

# UNDERSTAND ARTIFICIAL INTELLIGENCE IN 15 WORDS

## 1. ALGORITHM

Set of rules to be followed in calculations or other problem-solving operations. Like a cooking book



## 2. PREDICTIVE ANALYSIS

Range of analytical and statistical models that may be used to predict future events or behaviors



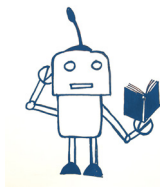
## 3. SUPERVISED LEARNING

Automatic learning process of the machine, supervised by humans



## 4. UNSUPERVISED LEARNING

Automatic learning process of the machine, without human intervention. Typically used in Deep Learning algorithms



## 5. BIG DATA

Set of data so large (order of trillion) that they must be handled by machines.



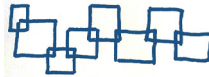
## 6. CHATBOT

Interface that facilitates dialogue between a service and a consumer



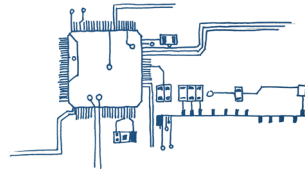
## 7. BLOCK CHAIN

Type of distributed ledger and functions as a decentralized database that is managed by computers belonging to a peer-to-peer network



## 8. CYBERNETICS

The science of communications and automatic control systems in both machines and living things



## 9. DATA MINING

Extracting relevant information from the Big Data



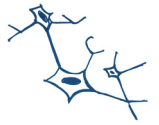
## 10. ARTIFICIAL INTELLIGENCE

New class of algorithms, parameterized from learning techniques. The instructions to execute are not explicitly programmed by a human, but generated by the machine that learns from data provided to it.



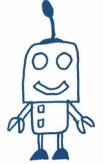
## 11. ARTIFICIAL NEURAL NETWORK

Set of algorithms that copy the biological neural network



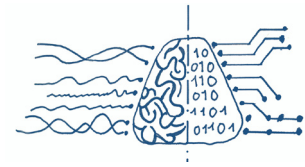
## 12. ROBOT

Term that designates an automaton capable of performing repetitive human tasks



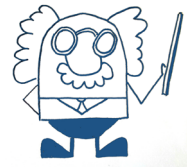
## 13. SINGULARITY

Critical tipping point where artificial intelligence of computers could exceed that of humans



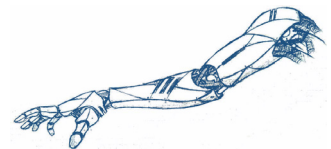
## 14. EXPERT SYSTEM

A computer system that uses explicit and organized knowledge in a particular field, and can replace a human expert



## 15. TRANSHUMANISM

Current thinking which advocates the use of technology to improve the physical and mental characteristics of human



**HAMZA DIDARALY**  
AI facilitator



**MATTHIEU LENTZ**  
AI facilitator