallucinations

AI hallucinations are AI-generated outputs that are **factually incorrect**, nonsensical, or inconsistent, due to **bad training data** or misidentified patterns

AI impact in Healthcare



AI impact in Healthcare

AI model revolutionizes dementia diagnosis with high accuracy across multiple data sources

HEALTH

ticky Video

1st signs of Alzheimer's may be detected in your eyes. This AI scan may help find it

Article • Technology & AI

NVIDIA's AI Insights for Diabetes Prevention with GluFormer

By Helen Sydney Adams

SHARE

November 19, 2024 • 5 mins



AI model can predict health risks, including early death, from ECGs

24 Oct 2024



3 How Hollywood portrays AI

1920's – 1960's: FEAR

- The Mechanical Man (1921)
- Metropolis (1927)
- Undersea Kingdom(1936)
- The Mechanical Monsters (1941)
- Gog (1954)
- Kronos (1957)
- 2001: A Space Odyssey (1968)

3 How Hollywood portrays AI

1970's – 1990's: LOVE

- Star Wars (1977)
- Blade Runner (1982)
- D.A.R.Y.L (1985)
- Short Circuit (1986)
- RoboCop (1987)
- Lost in Space (1998)
- Bicentennial Man (1999)

The Terminator (1984)

The Matrix (1999)

3 How Hollywood portrays AI

Post 2000: Conflicting Views-CONFUSION

- Minority Report (2002)
- i-Robot (2004)
- Hitchhikers Guide to the Galaxy (2005)
- WALL.E (2008)
- Total Recall (2012)
- Interstellar (2014)
- Ex Machina (2015)

3 How Hollywood portrays AI

Ethics, Morals

- Robots are Good
 - Robots are Evil
- Rarely Realistic

- Robots 'live' in a Grey Moral Zone

4 Realistic AI TV Shows and Series

Person Of Interest

Black Mirror

1st episode Second series "Be Right Back"

Maybe one day soon we will see non dystopian movies

The end of 'work' does not mean the end of meaning

Top Tips

- **Stop** watching and reading the tech hate, confused and dystopian sci fi
- **Inform** yourself - many free or economical internet AI courses
- Apply **critical thinking**