

# Introduction to Machine Learning

Machine Learning (ML) is a branch of Artificial Intelligence that focuses on building systems that can learn from and make decisions based on data. ML algorithms allow computers to find hidden insights without being explicitly programmed where to look. There are various types of ML, the most common being supervised, unsupervised, and reinforcement learning.

Type	Description	Example
Supervised learning	Learning from labeled data	Email Spam Detection
Unsupervised learning	Learning hidden patterns in data	Customer Segmentation
Reinforcement learning	Learning with rewards and punishments	Chess Playing Bot

