Machine learning

by JASVINDER SINGH

What are we going to learn in Machine Learning ???

1. Need of **ML.**

2. What is **ML** ?

   > some examples.

3. Advantages & Disadvantages.

4. Relation with **Artificial Intelligence (AI).**
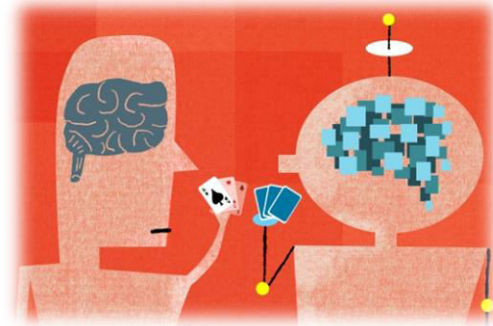
5. Current status & Future.

6. Question.

Need of Machine Learning ?

❑ Coined in **1959**.

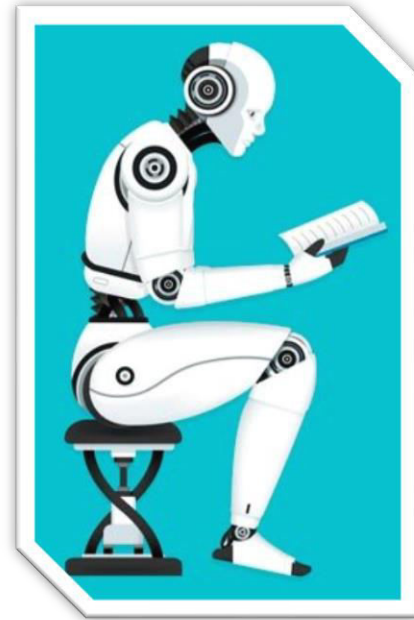❑ Solve **real world** problems & **Complexity**.

❑ Humans vs Machines.

What is Machine Learning ?

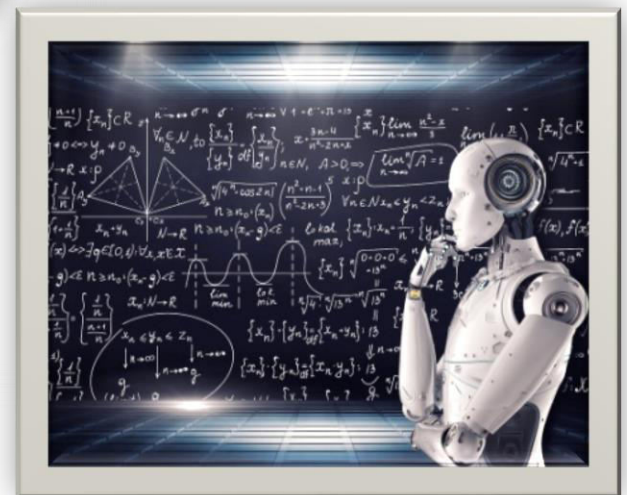❑ The process of making a **machine** learn a **specific task** without the involvement of a programmer.
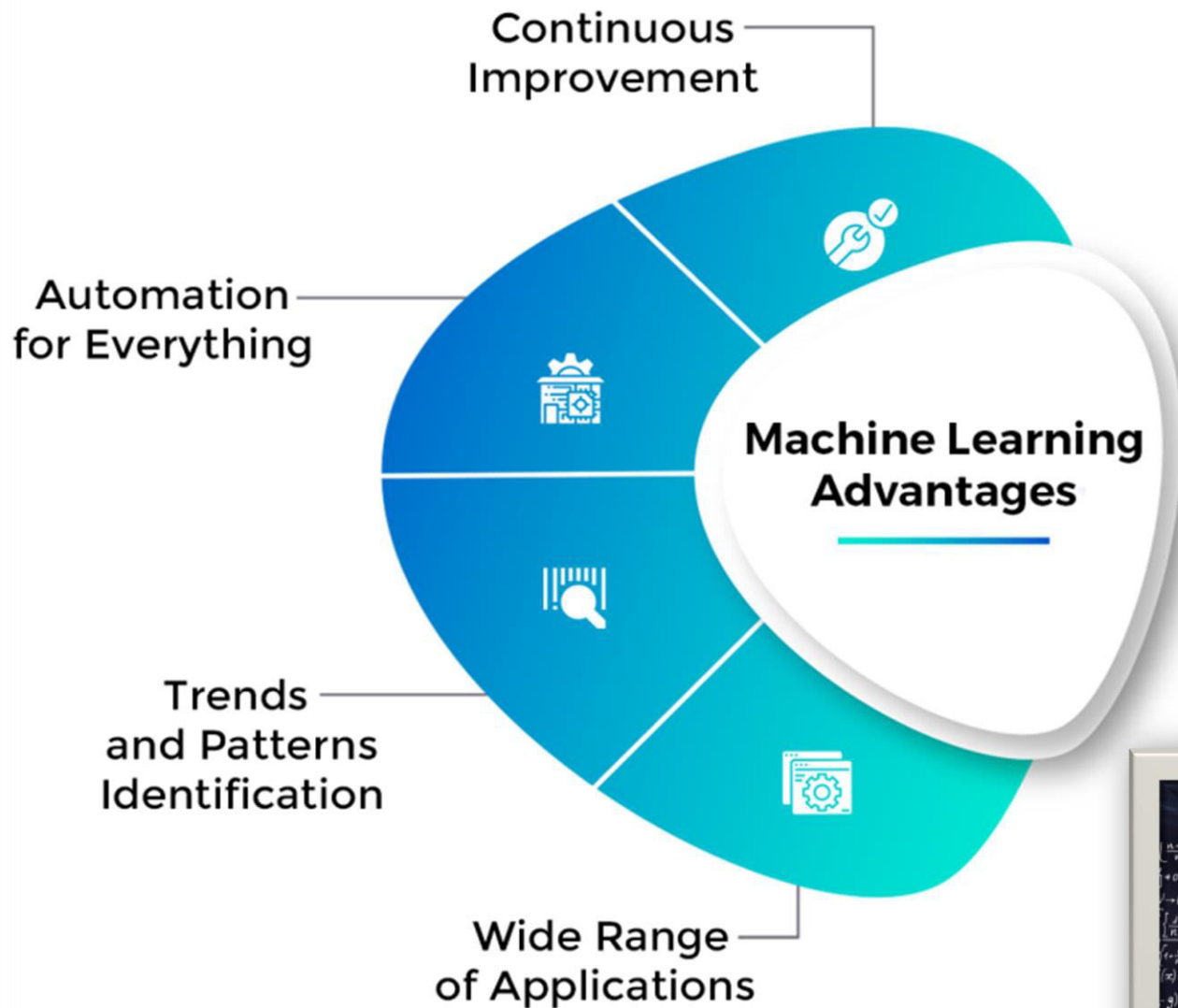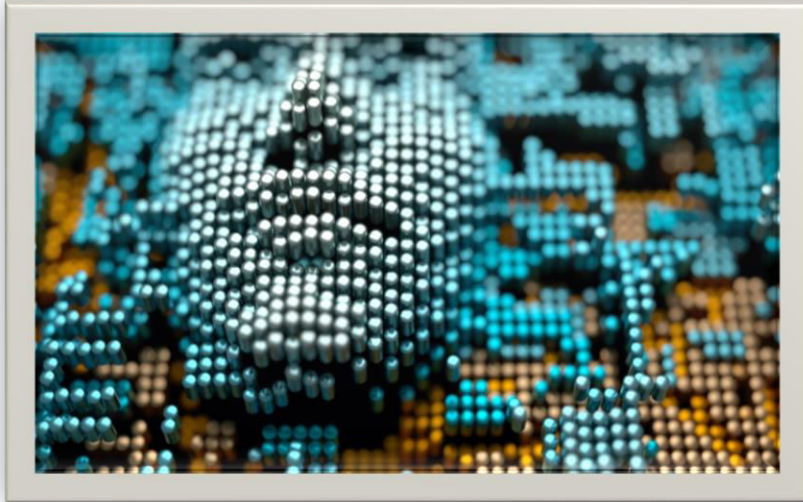
❑ Algorithm.

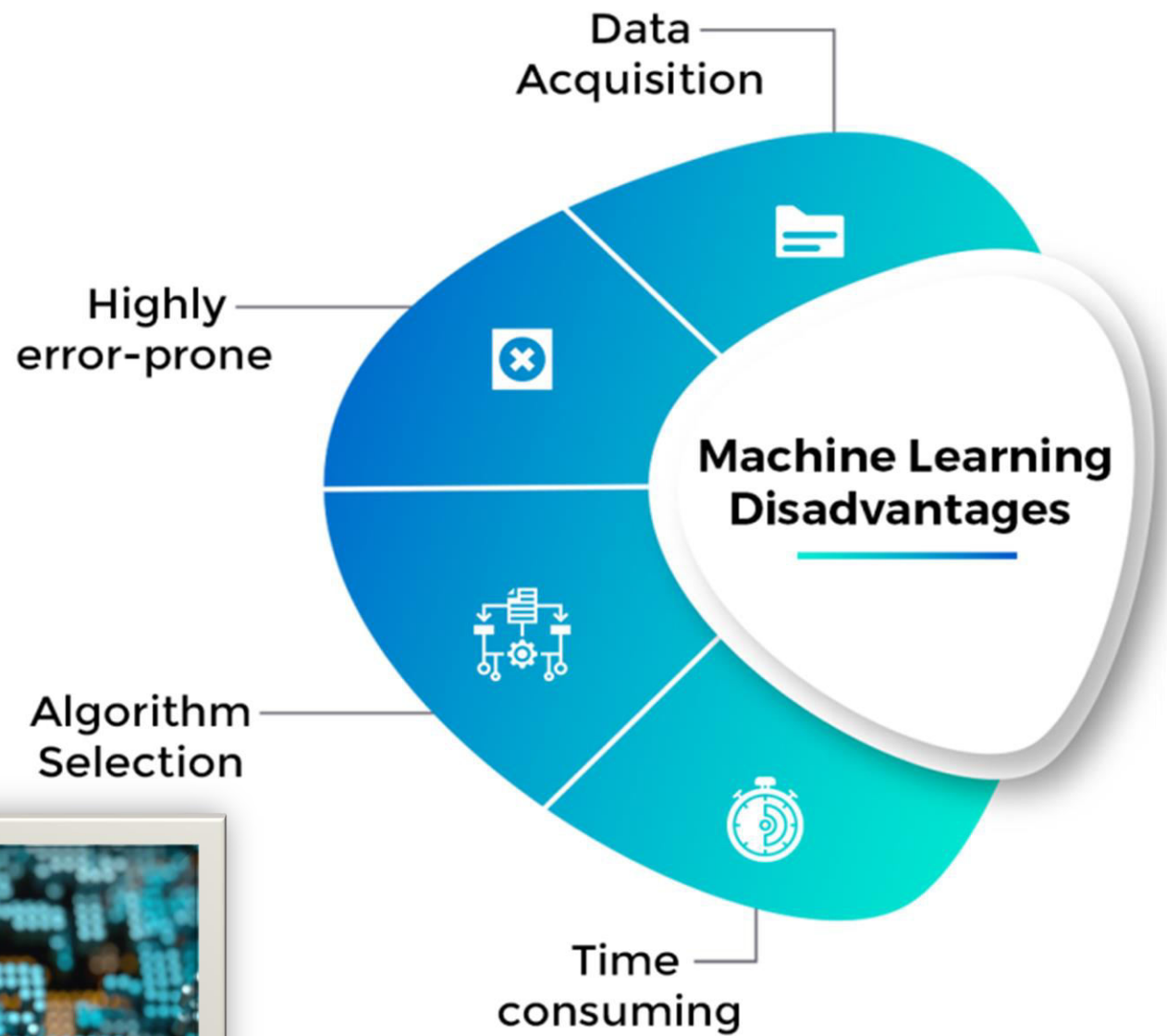❑ Pattern recognition.

Example 1 :

Example 2 :

Machine Learning Advantages

Continuous Improvement

Automation for Everything

Trends and Patterns Identification

Wide Range of Applications

Data
Acquisition

Highly
error-prone

Machine Learning
Disadvantages
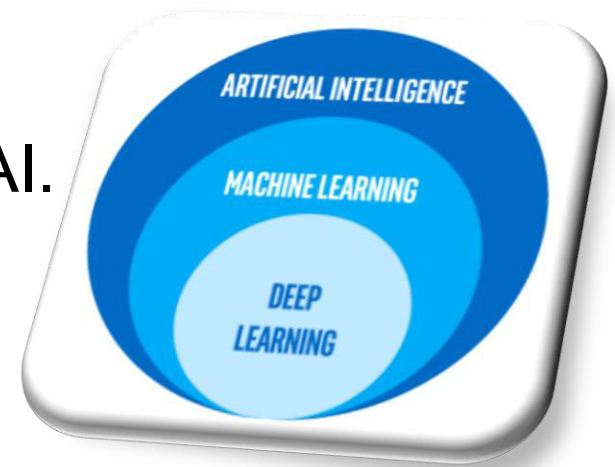
Algorithm
Selection

Time
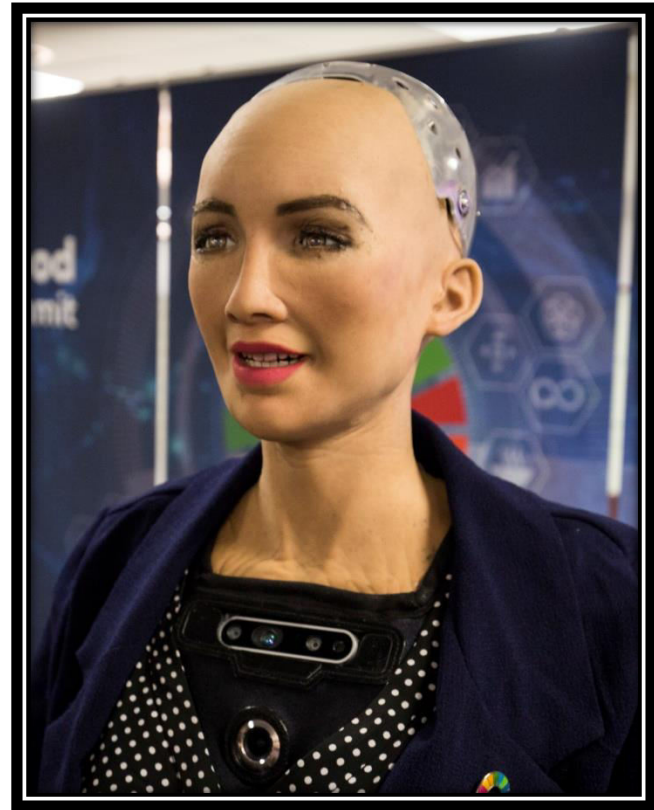consuming

Artificial Intelligence & Machine Learning

❑ **AI** refers to the simulation of **Human Intelligence** in machines that are programmed to think like **Humans** and **mimic** their actions.

❑ Machine Learning is a **subset** of AI.

ARTIFICIAL INTELLIGENCE

MACHINE LEARNING

DEEP LEARNING

Current status & Ahead

❑ New approach.

THANK YOU