



INTELLIGENT TEKNOLOGISK LIV



AVGRENSNING

Mennesket som utgangspunkt



AVGRENSNING

Teknologi: "The application of scientific knowledge for practical purposes, especially in industry" (oxford dictionary).

AVGRENSNING

Intelligent teknologi som prøver å etterligne menneskelige egenskaper

- Roboter som i større eller mindre grad ser ut som mennesker (humanoids)
- Chatboter



MENNESKET

HVA KJENNETEGNER MENNESKET?

"the condition that distinguishes animals and plants from inorganic matter, including the capacity for growth, reproduction, functional activity, and continual change preceding death" (oxford dictionary)



MENNESKET

Fysiske egenskaper

Mentale egenskaper



MENNESKET

INTELLIGENS

INTELLIGENS

"the intellectual prowess of humans, which is marked by complex cognition and high levels of motivation and self-awareness. Through their intelligence, humans possess the cognitive abilities to learn, form concepts, understand, apply logic, and reason, including the capacities to recognize patterns, comprehend ideas, plan, solve problems, make decisions, retain information, and use language to communicate. Intelligence enables humans to experience and think" (Wikipedia)



INTELLIGENS

KAN TEKNOLOGI VÆRE INTELLIGENT?

INTELLIGENT TEKNOLOGI

Artificial intelligence: anything we create that is capable of actions based on information perceived, its own experiences, and its own decisions about which actions it performs

Superintelligence: any intellect that greatly exceeds the cognitive performance of humans in virtually all domains of interest (Bostrom, 1998).

INTELLIGENT TEKNOLOGI

Artificial intelligence: anything we create that is capable of actions based on information perceived, its own experiences, and its own decisions about which actions it performs

- Forstå konsepter
- Resonere
- Tenke og oppleve

Superintelligence: any intellect that greatly exceeds the cognitive performance of humans in virtually all domains of interest (Bostrom, 1998).



EKSITERER INTELLIGENT TEKNOLOGI?

STATE OF ART

- Software: chatbots



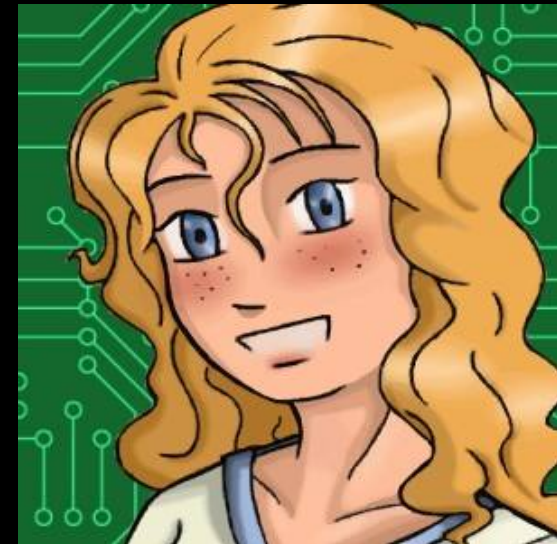
Google home

Hentet fra:
https://commons.wikimedia.org/wiki/File:Google_Home_sitting_on_table.jpg



Alexa

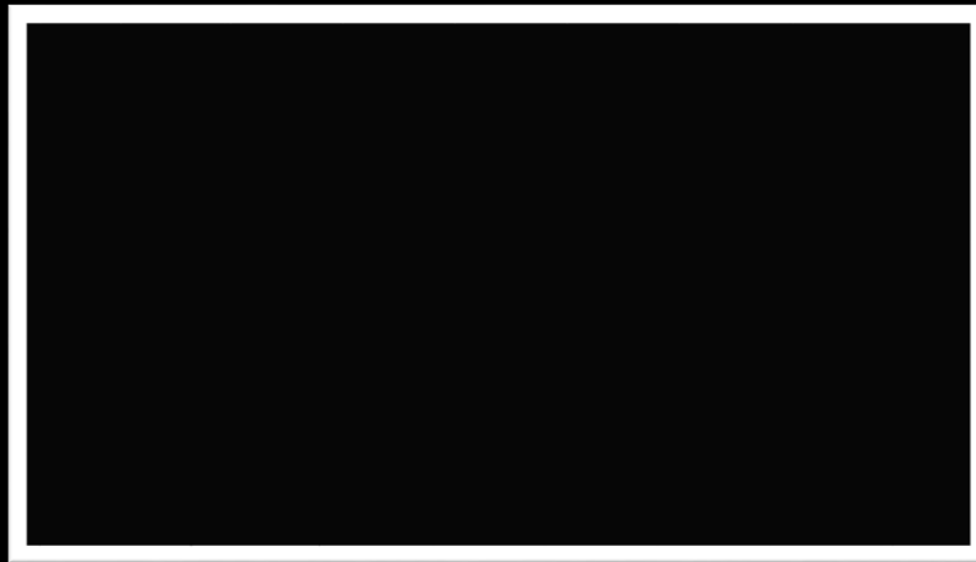
Hentet fra:
www.quotecatalog.com



Mitsuku

Hentet fra:
<https://commons.wikimedia.org/wiki/File:Mitsuku.jpg>

- <https://www.youtube.com/watch?v=d4AcaH7gN9I>



STATE OF ART

Hardware: robots



Sophia and Han

Photo by: Cody Glenn / RISE / Sportsfile

Hentet fra:

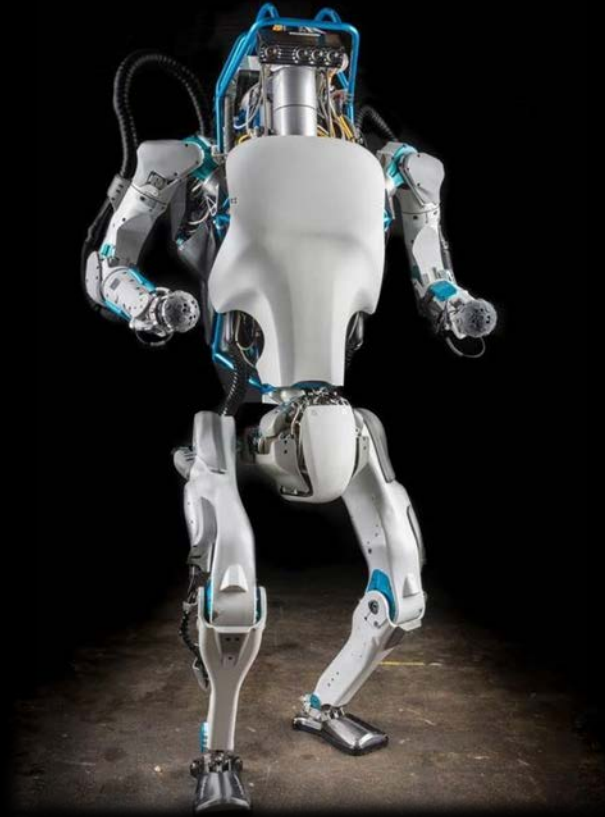
<https://www.flickr.com/photos/riseconf/358720113>

- <https://www.youtube.com/watch?v=g-rA9FD0oc4>



STATE OF ART

Hardware: robots



Atlas

Hentet
fra:[https://de.wikipedia.org/wiki/Atlas_\(Roboter\)](https://de.wikipedia.org/wiki/Atlas_(Roboter))

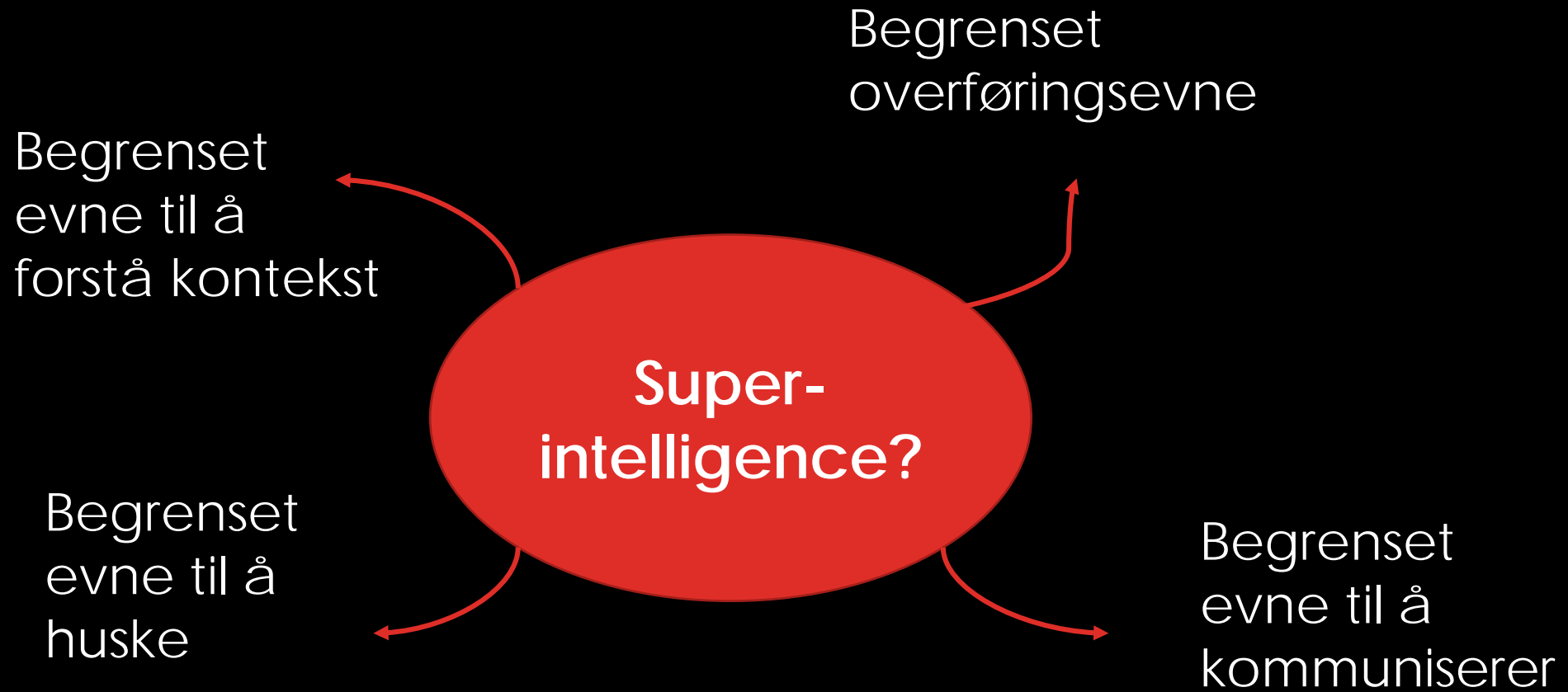
- <https://www.youtube.com/watch?v=Y0a0SSBnFvg>



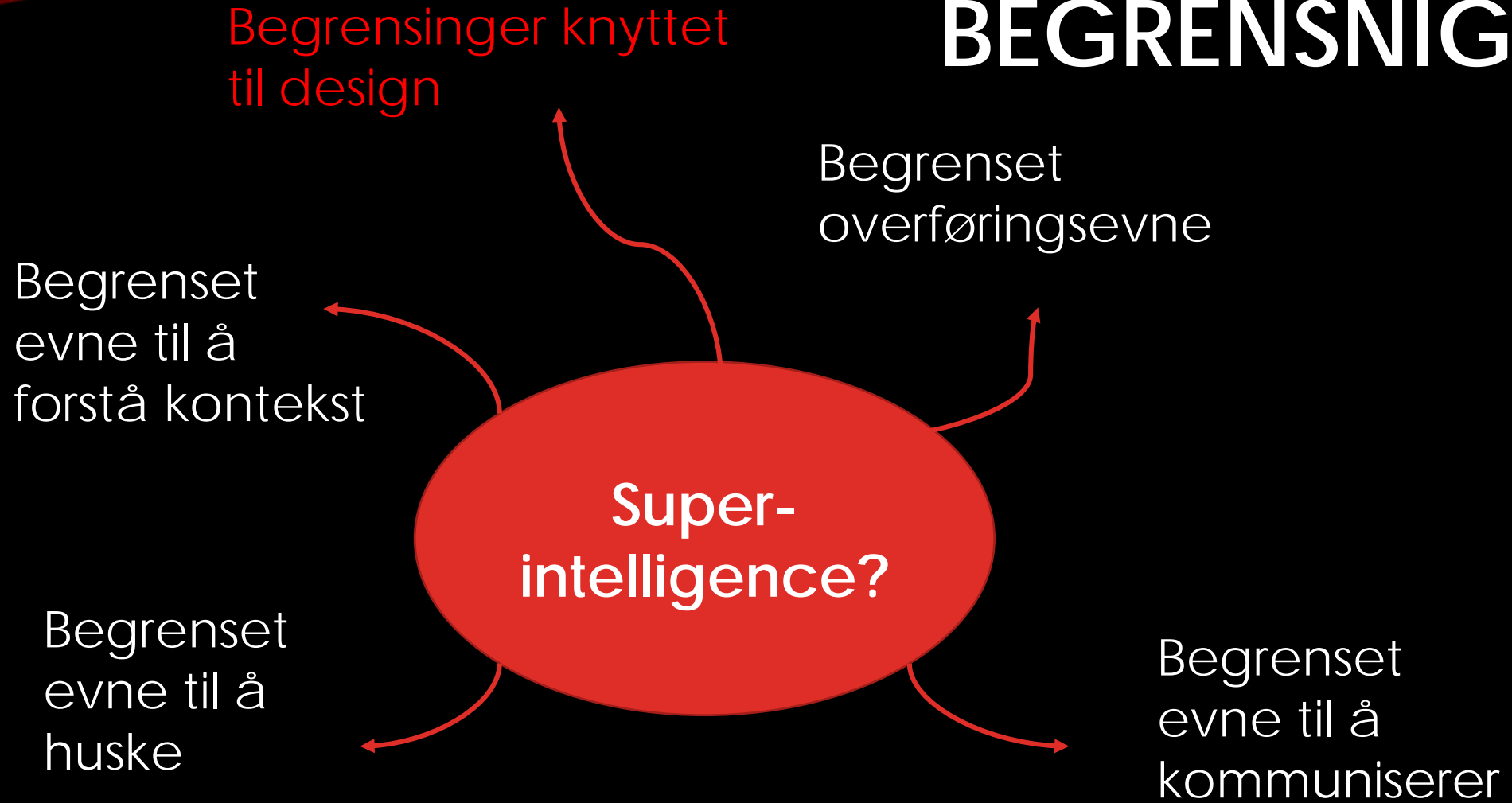


BEGRENSNIGER

BEGRENSNIGER



BEGRENSNINGER



NÅR KAN VI FORVENTE INTELLIGENT TEKNOLOGISK LIV??

Hans Moraves spådde in 1999 at maskiner vil oppnå menneskelig intelligens innen 2040, og overgå oss mennesker Innen 2050

Ray Kurzweil (1999) predikerte at teknologi vil overgå oss mennesker I løpet av 2100 og at vi vil utdø som art.

NÅR KAN VI FORVENTE INTELLIGENT TEKNOLOGISK LIV??

Survey from 2012/2013 among AI experts found that "AI systems will probably (over 50%) reach overall human ability by 2040-50, and very likely (with 90% probability) by 2075" (Müller, 2014).

HVORDAN VIL DET MANIFESTERE SEG?

Embodied evolution:

Vi får roboter som ligner de jeg har illustrerte, bare uten begrensningene ved dagens teknologi (superintelligens)

HVORDAN VIL DET MANIFESTERE SEG?

Disembodied evolution: sammenstilling mellom mennesker og teknologi, hvor vi (frivillig) "flytter" inn i en pc og etterlater kroppene våre

Kilde: Kim, M. S. (2018). Robot as the "mechanical other": transcending karmic dilemma. AI & SOCIETY, 1-10.

ER DET REALISTISK?

- Sosioteknisk blindhet og teknologisk utvikling
- Forvirring rundt autonomi
- Mangel på forståelse

Kilde: Johnson, D. G., & Verdicchio, M. (2017). AI Anxiety. Journal of the Association for Information Science and Technology, 68(9), 2267-2270.

KONKLUSJON

AI angst preger hverdagen vår

Teknologisk liv vil i større grad være udødelig sammenlignet med ett menneskeliv

Mennesket er likevel overlegent enn så lenge grunnet vår intelligens

AI eksiterer i dag, men kommer til kort

Forventer at superintelligens vil ha en inntreden ganske snart (20 + år)

Ikke nødvendigvis så realistisk at mennesket vil utdø og AI "overleve"

REFERANSER

- Gill, K. S. (2016). Artificial super intelligence: beyond rhetoric.
- Johnson, D. G., & Verdicchio, M. (2017). AI Anxiety. *Journal of the Association for Information Science and Technology*, 68(9), 2267-2270.
- Bradley, J. P. (2018). Cerebra: "All-Human", "All-Too-Human", "All-Too-Transhuman". *Studies in Philosophy and Education*, 1-15.
- Parisi, D. (2017). Human, Not Humanoid, Robots. In *Robotics-Legal, Ethical and Socioeconomic Impacts*. InTech.
- Bostrom, N. (1998). How long before superintelligence?.
- Müller, V. C., & Bostrom, N. (2014). Future progress in artificial intelligence: A poll among experts. *AI Matters*, 1(1), 9-11.
- Kim, M. S. (2018). Robot as the "mechanical other": transcending karmic dilemma. *AI & SOCIETY*, 1-10.