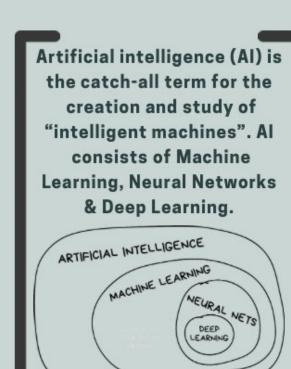
WHAT IS

ARITIFICAL INTELLIGENCE?

Machine Learning?

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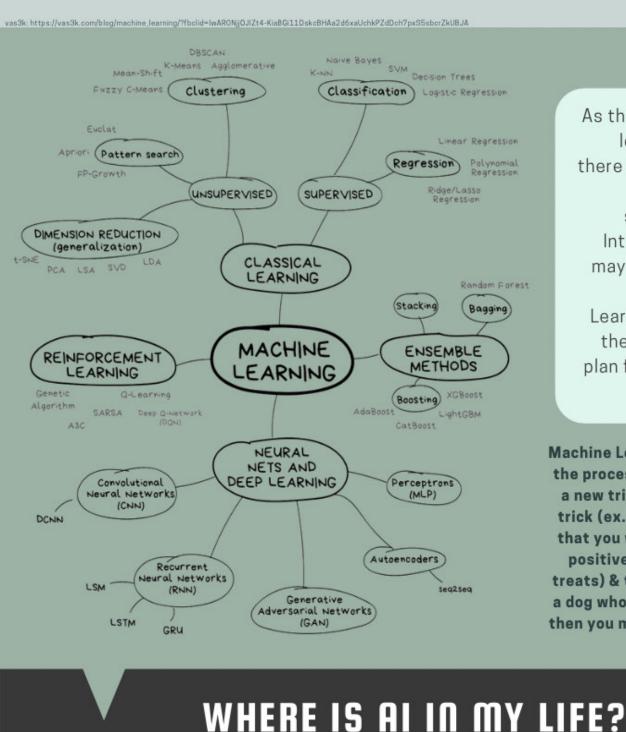


Deep Learning?

01011101000101010011000101

Machine Learning is made

up of three parts: 1. The Data used by the system which can be made up of relavent text, audio, images, etc. 2. The Features or Parameters which allow the machine to capture information from the data 3. The Training Methods or Algorithms which "teach" the machine the correct outputs and processes.



there are many types of Machine Learning systems. Artificial Intelligence creators may choose a specific type of Machine Learning depending on the type of task they plan for the machine to perform. Machine Learning is analogous to the process of training your dog

As the mind map on the

left demonstrates.

treats) & the outcome should be a dog who can rollover (if it fails then you may try a new method).

a new trick: You decide on the

trick (ex. rollover), the method

that you will use to train it (ex. positive reinforcement with













BUT, SHOULD WE FEAR AI?

SUPERINTELLIGENT AI

machines that bring about the existential dread we feel when watching Black Mirror's Metalhead. created with intelligence that exceeds human intelligence.

Basic Machine Learning Al

systems such as our

email's spam filter

function are not the Al



Dynamics 'Spot' seen here. **Currently Spot is used** for inspection, exploration and documentation.

The autonomous robotic

quadrupeds in Metalhead

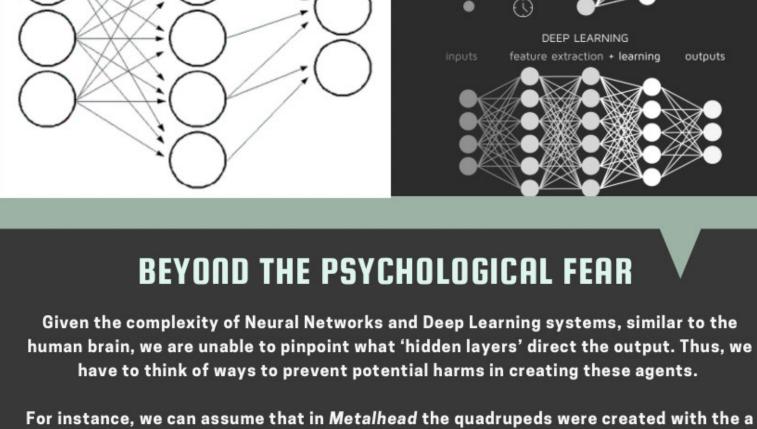
are similar to Boston

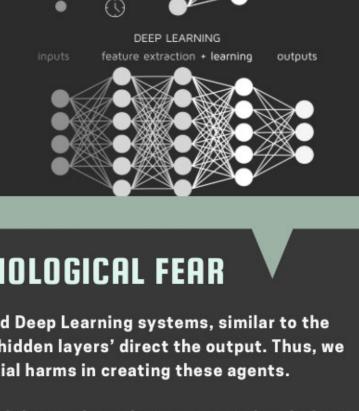
Superintelligent Al requires Neural Networks and Deep Learning to problem solve & 'act' intelligently. Often this is accompanied by autonomousity by the agent.

DEEP LEARNING **NEURAL NETWORK** MACHINE LEARNING Hidden feature extraction learning outputs

Input







PREVENTATIVE OPTIONS Incentivize human Transparency tools

Reset button

different intention in mind, say helping police similar to police dogs, but they then begin to see all humans the same way that they were programmed to see criminals.

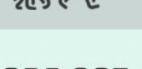


Attempt to mimic the human evolution of cooperation into the

Adversarial training



Imitative amplification





Intermittent oversight



Superintelligent AI?

· It seems that the

existential fears that

we have are driven out

of the machines that

could be autonomous,

problem solving and

have access to large

amounts of data.

Mircroscope Al

instructions

REGARDLESS OF WHETHER THE SAFETY PRECAUTIONS ARE IN

SO, WHAT SHOULD WE FEAR?

Boston Dynamics' Spot?

used to do routine

inspections

Currently, Spot is being

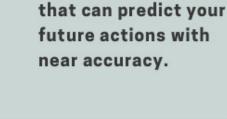
autonomously, but it

doesn't have enough

worry, but maybe soon?

freedom to call for

PLACE WE CONTINUE TO BUILD SUPERINTELLIGENT AI



Algorithms?

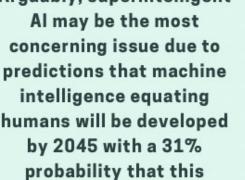
Though helpful for

most functions, the

fight with a machine

fear would be trying to

DO WE CONTINUE?

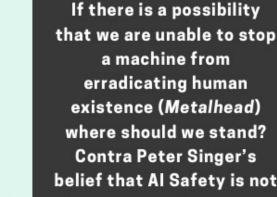


development will be 'bad' or

'extremely bad' for

humanity (HELIX).

Thus, by the Maxipok Rule,



existence (Metalhead) where should we stand? Contra Peter Singer's belief that AI Safety is not the most pressing concern for altruists, individuals such as laroslav Elistratov argue that the existential risk is high and very serious (HELIX).





ANY OUTOCME THAT AVOIDS EXISTENTIAL CATASTROPHE" (BOSTROM)

RESOURCES IN THIS INFOGRAPHIC:

LONGTERMISM AND AI Arguably, superintelligent Al may be the most concerning issue due to

we should intervene.

WHAT DO YOU THINK?

Bostrom, Nick. 2013. "Existential Risk Prevention as Global Priority". University of Oxford. Elistratov, Iaroslav. 2020. "Is Al Safety 'Rather Speculative Long-Termism?". Helix: A Journal of Interdisciplinary Research. Vol. Häggström, Ollie. "Strategies for an unfriendly oracle Al with reset button". Charmers University of Technology and the Insititute

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