





What is Al?

Ontologies

Taxonomies

Data Fabric

Explainable Al

Authentic Al

Machine Learning

Deep Learning

Data Management

Vocabularies

Schemas

Resource Description Framework

Web Ontology Language

Pattern Recognition

Natural Language Processing

Semantic Models

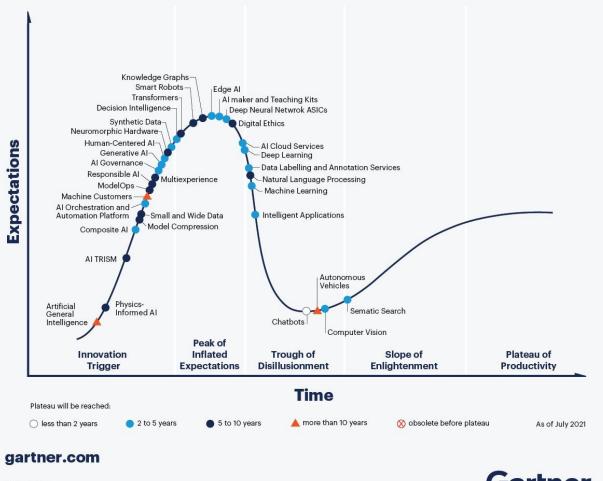
Knowledge Reasoning

"artificial intelligence"

"assisted intelligence"

"advanced algorithms"

Hype Cycle for Artificial Intelligence, 2021







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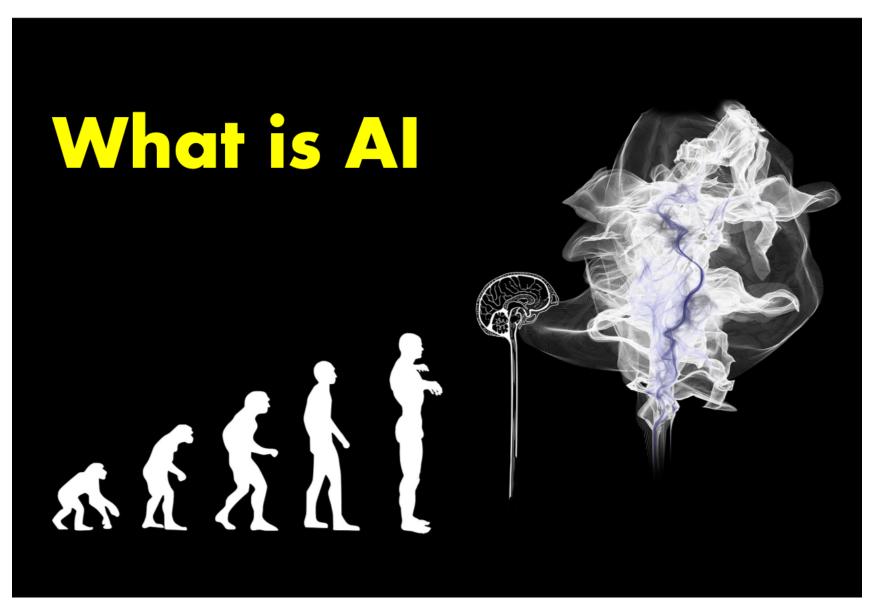
What is Artificial Intelligence?

There's an automatic association between Al and sci-fi. When people think of artificial intelligence, they tend to think of the Terminator, Data from Star Trek, HAL from 2001, etc. These represent a very specific form of Al known as Artificial General Intelligence also known as Strong Al) a digital form of consciousness that can match or exceed human-like performance in any number of metrics. An AGI would be equally good at solving math equations, conducting a humanlike conversation, or composing a sonnet.

Currently, there is no working example of an AGI, and the likelihood of ever creating such a system remains low. Attempts to create AGIs currently revolve around the idea of scanning and modeling the human brain, and then replicating the human brain in software. This is a sort of top-down approach – humans are the only example of working sentience, so in order to create other sentient systems, it makes sense to start from the standpoint of our brains and attempt to copy them.

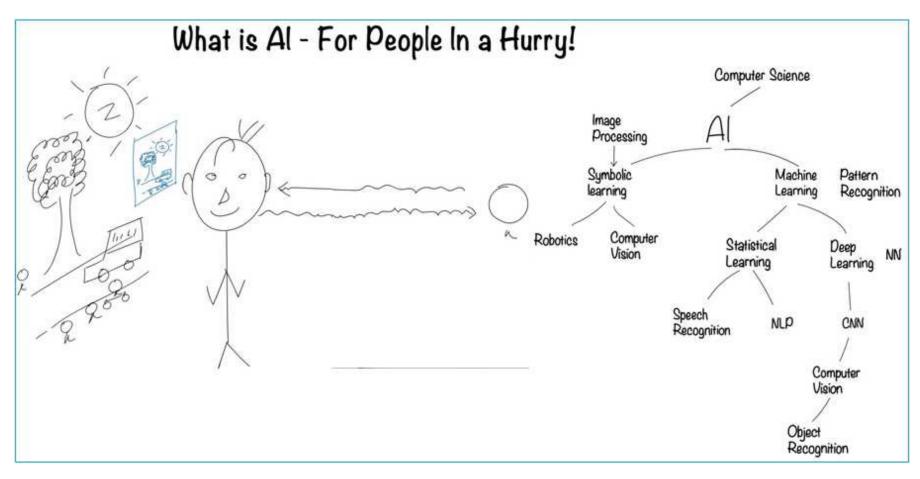
If you take the bottom-up approach, you end up with what's known as Narrow or Weak Artificial Intelligence. This is the kind of AI that you see every day – AI that excels at a single specific task. AI powers apps that help you find music to listen to, tag your friends in social media photos, etc. Behind the scenes, it may help protect you or your company from fraud, malware, or malicious activity.



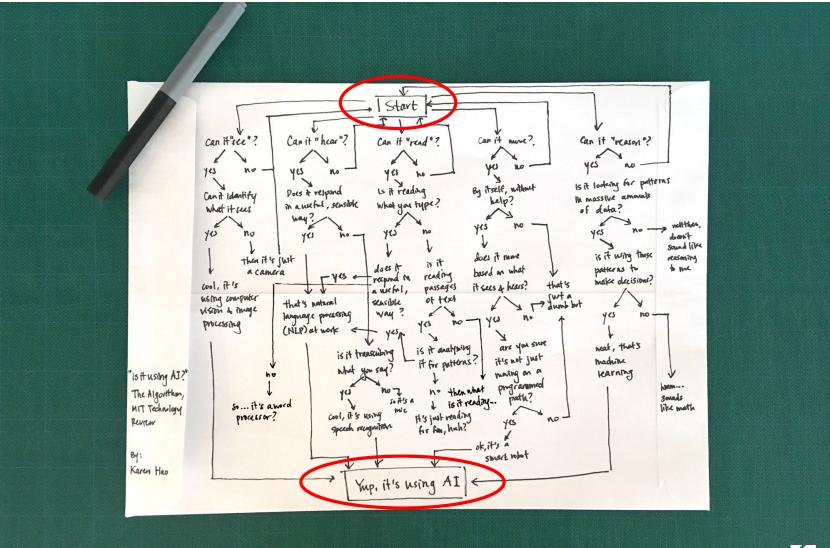






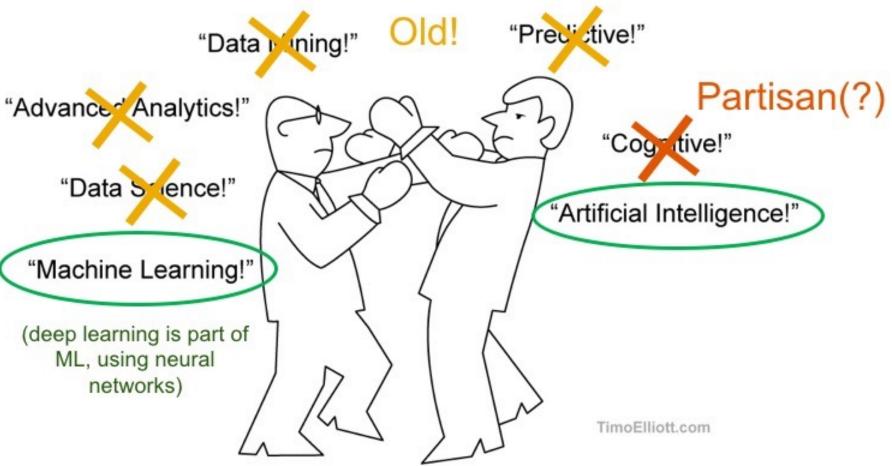


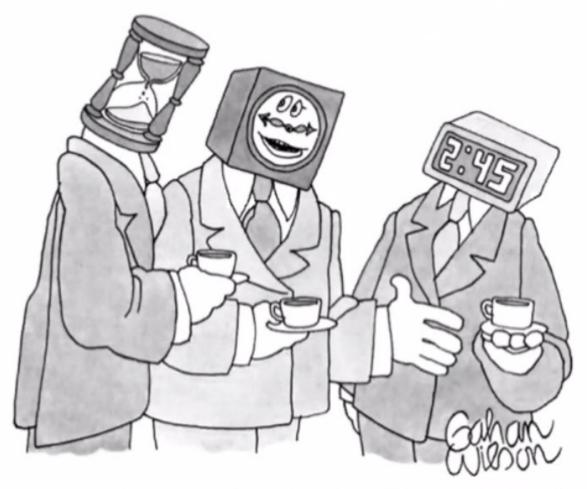
8 Important Definitions of Artificial Intelligence

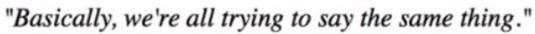














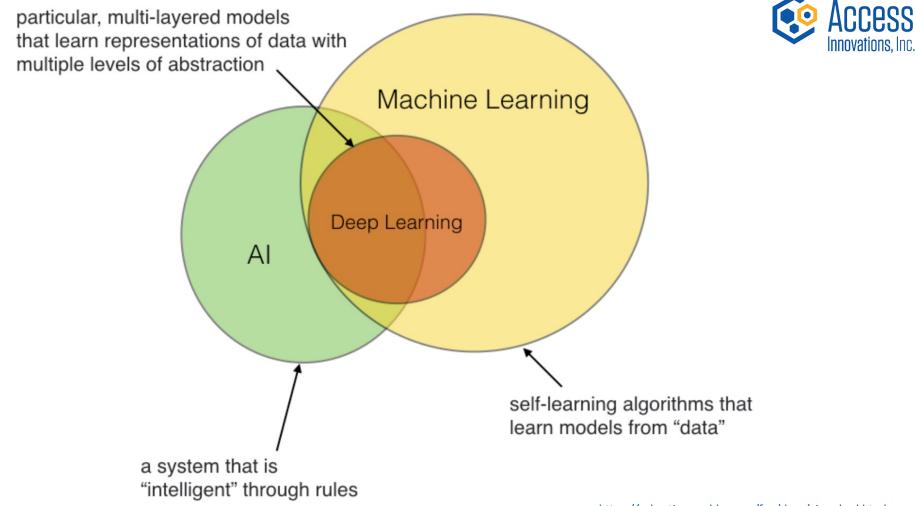
Definition of AI







The Oxford Dictionary defines Artificial Intelligence (AI) as the theory and development of computer systems able to perform tasks normally requiring human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.



https://sebastianraschka.com/faq/docs/ai-and-ml.html







"As discussions on AI increase, so does the hype—and therefore the confusion—surrounding it."

https://www.buchmesse.de/files/media/pdf/White Paper Al Publishing Gould Finch 2019 EN.pdf



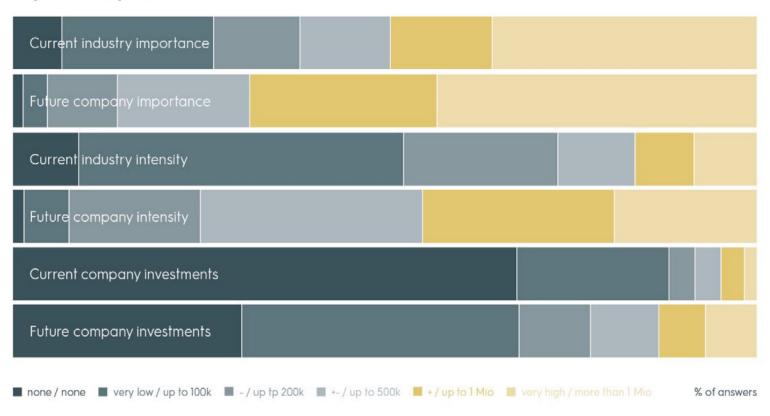
Automated Reporting
Reformatting of Articles
Text Auto-Tagging
Content Translation
Content Moderation
Chat Bots
Content Personalization
Predictive Analytics
Image Recognition



- Comprised from the findings of over six months of research
- International survey of ~300 participants, plus interviews and conversations with industry professionals,
- CEOs, editors and representatives across different functions
- Joint effort between Frankfurter Book Fair and management consultancy Gould Finch



Expected impact of AI



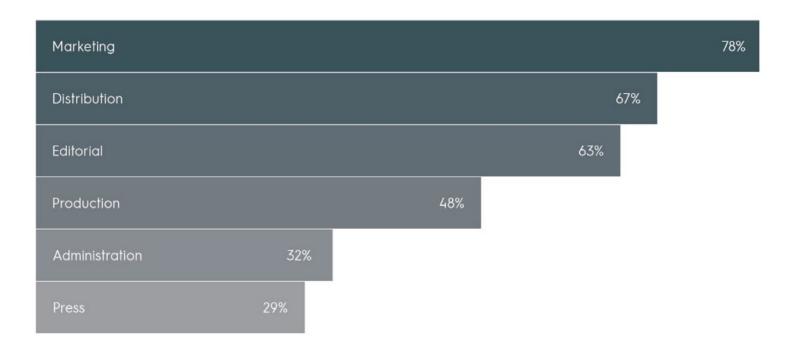


Challenges for the implementation of AI solutions





Departments that are expected to benefit from the use of AI



Departments that are expected to benefit from the use of Al







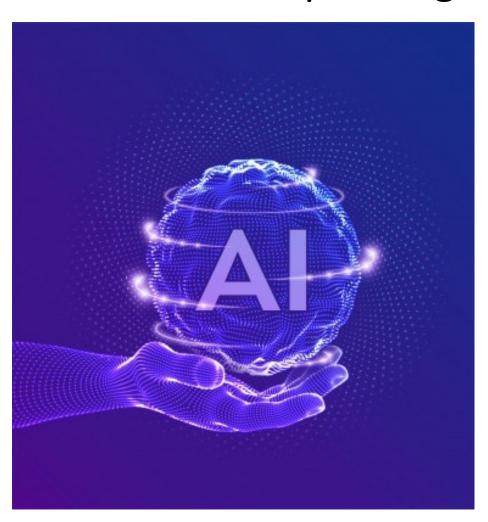
Is AI Explainable?





Factors for Explaining Al





- ✓ Understand your audience
- ✓ Communicate vision
- ✓ Context to automation
- ✓ Early adoption
- ✓ Incremental implementation
- ✓ Minimal investment for ROI
- ✓ Verify results

