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CSC 380

Lab 1

Defining Intelligence

1. What is intelligence?

From MIRI (Machine Intelligence Research Institute) – Intelligence is a measure of efficient cross-domain optimization. Cross-domain just means covering a wide variety of environments. Optimization is an agent’s ability to achieve goals according to its preferences.

<https://intelligence.org/2013/06/19/what-is-intelligence-2/>

Realm: Science

Encyclopedia Britannica - An ability to adapt effectively to the environment, either by making a change in oneself or by changing the environment or finding a new one . . . intelligence is not a single mental process, but rather a combination of many mental processes directed toward effective adaptation to the environment.

<http://www.vetta.org/documents/A-Collection-of-Definitions-of-Intelligence.pdf>

Realm: Academia

American Psychological Association - Individuals differ from one another in their ability to understand complex ideas, to adapt effectively to the environment, to learn from experience, to engage in various forms of reasoning, to overcome obstacles by taking thought.

<http://www.vetta.org/documents/A-Collection-of-Definitions-of-Intelligence.pdf>

Realm: Psychology

1. Based on the third definition, I can see intelligence in this poem. This poem shows signs of understanding complex ideas, and being able to learn from an experience. Learning is the backbone of human intelligence. Being able to learn through any experience is what I believe that makes us intelligent.

Word entered: dream

“The dream of the world, the altar, Create and carry forth the stars of the wind,”

There doesn’t seem to be any surface level intelligence. The longer you ponder intelligence, the easier it becomes to convince yourself of it.

1. DeepText is an AI tool which was designed to understand and interpret the language. The main struggle that DeepText is encountering is that there is not a precise definition of bullying. Bullying could be hinging on an inside joke or how well two people know each other. This is known as contextual. The seven subcategories that bullying has been broken down into are: insults, shaming, threats, identity attacks, disrespect, unwanted contact and betrayals. I think this is 100% necessary. Even though the AI is still in an early stage, our society’s mental health is at an all-time low, mostly due in part to the social media explosion. This approach seems like a no-brainer assuming were able to train a model well enough to perform to our standards.
2. One huge potential negative effect of recent AI technologies is for our society to become technology dependent. This doesn’t relate to one specific technology more than another, but if, as a society, we begin to depend more on machines than ourselves, this can lead us to a highly individualist society; A society where personal relationships take a backseat to convenience.

Another concern for many in our society is the effect of AI technologies on our current job market. With the speedy advancement of this technology, more and more jobs are being replaced with machines.