

## Artificial Intelligence

Any program that does something that we would think of as intelligent in humans.

AI is defined by the application of the technology rather than the technology itself. What is considered AI may change over time.

## Cognitive Computing

Specifically simulating the perception and reasoning aspects of human intelligence:

- Natural-Language Processing
- Text or speech
- Chatbots
- Artificial image or video



## Machine Learning

Any program that improves its performance through experience rather than explicit programming.

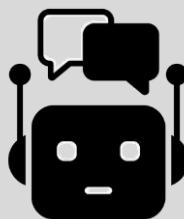


## Deep Learning

Machine learning based on multi-layer neural networks

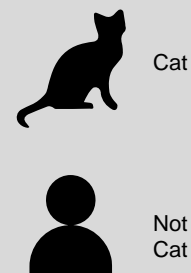
### Technologies

#### Generative



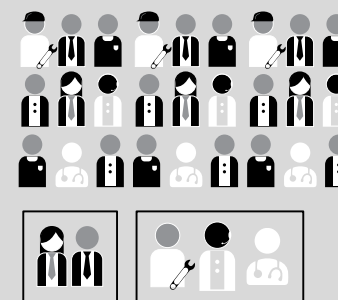
Generate new text or visuals

#### Supervised



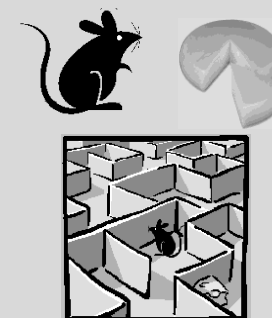
Learn specific patterns

#### Unsupervised



Discover new patterns

#### Reinforcement



Learn by reward / mistake