

Elements of AI - MOOC :

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CHAPTER 1 - WHAT IS AI

In our very first section, we'll become familiar with the concept of AI by looking into its definition and some examples.

AI means different things to different people. For some, AI is about artificial life-forms that can surpass human intelligence, and for others, almost any data processing technology can be called AI.

Application 1. Self-driving cars:

Self-driving cars require a combination of AI techniques of many kinds: search and planning to find the most convenient route from A to B, computer vision to identify obstacles, and decision making under uncertainty to cope with the complex and dynamic environment. Each of these must work with almost flawless precision in order to avoid accidents.

The same technologies are also used in other autonomous systems such as delivery robots, flying drones, and autonomous ships.

Application 2. Content recommendation:

A lot of the information that we encounter in the course of a typical day is personalized. Examples include Facebook, Twitter, Instagram, and other social media content; online advertisements; music recommendations on Spotify; movie recommendations on Netflix, HBO, and other streaming services.

Application 3. Image and video processing:

Face recognition is already a commodity used in many customer, business, and government applications such as organizing your photos according to people, automatic tagging on social media, and passport control.