

Defining Intelligence for AI

Spencer Rhoden





Definitions

What makes some one/ thing intelligent?

We Don't Know



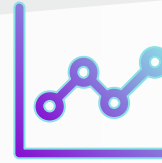
Learning

Ability to learn new concepts.



Emotional

Ability to perceive and react to emotion



Patterns

Ability to recognize complex patterns



Knowledge

Ability to store and use knowledge



Creativity

Ability to form ideas & vision



Planning

Ability to prepare for the future




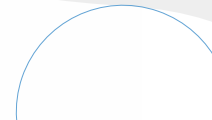
I.Q.

VS

E.Q.



- A measure of a person's relative intelligence
- Measures and markers
 - Logic ability
 - Use of numbers and words
 - Ability to process data

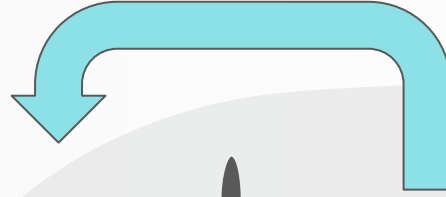
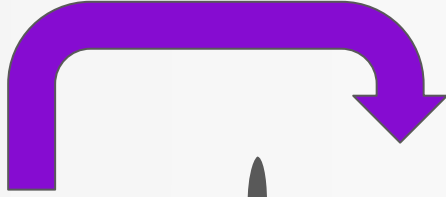
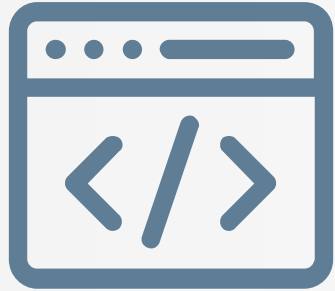
- The ability to identify and manage your emotions and the emotions of others
 - Internal Markers
 - Self-awareness
 - Self-regulation
 - Motivation
 - External Markers
 - Self-awareness
 - Self-regulation
- 
- 

Intelligent Agents

Defined as a **program** that can make **decisions** or perform a service based on its **environment**, **user input**, and **experiences**.



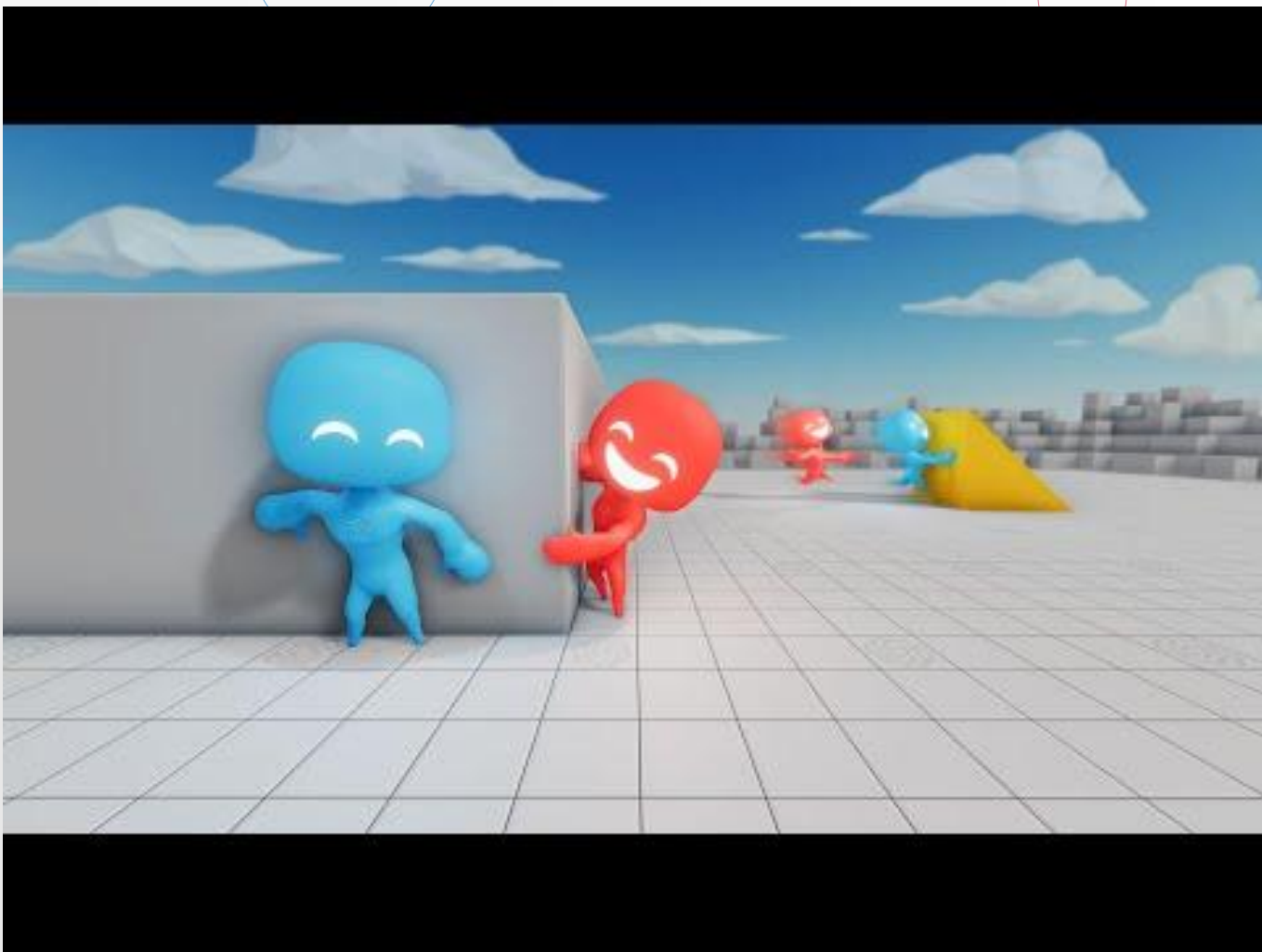
Turing Test





Examples

Where do you see intelligent AI apps in your life?

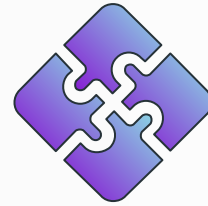


OpenAI's CodeX (Patterns)



Large “Neural Network”

Essentially a digital brain, it has more of a IQ focus



Concrete VS Abstract

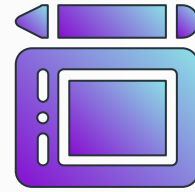
This is where this breaks down.
Take “Hello world with Empathy”
for example

Moxie - Embodied Inc. (Emotional)



Human and AI co-development

Helps with development, but
can also hinder further
development with humans



Gamification

Helps build communication and
social skills into games or
“Missions”



Missing Part?

What do you think the gap is between human and AI intelligence?

Consciousness



References

Clark, Dave. "Important Distinctions between EQ and IQ." *TTI Success Insights Blog*, blog.ttisi.com

Contributor, TechTarget. "What Is Intelligent Agent? - Definition from Whatis.com." *SearchEnterpriseAI*, TechTarget, 21 Feb. 2019, searchenterpriseai.techtarget.com

In a Nutshell, Kurzgesagt. "The Origin of Consciousness." *Youtube.com*, 2019, www.youtube.com

Lu, Clara. "Why We Are Still Light Years Away from Full Artificial Intelligence." *TechCrunch*, TechCrunch, 14 Dec. 2016, techcrunch.com

OpenAI. "Multi-Agent Hide and Seek - YouTube." *Youtube.com*, 2019, www.youtube.com

Russell, Stuart J, Peter. Norvig and Ernest. Davis, Artificial Intelligence: A Modern Approach. Upper Saddle River, NJ: Prentice Hall, 2010.

Zaremba, Wojciech. "OpenAI Codex." OpenAI, OpenAI, 2 Sept. 2021, openai.com/blog/openai-codex/.