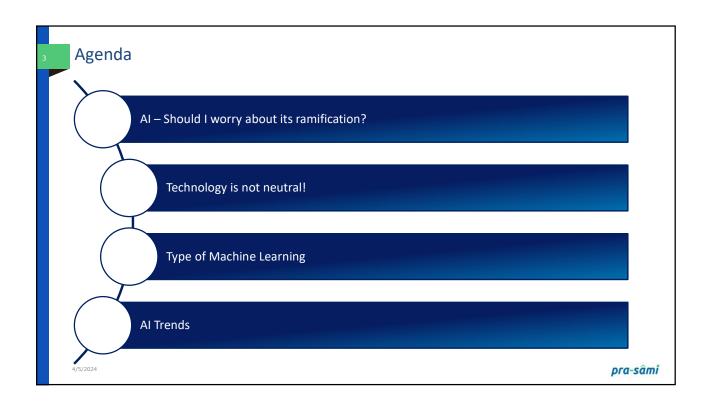


# What is AI? □ Views of AI fall into four different perspectives --- two dimensions: Thinking versus Acting · Human versus Rational **Human-like** "Ideal" Intelligent/ Intelligence **Pure Rationality** Thought/ Reasoning 3. Thinking Rationally 2. Thinking Humanly ("modeling thought" "brain") **Behavior/Actions** "behaviorism" "mimics 1. Acting Humanly 4. Acting Rationally behavior" 4/5/2024 pra-sâmi



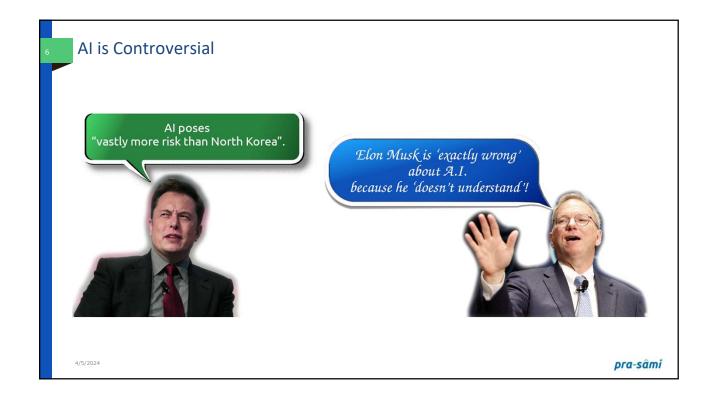


# Al is Controversial

# Conscious Killer Robots to 'bide their time' to Enslave humans

Killer robots with a conscience may become so advanced they could enslave the human race before killing our species, a leading expert has warned ullet

4/5/2024 **pra-sâmi** 



AI poses "vastly more risk than North Korea,"

"Competition for AI superiority at national level most likely cause of WW3,"

"AI is a fundamental risk to the existence of human civilization," Governments "will obtain AI developed by companies at gunpoint, if necessary,"

"AI is far more dangerous than nukes"?

**Elon Musk** 

4/5/2024

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So, I think that Elon is exactly wrong, he doesn't understand the full ramifications of the potential of artificial intelligence.

And he is wrong because he doesn't understand the benefits that this technology will provide to making every human being smarter.

And the fact of the matter is that AI and machine learning are so fundamentally good for humanity.

Over and over again, making people smarter is a net good.

He is concerned about the possible misuse of this technology and I am too. But today, the overwhelming benefit of this is positive!

**Eric Schmidt** 

4/5/2024

# a

#### Al is Controversial

- □ Al Winter too much promised
  - 1966: The failure of machine translation,
  - ❖ 1970: The abandonment of connectionism,
  - 1971–75: DARPA's frustration with the Speech Understanding Research program at Carnegie Mellon University
  - 1973: The large decrease in AI research in the United Kingdom in response to the Lighthill report,
  - ❖ 1973-74: DARPA's cutbacks to academic AI research in general,
  - ❖ 1987: The collapse of the Lisp machine market,
  - 1988: The cancellation of new spending on AI by the Strategic Computing Initiative
  - 1993: Expert systems slowly reaching the bottom
  - 1990s: The quiet disappearance of the fifth-generation computer project's original goals,
- □ Al may cause
  - Social ills,
  - Unemployment
  - End of humanity

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Technology is not Neutral!

4/5/2024

# Uncanny Valley: Being Human in the Age of Al

- □ "Technology is changing our world, with artificial intelligence both a new frontier of possibility but also a development fraught with anxiety"
  - Thomos P Campbell, Director and CEO of the Fine Arts Museums of San Francisco
- □ "As our lives are increasingly organized and shaped by algorithms that track, collect, evaluate, and monetize our data, the uncanny valley has grown to encompass the invisible mechanism of behavioral engineering and automation"
  - Claudia Schmuckli, Curator in Charge of Contemporary Art and Programming at the Fine Arts Museums of San Francisco

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# Uncanny Valley: Being Human in the Age of Al

- "Uncanny valley": a metaphor introduced by Japanese robotics engineer Masahiro Mori in 1970
  - A terrain of existential uncertainty that humans experience when confronted with autonomous machines that mimics their physical and mental properties
  - Chart human's comfort-discomfort spectrum with a robot based on its degree of resemblance
- □ But at the dawn of the "Industry 4.0", the uncanny valley is defined by addictive mechanisms that draws people to the screens like fireflies
- □ The exhibition examines the current applications of AI as a challenge to traditional understandings of the human–machine relationship and how AI's mechanisms are reshaping the human–machine integration through an artistic lenses
- □ It fundamentally alters our mode of existence, giving rise to a newly expanded uncanny valley

4/5/2024

Not Neutral!

Technology is not neutral!

Computers are not neutral!

Search Engines are not neutral!

Facial Recognition is not neutral!

Body postures and facial expressions are not proof enough that a person is likely to commit a crime!

- □ All of these things are designed by human beings
- ☐ Are increasingly pervade our culture
- □ Will shape society moving forward
- Humans are biased too
  - Humans working in the tech field, earning tech salaries, are privileged in ways that lend themselves to specific biases
  - Do have a huge impact on the rest of society

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# Al is Already Dangerous...

- ☐ Lynn Hershman Leeson's Shadowstalker asks you to enter your email address
  - \* Instantly pulls up as much information about you as it can find and displays it for the whole room to see
- Where you live,
- □ What your social media handles are,
- □ Who else you know in the system...
- □ It's all at the computer's "fingertips"
- How carelessly one might give out personal information without any regard for who will use it and how

4/5/2024

### Al is Already Dangerous...

#### ■ Stolen Faces:

- Use of facial recognition in predicting crime and determining who might be a criminal.
- As part of booking process, authorities are taking black-and-white mug shots of accused and convicted criminals
- No consent needed,
- \* Artificial Intelligence systems then study this data set to get a sense of what human face might be a threat.
- One day, you could be walking down the street when a camera sees your face, determines that you match the profile of a likely criminal, and alerts the authorities even though you've never committed a crime.
- □ We all know that certain people are more likely than others to be arrested in our society, so the existing mug shots in the system reinforce that bias
- □ AI multiplies and magnifies that bias with predictive technology

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"Data is not neutral." "Dirty Data."

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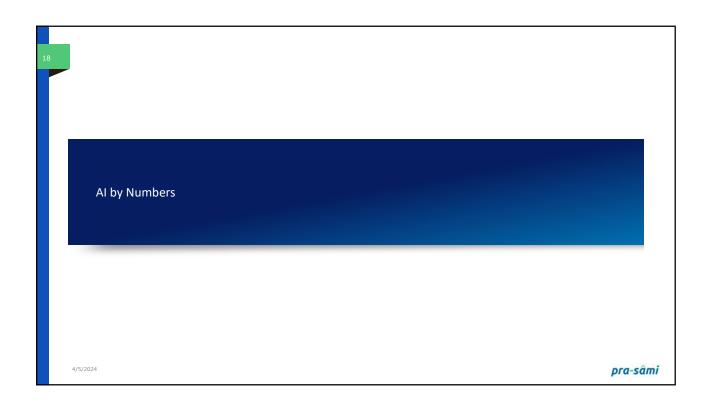
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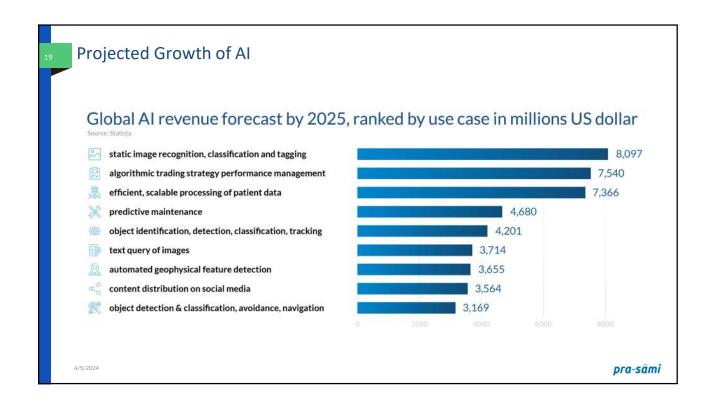
### What Does it Mean to be Human?

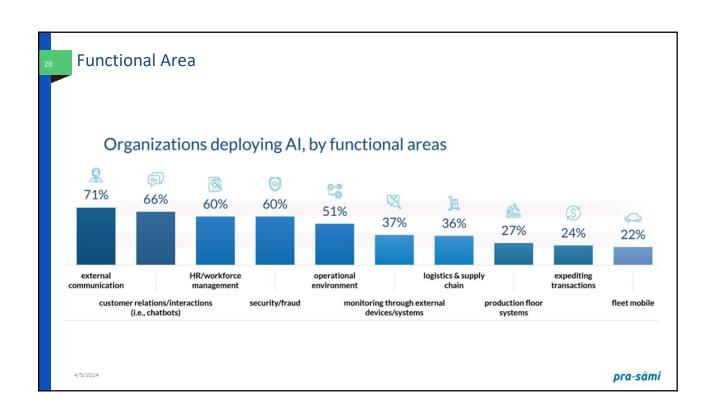
- ☐ If we create machines that can look and act like human beings then what does it mean to be human?
- □ Lawrence Lek's AIDOL,
  - \* There is a film about an AI creature named Geo who wants to become an artist
  - \* There is a human singer named Diva who suffers from artist's block and can't seem to write her next song
  - Ultimately, Geo mines her past songs for all of the best parts and uses computer technology to come up with a new song that is a huge hit
- □ We like to believe in the idea that art is unique to humanity, that the drive and ability to create is a human trait that we will retain and machines will never obtain

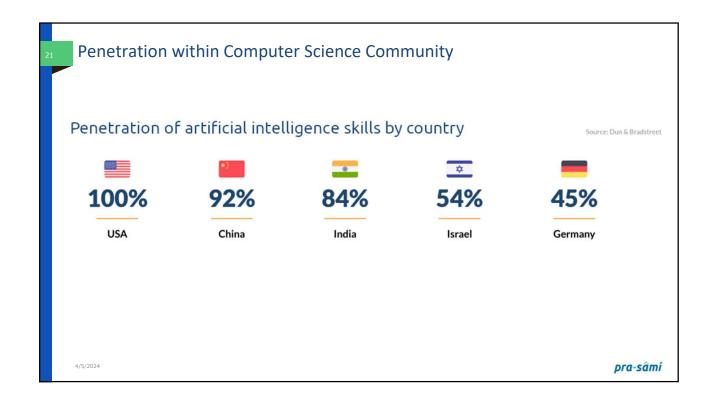
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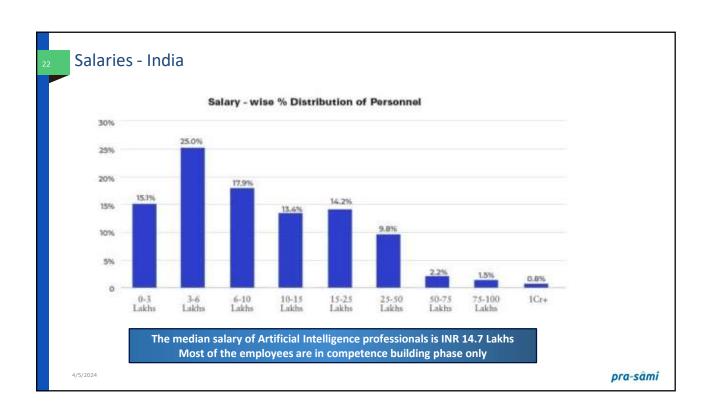
Disciplines that Contribute Ideas, Viewpoints, and Techniques		
Philosophy	Mathematics	
Economics	Control Theory and Cybernetics	
Neuroscience	Linguistics	
Computer Engineering	Psychology pra-sâm	ni .

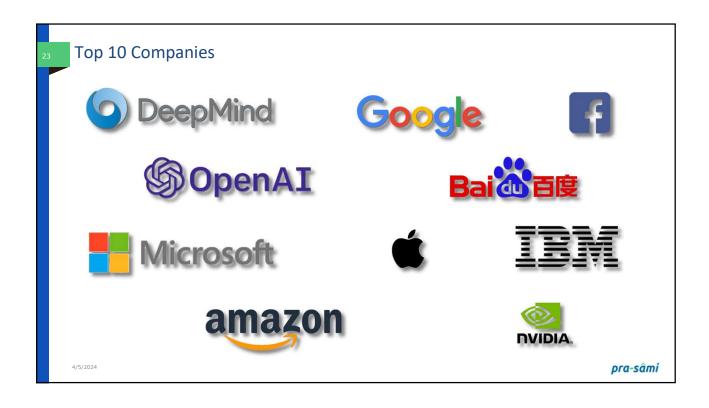


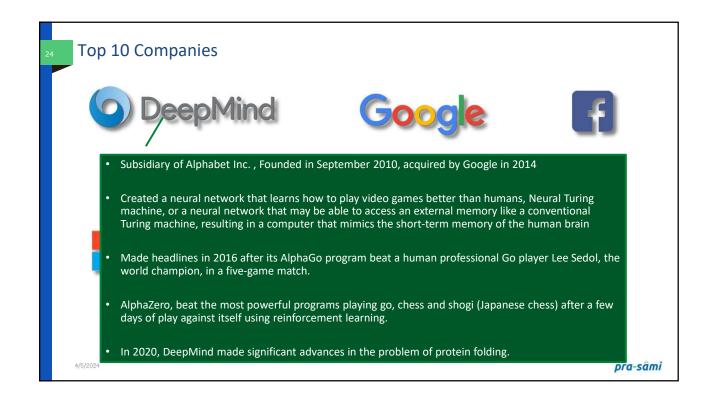


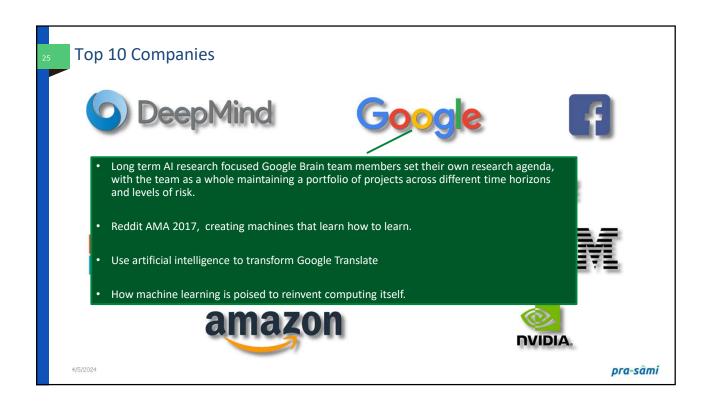


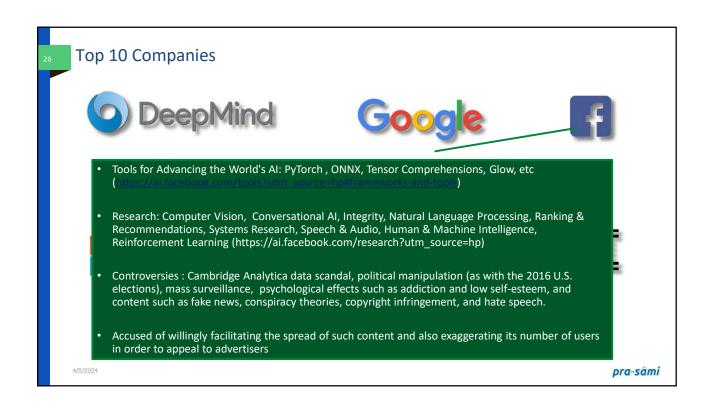


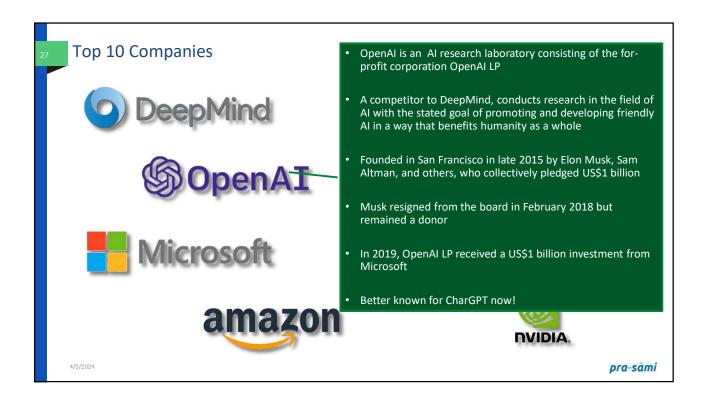


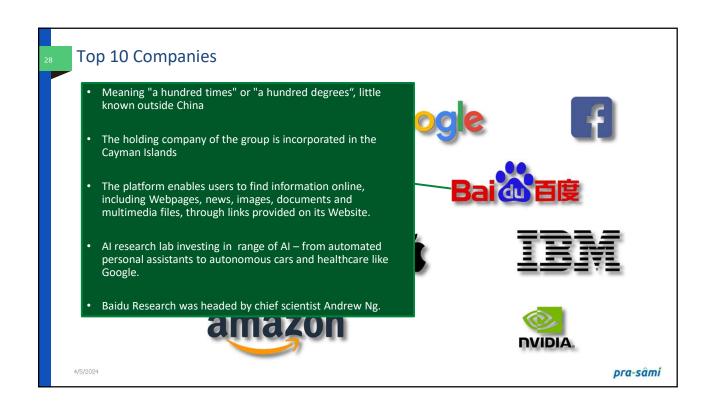


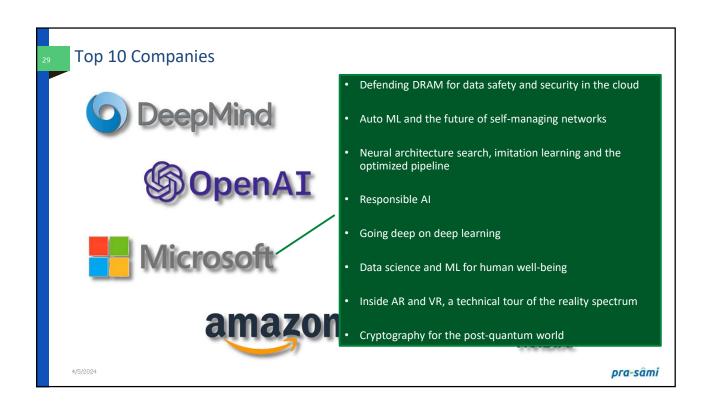


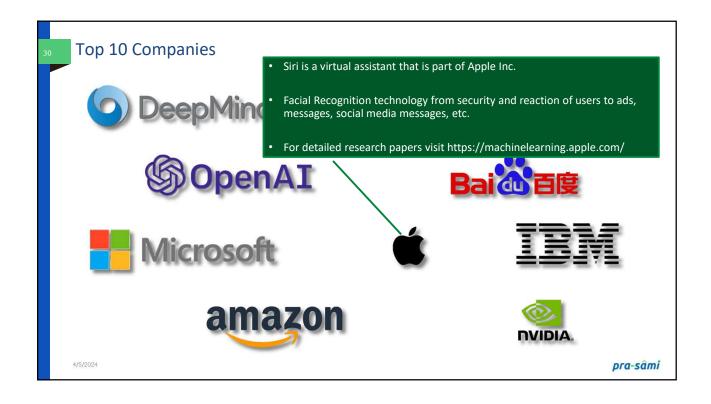


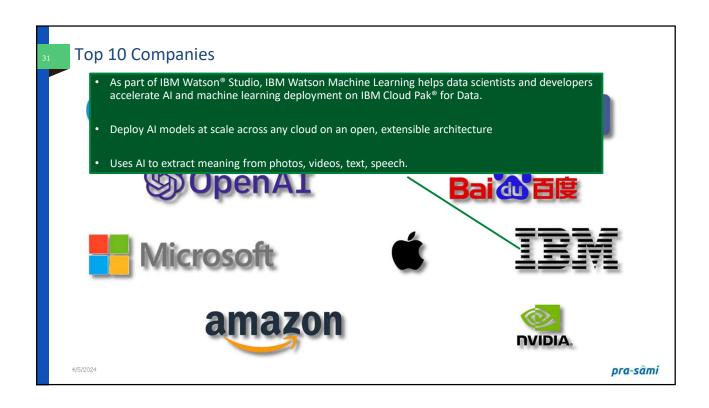


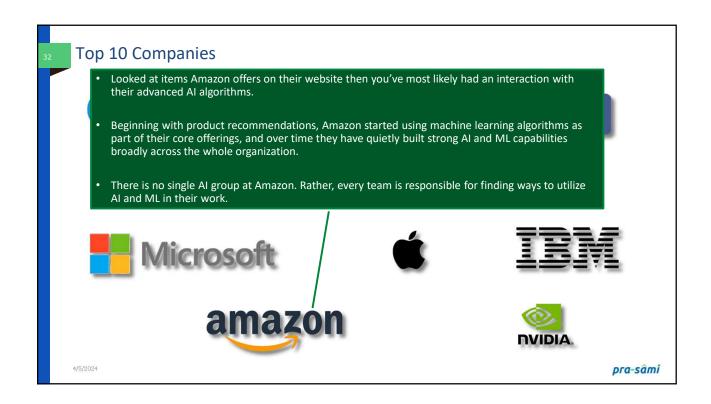


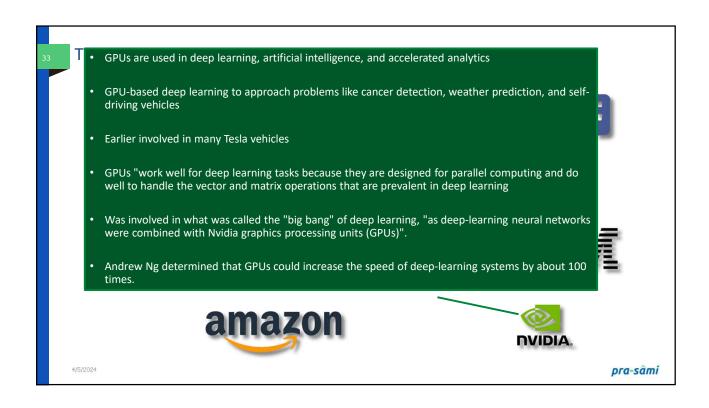


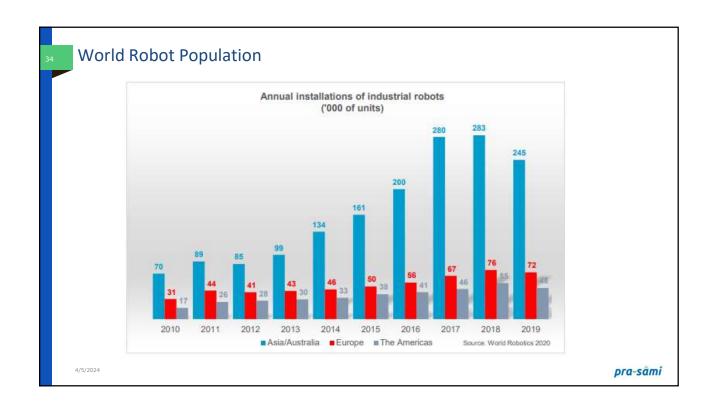


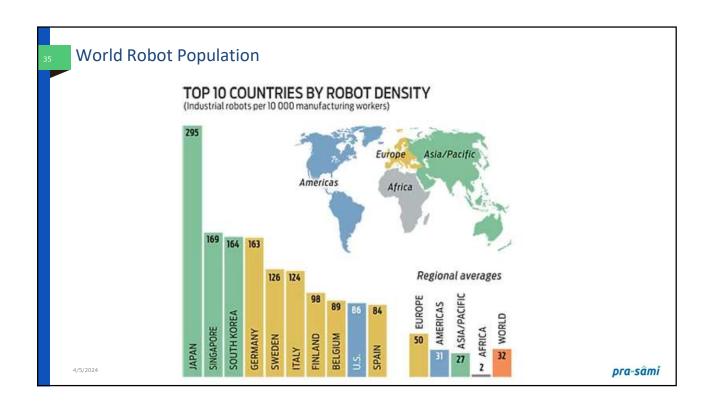


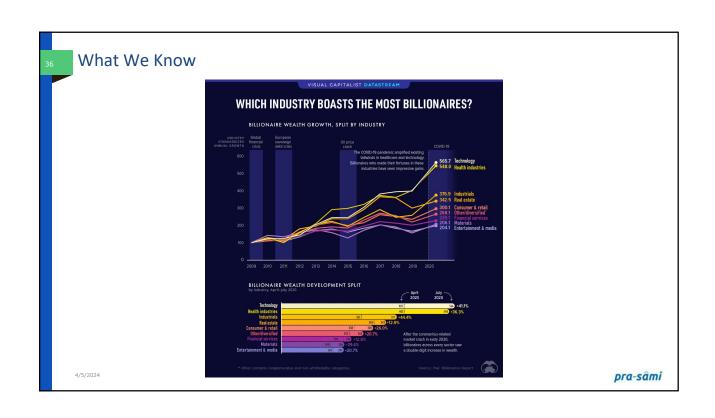












### Reflect...

- □ Elon Musk said "Competition for AI superiority at national level most likely cause of WW3,"
- "So, I think that Elon is exactly wrong, he doesn't understand the full ramifications of the potential of artificial intelligence" - Eric Schmidt
- Al is Controversial
- ☐ Technology, Computers, Search Engines and Data are not neutral
- A terrain of existential uncertainty that humans experience when confronted with autonomous machines that mimics their physical and mental properties
- ☐ It is possible to dig out one's complete details just from one's email ID.
- □ Al multiplies and magnifies "that bias" with predictive technology
- ☐ Generic solution is under fitted and specific solutions are over fitted

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# **Open Forum**

□ Technology is not neutral!

4/5/2024



