

AI Demystified

Definitions

- **► Intelligence:** The capacity to learn and solve problems
- **➢ Artificial Intelligence :** A simulation of human intelligence by machines
- ► ability to mimic or duplicate the function of human brain
- AI deals with the automation of intelligent behavior

A.I. TIMELINE











1950

TURING TEST

Computer scientist Alan Turing proposes a test for machine intelligence. If a machine can trick humans into thinking it is human, then it has intelligence

1955

A.I. BORN

Term 'artificial intelligence' is coined by computer scientist, John McCarthy to describe "the science and engineering of making intelligent machines"

1961

UNIMATE

First industrial robot, Unimate, goes to work at GM replacing humans on the assembly line

1964

ELIZA

Pioneering chatbot developed by Joseph Weizenbaum at MIT holds conversations with humans

1966

SHAKEY

The 'first electronic person' from Stanford. Shakey is a generalpurpose mobile robot that reasons about its own actions

A.I. WINTER

Many false starts and dead-ends leave A.I. out in the cold

1997

DEEP BLUE

Deep Blue, a chessplaying computer from IBM defeats world chess champion Garry Kasparov

1998

KISMET

Cynthia Breazeal at MIT introduces KISmet, an emotionally intelligent robot insofar as it detects and responds to people's feelings

















1999

AIBO

Sony launches first consumer robot pet dog autonomous robotic AiBO (Al robot) with skills and personality that develop over time

2002

ROOMBA

First mass produced vacuum cleaner from iRobot learns to navigate interface, into the and clean homes

2011

Apple integrates Siri, an intelligent virtual assistant with a voice iPhone 4S

2011

WATSON

IBM's question answering computer Watson wins first place on popular \$1M prize television quiz show Jeopardy

2014

EUGENE

Eugene Goostman, a chatbot passes the Turing Test with a third of judges believing Eugene is human

2014

ALEXA

Amazon launches Alexa. an intelligent virtual assistant with a voice interface that completes inflammatory and shopping tasks

2016

Microsoft's chatbot Tay goes roque on social media making offensive racist comments

2017

ALPHAGO

Google's A.I. AlphaGo beats world champion Ke Jie in the complex board game of Go, notable for its vast number (2170) of possible positions

History of Al



Neural Networks 1950-1970

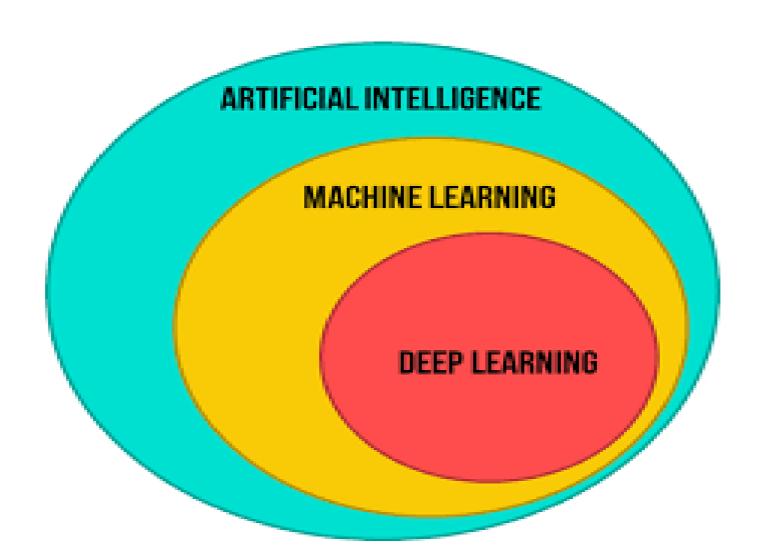


Machine Learning 1980-2010

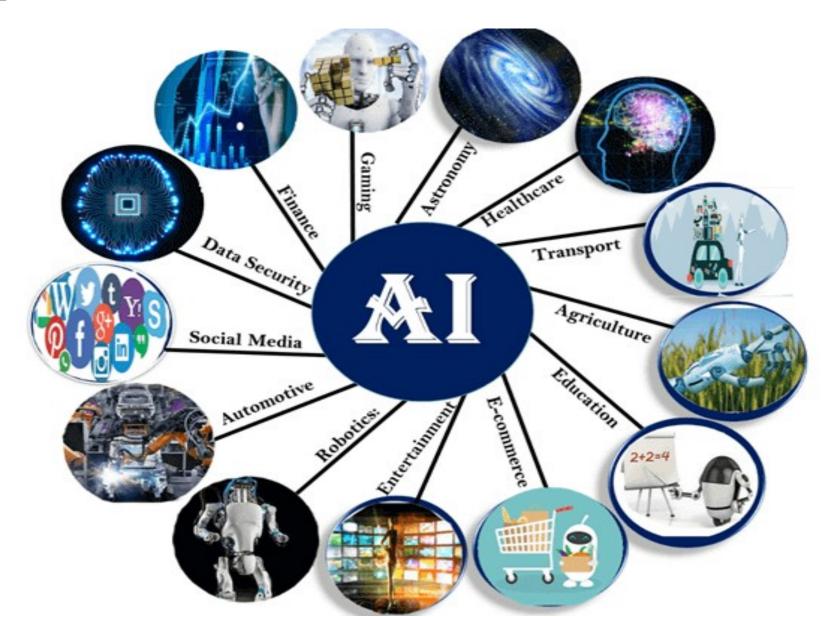


Deep Learning Today

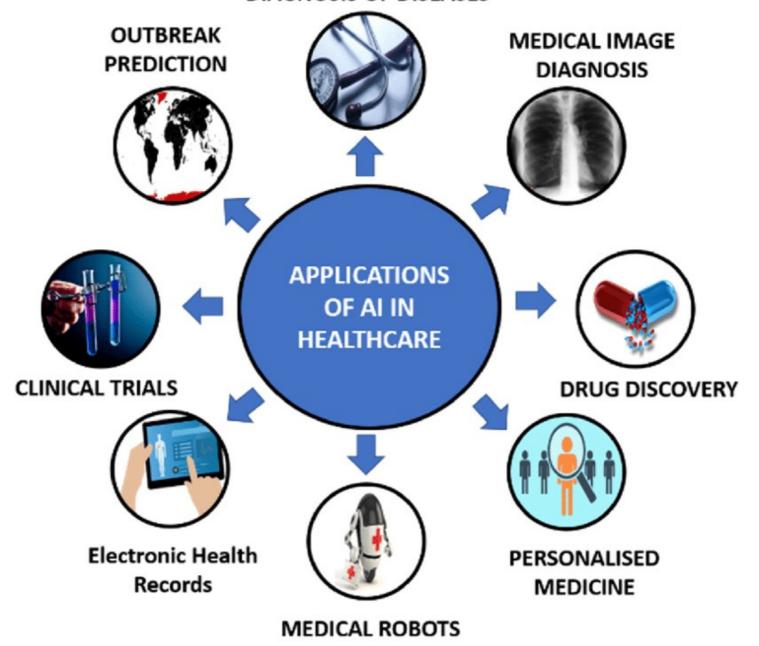
Artificial Intelligence, Machine Learning & Deep Learning



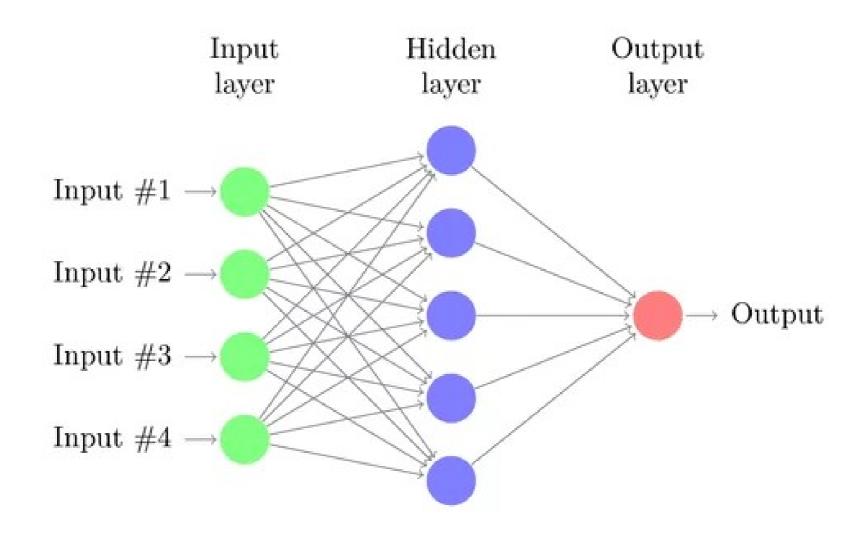
Applications of AI



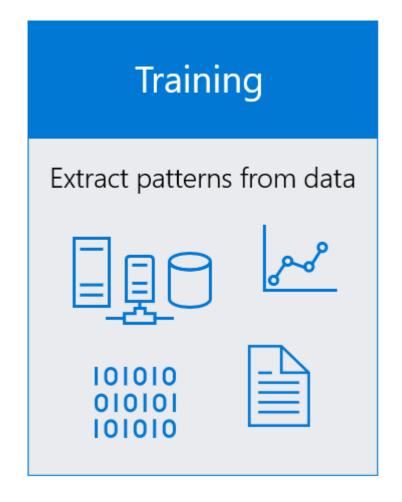
DIAGNOSIS OF DISEASES

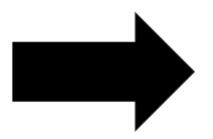


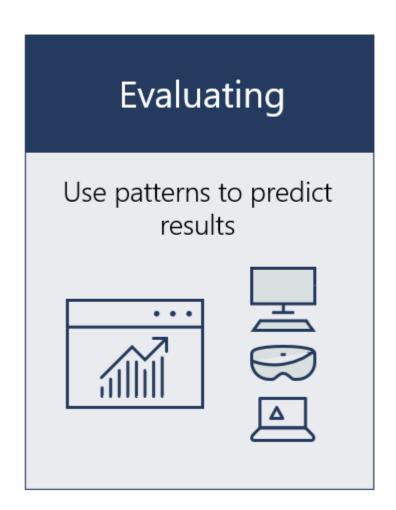
A simple neural network



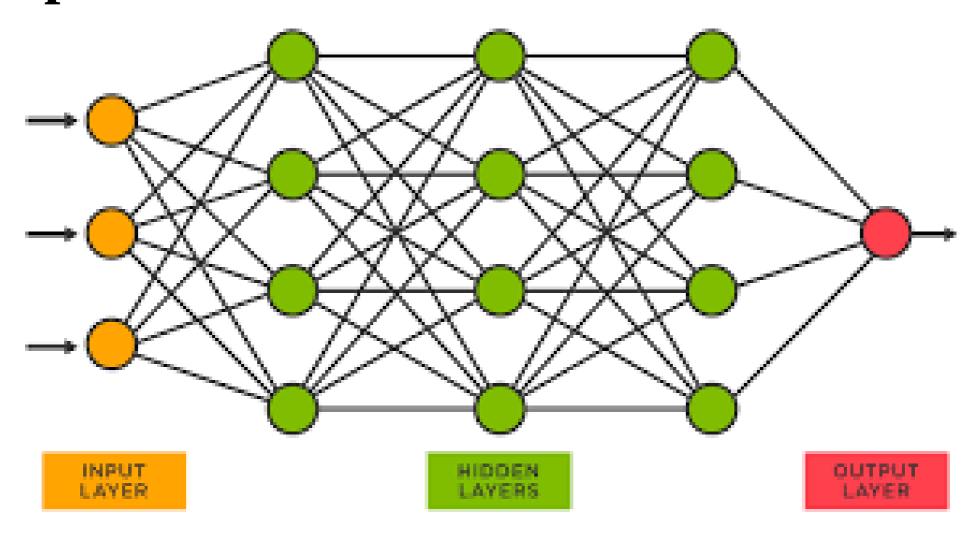
Machine Learning Model







Deep Neural Networks



Recent Sensations in the field of AI

DeepFakes



ChatGPT



Future of AI

