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[][1]

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\* PhilosophyDefining artificial intelligenceEvaluating approaches to AISymbolic AI and its limitsNeat vs. scruffySoft vs. hard computingNarrow vs. general AIMachine consciousness, sentience and mindConsciousnessComputationalism and functionalismRobot rights

\* FutureSuperintelligence and the singularityExistential riskTranshumanism

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# Artificial intelligence

# Intelligence of machines or software / From Wikipedia, the free encyclopedia

# Dear Wikiwand AI, let's keep it short by simply answering these key questions:

Can you list the top facts and stats about Artificial intelligence?

Summarize this article for a 10 years old

SHOW ALL QUESTIONS

**Artificial intelligence** ( **AI** ) is the [intelligence][2] of machines or software, as opposed to the intelligence of human beings or animals. [AI applications][3] include advanced [web search][4] engines (e.g., [Google Search][5]), [recommendation systems][6] (used by [YouTube][7], [Amazon][8], and [Netflix][9]), [understanding human speech][10] (such as [Siri][11] and [Alexa][12]), [self-driving cars][13] (e.g., [Waymo][14]), [generative][15] or [creative][16] tools ([ChatGPT][17] and [AI art][18]), and competing at the highest level in [strategic games][19] (such as [chess][20] and [Go][21]).[1]

Intelligence of machines or software

Part of a series on

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Artificial intelligence was founded as an academic discipline in 1956.[2] The field went through multiple cycles of optimism[3][4] followed by disappointment and loss of funding,[5][6] but after 2012, when [deep learning][35] surpassed all previous AI techniques,[7] there was a vast increase in funding and interest.

The various sub-fields of AI research are centered around particular goals and the use of particular tools. The traditional goals of AI research include [reasoning][61], [knowledge representation][62], [planning][26], [learning][30], [natural language processing][31], [perception][63], and support for [robotics][64].[lower-alpha 1] [General intelligence][25] (the ability to solve an arbitrary problem) is among the field's long-term goals.[8] To solve these problems, AI researchers have adapted and integrated a wide range of problem-solving techniques, including search and mathematical optimization, formal logic, [artificial neural networks][65], and methods based on [statistics][66], [probability][67], and [economics][68].[lower-alpha 2] AI also draws upon [psychology][69], [linguistics][70], [philosophy][71], [neuroscience][72] and many other fields.[9]

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