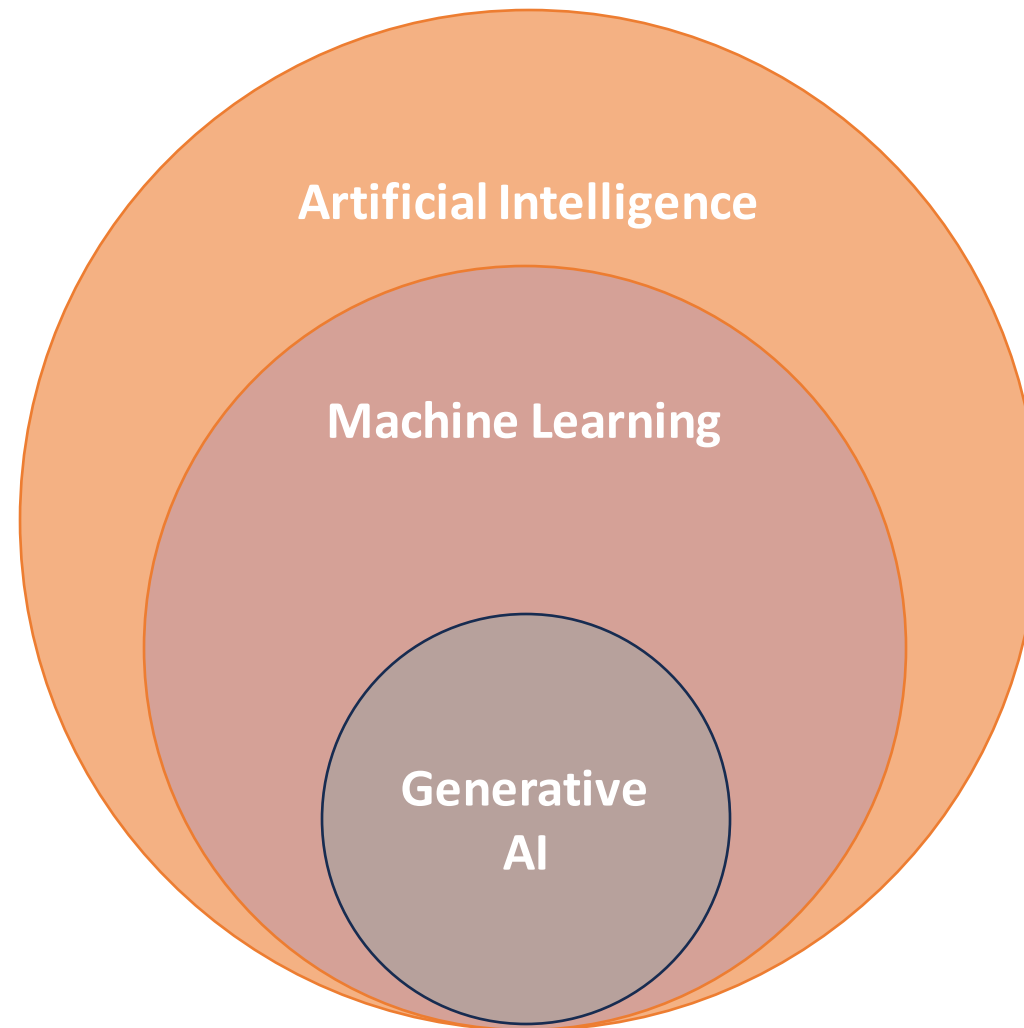


Demystifying Terminology



Artificial Intelligence



1950s-1970s

Neural Networks

Early work with neural networks stirs excitement for "thinking machines."



1980s-2010s

Machine Learning

Machine learning becomes popular.

Credits: [SAS](#)



Present Day

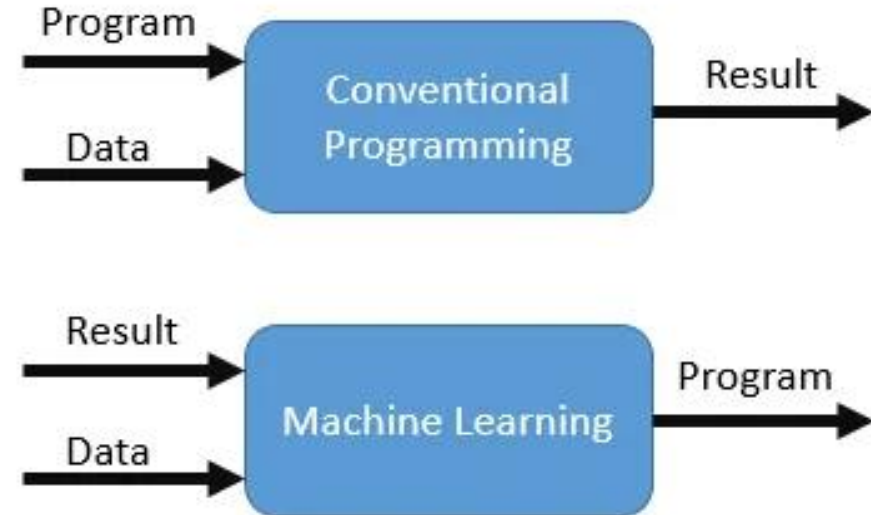
Deep Learning

Deep learning breakthroughs drive AI boom.

Wikipedia: Artificial Intelligence is the ability of machines to perform tasks that are typically associated with human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.

Machine Learning

Machine Learning is the ability to learn from new data without giving explicit instructions.



Image

Credits: ai.plainenglish.io

Generative artificial intelligence (AI)

- **Generative AI means a model designed to reproduce and interpolate from a given input**

- Images: DALL-E 2 (Open AI), Midjourney, Stable Diffusion
- Audio and voice: Audiocraft, VALL-E
- Video: various
- Text: ChatGPT (OpenAI), Bard (Google), Sydney (Bing)



- **Conversational AI**

- A large language model fine-tuned with reinforcement learning to generate specific types of responses one might find in a human-human interaction (e.g., ChatGPT, Bard, Sydney)

Demystifying Terminology

