AI : Past, Present, Future

26/03

AI > ML > DL

<https://www.quora.com/What-s-the-difference-between-AI-ML-and-DL>

Old brain -> instincts

Around 450M years ago

New brain -> reasoning

Deep learning (using Neural Network) try to understand the instincts of the old brain

From a stimulus comes a response through a black box

Old brain - > OpenWorm Project -> with 302 neurons and a few thousand synapses can model a worm

Intelligence :

* Ability to learn how to solve problem
* Perceive information and adapt to it

Artificial intelligence :

* Act adaptively in any situation
* Correctly interpret external data

Examples :

* AI reads your resume
* Dating apps
* International debate champion
* Defense
* Finance
* Healthcare
* Autonomous
* Painting
* AI for AI: Auto Ml

Book :

Nick bostrom, the superintelligence

Ray Kurzweil, The singularity is near

Max Tegmark, life 3.0

Intelligence explosion:

* If machine produces machines -> better than human

When will technological singularity take place ?

* Between 2040, 2045

Life 1.0 bacteria

Life 2.0 humans

Life 3.0 machine

**Fear of superintelligence**

Facebook stops 2 robots talk at the same time

Elon Musk predict doom

AI allows us to think about Metacognition and Reverse-engineering

What is AI for you ?

\*to reflect on\*