

Class Discussion and Assessment on Topic #1: What is AI? How Can We Recognize It?

Topic 1A: What is AI?

- The science and engineering of making intelligent machines, especially intelligent computer programs.¹
- Practical definitions and use
 - Machine learning vs. deep learning
 - GPS, Grammarly, predictive text, ChatGPT
- How AI generates responses to prompts
 - Natural Language Processing; Machine Learning, large datasets
- AI generates based on accumulated data; it does not create. It can blend but cannot generate a novel response.
 - <https://ecraft2learn.github.io/ai/>
 - <https://viso.ai/deep-learning/ml-ai-models/>

1. What is Artificial Intelligence? John McCarthy Stanford University 2007

Topic 1B: How Can We Recognize It?

- Just like AIs utilize pattern recognition, humans are very capable of noticing patterns too. Seeing many examples of AI work hones our senses to recognize non-human responses/blending.
 - Literary forensics
- Quiz to Recognize AI-generated responses
 - <https://roft.io/>
- AI Detection Software?
 - Curiously, AI is not very good at distinguishing AI work.
 - <https://copyleaks.com/ai-content-detector>
 - <https://gptzero.me/>
- As the field progresses, AIs and humans will get better at recognition

Assessment #1

- Short quiz administered through Canvas
 - A: questions about what AIs do and how they are developed
 - B: evaluate writing as AI- or human-generated

Assigned Reading

- [What is Artificial Intelligence? John McCarthy Stanford University 2007](#)