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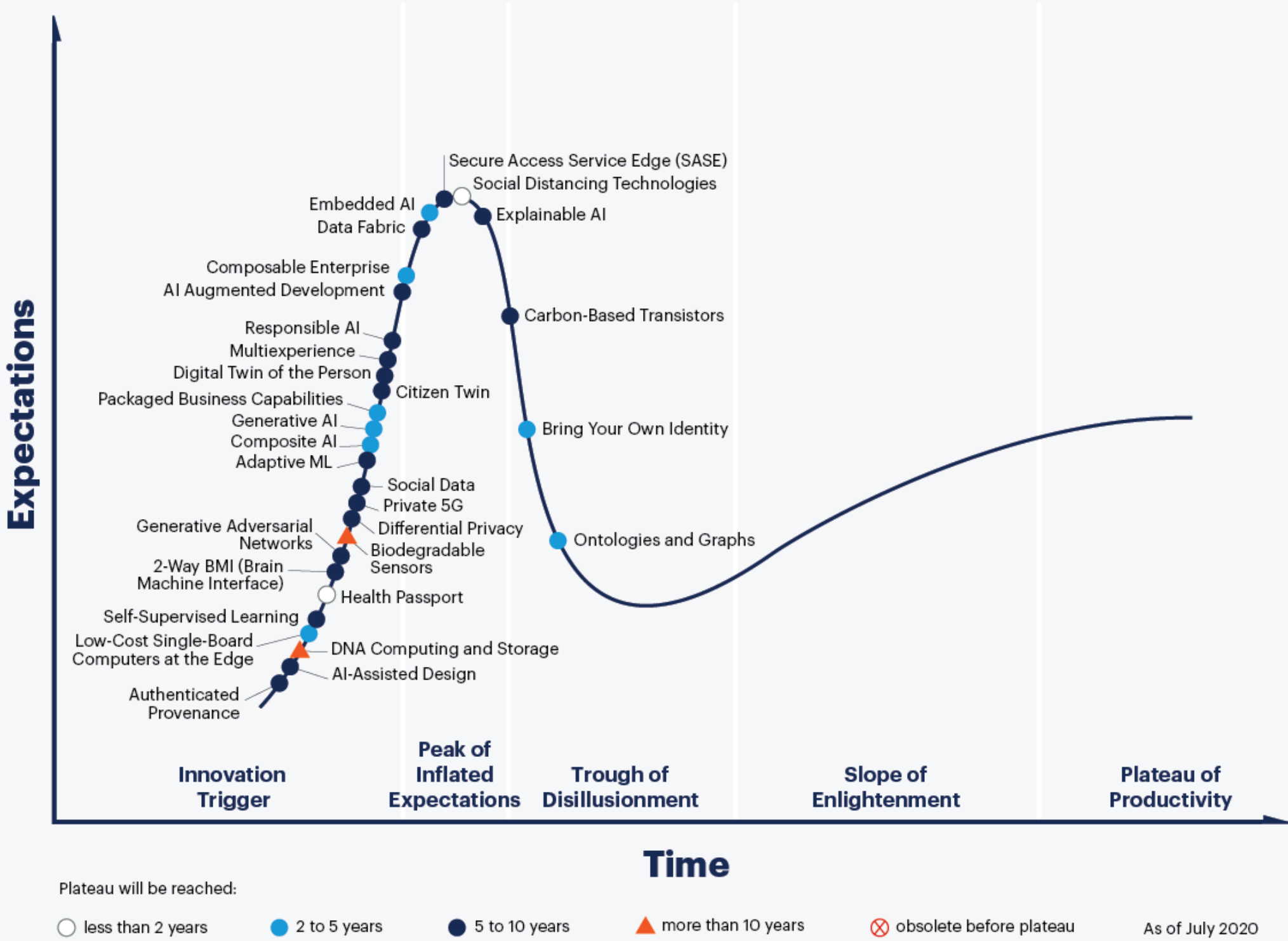
DLI Accelerated Data Science Teaching Kit

Lecture 1.8 - Data Science Buzzwords, Hype Cycle, General vs Narrow AI



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Hype Cycle for Emerging Technologies, 2020



[gartner.com/SmarterWithGartner](https://www.gartner.com/SmarterWithGartner)

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Polo's Motto

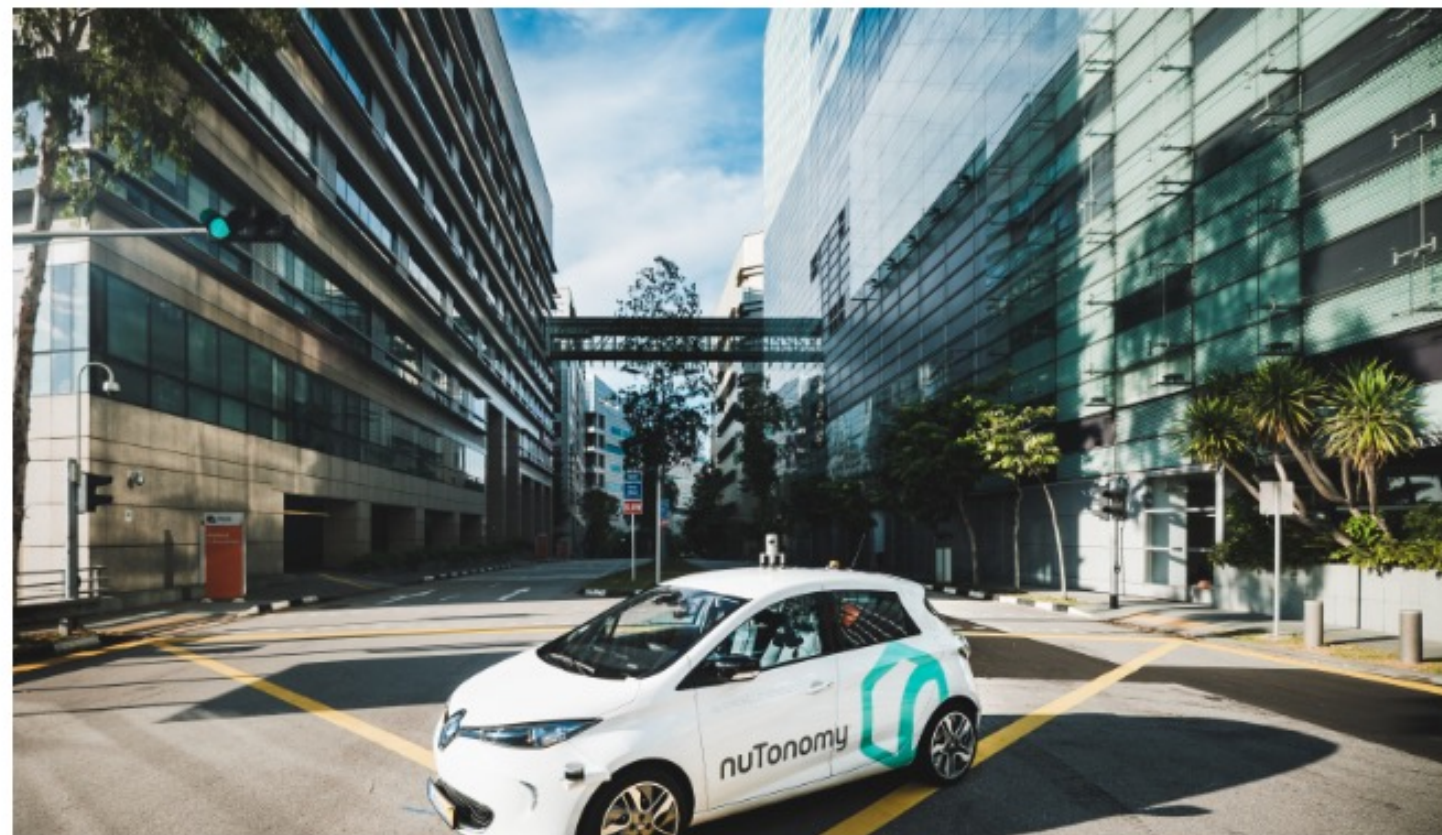
Learn New Things.

Be Cautiously Optimistic.

“Artificial Intelligence”

Self-Driving Taxis Hit the Streets of Singapore

by Kirsten Korosec @kirstenkorosec AUGUST 25, 2016, 4:09 AM EDT



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

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

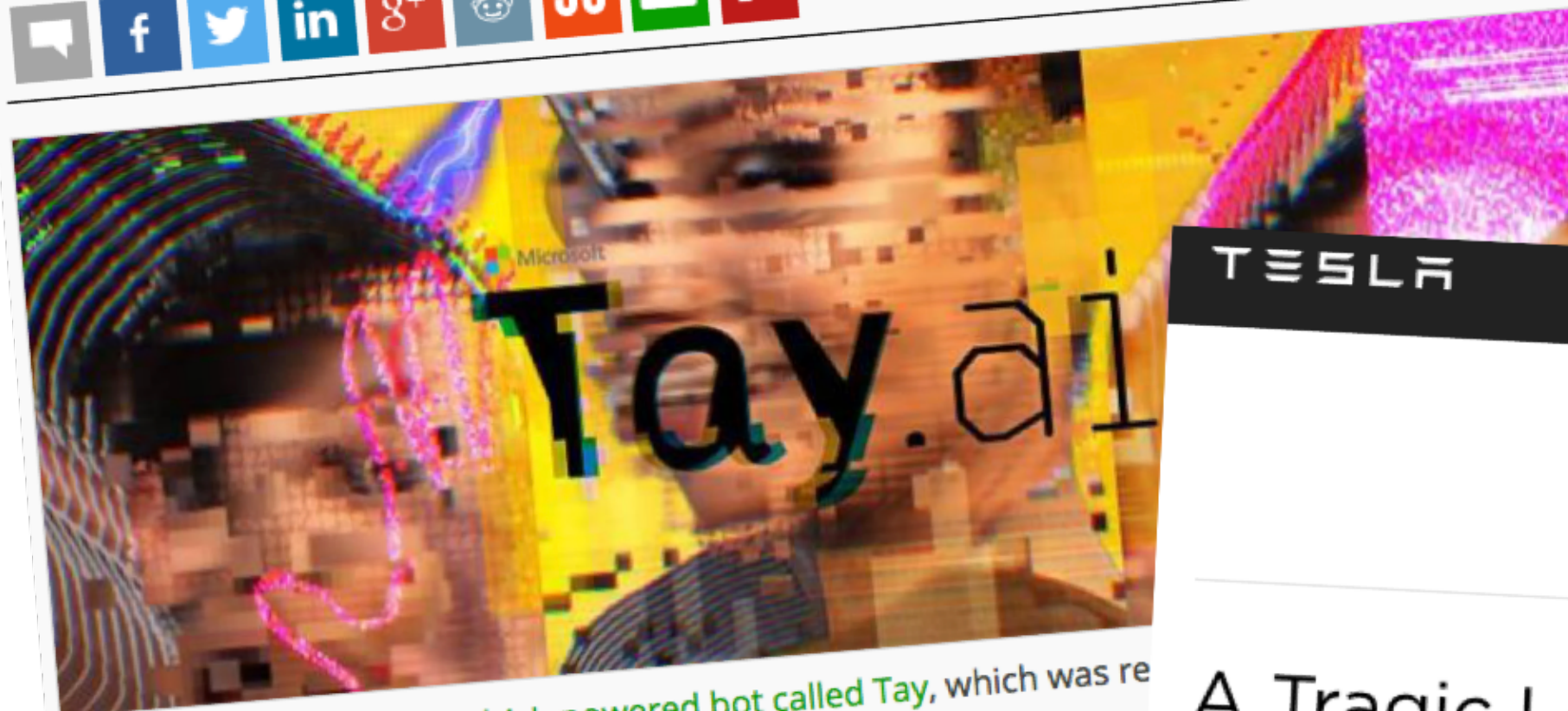
When AI Doesn't Work Well...

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



Microsoft's newly launched A.I.-powered bot called Tay, which was released on GroupMe and Kik, has already been shut down due to concerns over when it was making offensive or racist statements. Of course, the bot but it "learns" from those it interacts with. And naturally, given that the first things online users taught Tay was how to be racist, and how to express inflammatory political opinions. **[Update:** Microsoft now says it's "r

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

TESLA

MODEL S MODEL X MODEL 3 ENERGY

Blog Videos Press

A Tragic Loss

The Tesla Team • 30 June 2016

We learned yesterday evening that NHTSA is opening a preliminary evaluation into the performance of Autopilot during a recent fatal crash that occurred in a Model S. This is the first known fatality in just over 130 million miles where Autopilot was activated. Among all vehicles in the US, there is a fatality every 94 million miles.

We're in 3rd Wave of AI Boom

Two “AI winters” before

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

White House Report

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.**



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Thank You