

Data Science Buzzwords

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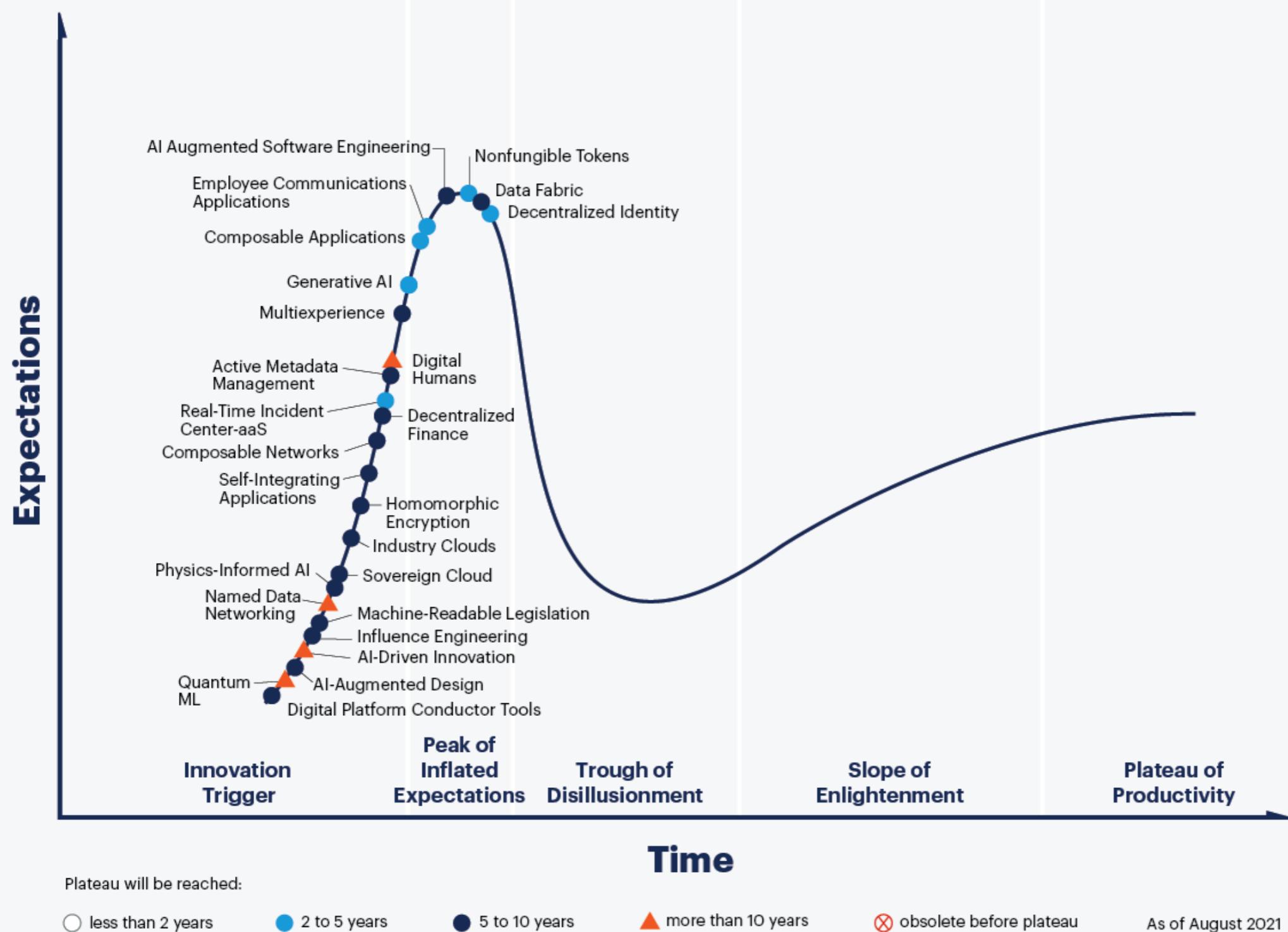
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Hype Cycle for Emerging Technologies, 2021

Debatable!

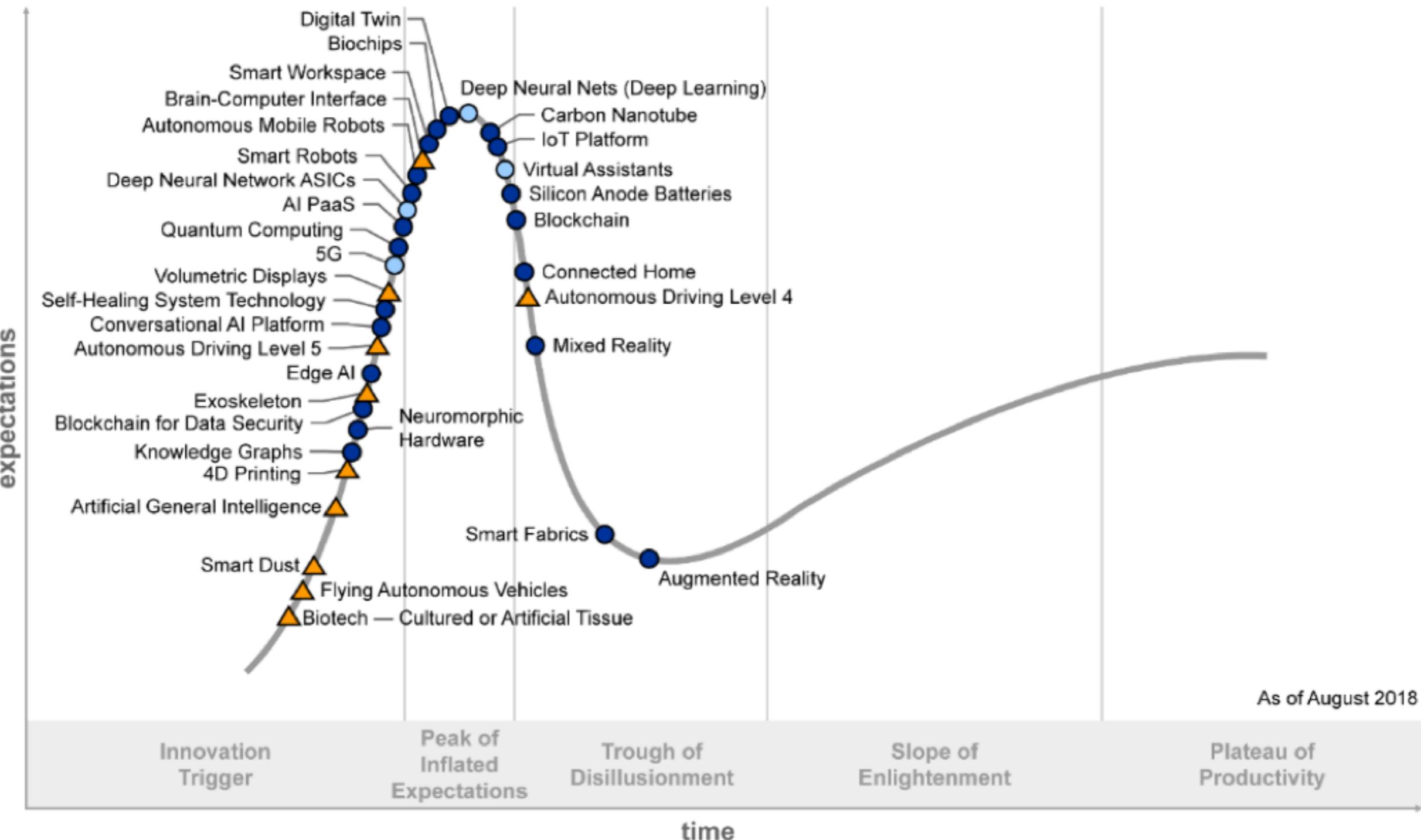


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Gartner Hype Cycle for Emerging Technologies 2018



Plateau will be reached:

- less than 2 years 2 to 5 years 5 to 10 years more than 10 years obsolete before plateau

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Polo's Motto

Keep learning new things and be
cautiously optimistic!

“Artificial Intelligence”

Self-Driving Taxis Hit the Streets of Singapore

by Kirsten Korosec

@kirstenkorosec

AUGUST 25, 2016, 4:09 AM EDT



Google AI beats Go world champion again to complete historic 4-1 series victory

Posted Mar 15, 2016 by Jon Russell (@jonrussell)



Next Story



The battle between Google’s artificial intelligence and Go world champion Lee Sedol concluded today after the former (AlphaGo) triumphed to win the five-game series 4-1.

Retrieved from: <http://www.theaustralian.com.au/business/wall-street-journal/selfdriving-taxis-hit-the-road-in-singapore/news-story/73116ddc2e7c043578cb7b87d8264f5b>

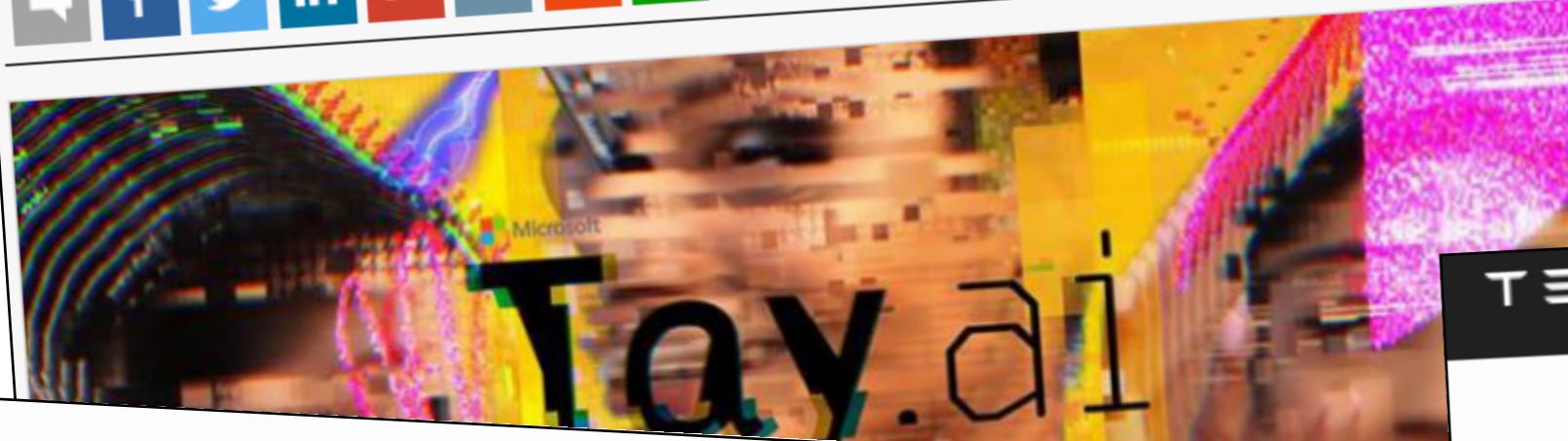
Retrieved from: <https://techcrunch.com/2016/03/15/google-ai-beats-go-world-champion-again-to-complete-historic-4-1-series-victory/>

Microsoft silences its new A.I. bot Tay, after Twitter users teach it racism [Updated]

Posted Mar 24, 2016 by Sarah Perez (@sarahintampa)



Next Story



How a Self-Driving Uber Killed a Pedestrian in Arizona

By TROY GRIGGS and DAISUKE WAKABAYASHI | UPDATED MARCH 21, 2018

A woman was struck and killed on Sunday night by an autonomous car operated by Uber in Tempe, Ariz. It was believed to be the first pedestrian death associated with self-driving technology.

What We Know About the Accident



<https://www.nytimes.com/interactive/2018/03/20/us/self-driving-uber-pedestrian-killed.html>

https://www.tesla.com/en_GB/blog/tragic-loss?redirect=no

struck while walking her

“Neither Autopilot nor the driver noticed the white side of the tractor trailer against a brightly lit sky, so the brake was not applied”

MODEL S MODEL

TESLA

A Tragic Loss

The Tesla Team • 30 June 2016

We learned yesterday evening that NHTSA is opening a preliminary investigation into the performance of Autopilot during a recent fatal crash that occurred in Tempe, Arizona. This is the first known fatality in just over 130 million miles where Autopilot was active. Among all vehicles in the US, there is a fatality every 94 million miles, or approximately every 60 million miles. It is important to note that this is a preliminary evaluation and NHTSA action is simply a preliminary evaluation to determine if the vehicle's performance met expectations.

Following our standard practice, Tesla informed NHTSA about the accident. What we know is that the vehicle was on Autopilot at the time of the collision.

We're in the 3rd wave of “AI” boom.

Two “AI winters” before.

https://en.wikipedia.org/wiki/History_of_artificial_intelligence

Good Read about AI: White House Report

Preparing for The Future of Artificial Intelligence

https://obamawhitehouse.archives.gov/sites/default/files/whitehouse_files/microsites/ostp/NSTC/preparing_for_the_future_of_ai.pdf

The Current State of AI

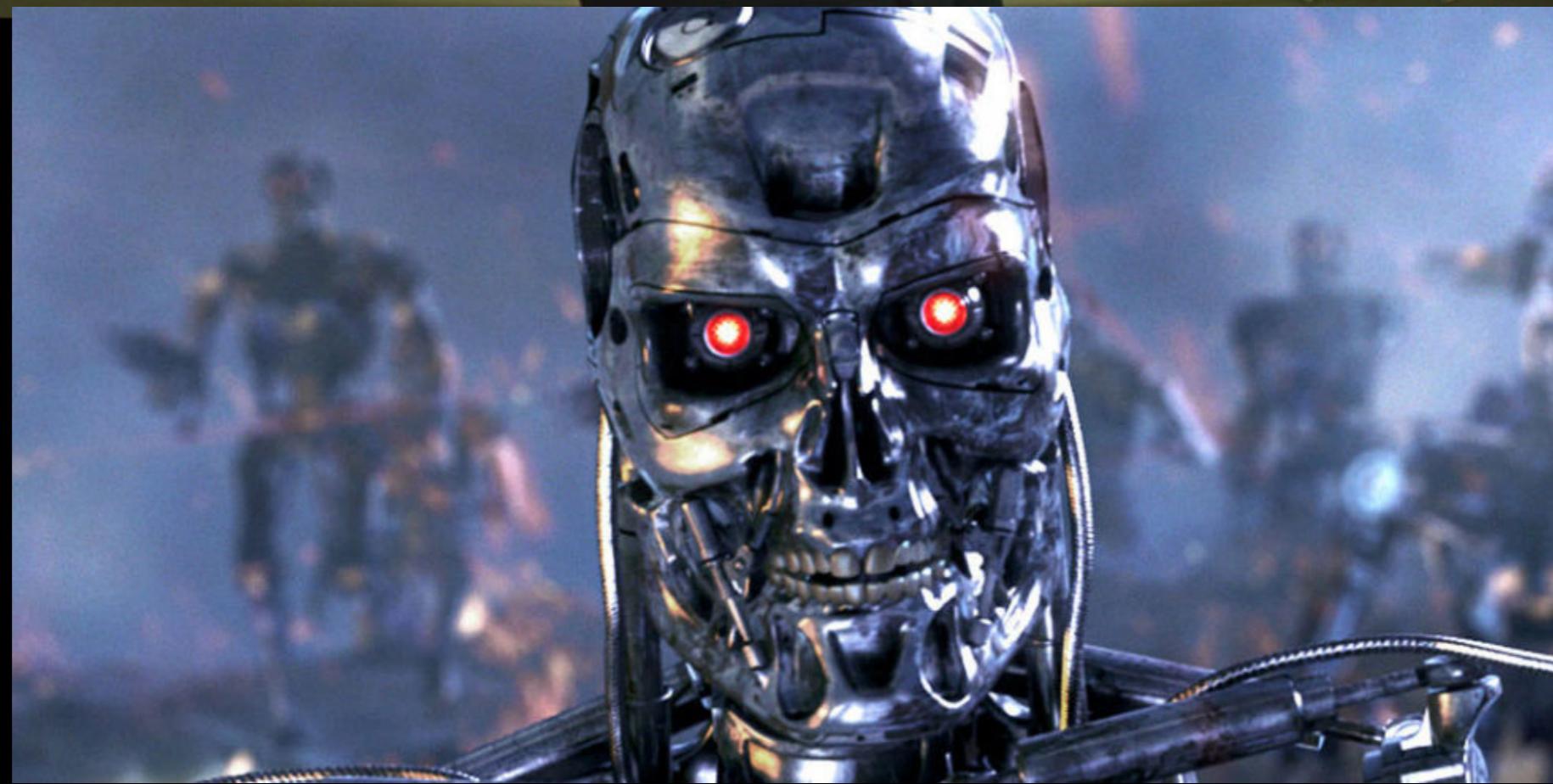
Remarkable progress has been made on what is known as **Narrow AI**, which addresses specific application areas such as playing strategic games, language translation, self-driving vehicles, and image recognition.

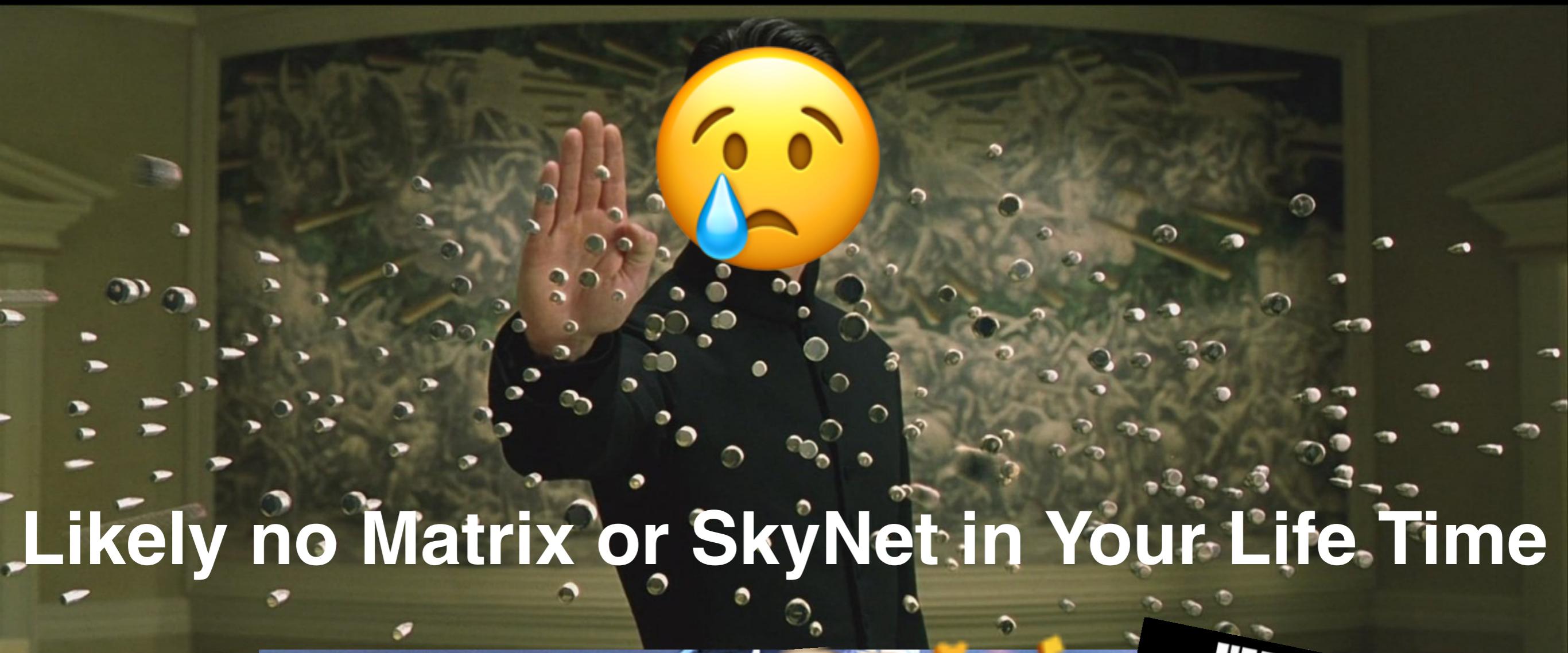
Narrow AI underpins many commercial services such as trip planning, shopper recommendation systems, and ad targeting, and is finding important applications in medical diagnosis, education, and scientific research. These have all had significant societal benefits and have contributed to the economic vitality of the Nation.

The Current State of AI

General AI (sometimes called Artificial General Intelligence, or AGI) refers to a notional future AI system that exhibits apparently intelligent behavior at least as advanced as a person across the full range of cognitive tasks.

A broad chasm seems to separate today's Narrow AI from the much more difficult challenge of General AI. Attempts to reach General AI by expanding Narrow AI solutions have made little headway over many decades of research. The current consensus of the private-sector expert community, with which the NSTC Committee on Technology concurs, is that **General AI will not be achieved for at least decades.**"





Likely no Matrix or SkyNet in Your Life Time

