

# Artificial Intelligence (AI)

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**Artificial Intelligence (AI)** is any intelligence demonstrated by machines, in contrast to the natural intelligence displayed by humans and other animals. In computer science, AI research is defined as the study of “intelligent agents”: any device that perceives its environment and takes actions that maximize its chance of successfully achieving its goals.<sup>1)</sup> Colloquially, the term “artificial intelligence” is applied when a machine mimics “cognitive” functions that humans associate with other human minds, such as “learning” and “problem solving”.<sup>2)</sup>

Source: [https://en.wikipedia.org/wiki/Glossary\\_of\\_artificial\\_intelligence](https://en.wikipedia.org/wiki/Glossary_of_artificial_intelligence)

<sup>1)</sup>

Poole, Mackworth & Goebel (1998) which provides the version that is used in this article. These authors use the term “computational intelligence” as a synonym for artificial intelligence.

[https://en.wikipedia.org/wiki/Artificial\\_intelligence#CITEREFPooleMackworthGoebel1998](https://en.wikipedia.org/wiki/Artificial_intelligence#CITEREFPooleMackworthGoebel1998)

<sup>2)</sup>

Russell & Norvig 2009, p. 2.

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