

About AI

Artificial intelligence is a conglomeration of concepts and technologies that means different things to different people – self-driving cars, robots that impersonate humans, machine learning, and more – and its applications are everywhere you look. An AI is a computer system that is able to perform tasks that ordinarily require human intelligence. These artificial intelligence systems are powered by machine learning. Many of them are powered by machine learning, some of them are specifically powered by deep learning, some of them are powered by very boring things like just rules. The effects of AI will be magnified in the coming decade, as manufacturing, retailing, transportation, finance, healthcare, law, advertising, insurance, entertainment, education, and virtually every other industry transform their core processes and business models to take advantage of machine learning.

Supervised learning involves machine learning algorithms that learn under the presence of a supervisor. Learning under supervision directly translates to being under guidance and learning from an entity that is in charge of providing feedback through this process. Unsupervised learning is commonly used for finding meaningful patterns and groupings inherent in data, extracting generative features, and for exploratory purposes.

AI frameworks provide data scientists, AI developers, and researchers the building blocks to architect, train, validate, and deploy models, through a high-level programming interface. the CAHAI (Ad hoc Committee on Artificial Intelligence) has explored the reasons as to why a legal framework on the development, design and application of AI, based on Council of Europe's standards on human rights, democracy and the rule of law is needed.