Joshua Brown

October 8, 2018

Kennedy

As the world expands through the abilities of computers, it seems as if computers are becoming more intelligent. When computers were first developed they would only do what was programmed to the computer. Computers are now thinking and learning, which is a reality everybody must see and may hold a key into future innovation.

Let’s begin by understanding how humans think, humans store data in their brains such as memories. Memories that can be referred to anytime a person wants to. Not only can we remember data, but we can analyze and create something that has never been created before. Lastly, humans can communicate in any language and we can learn from our mistakes to become more intelligent. This is thinking, and my point is you must be able to store data to think. You must have some background information to know what you’re talking about. A computers main job is to store data, so you don’t have to, and that’s where our conversation begins.

The Turing test was a test developed by Alan Turing to see if a machine could think in a manner indistinguishable from a human. I do agree that if a machine were able to fool me I would say machines are at the same level of thinking as humans. But what drives machines to do that and how do they do reach that level of thinking. For an example we will use a machine learning about a human. It all starts with the computer storing data, key phrases and words that tend to be used a lot by the person. By counting how many times these phrases or words occur the more the machine is likely to use them. Now many people could make the argument that the machine is learning, which it is. Now, isn’t that the same idea as humans learning something knew. When I hear a knew word I don’t just completely forget about it, I tend to use the word more often and then it eventually becomes part of my vocabulary. Humans and computers are doing the same thing and because of that the Turing test will always stay relevant.

The next step of artificial intelligence is how a computer can communicate with a human. Is it able to use similes, metaphors, and correct grammar? Just like before the computer can use the data it stores and produce what it thinks is a correct sentence and probably usually is. Communicating is the single most important skill humans possess and if a computer can communicate it has no limits. Since computers can store unlimited amounts of data if needed it can learn and remember everything it has ever heard and become smarter than humans. While I don’t think this will happen it is just to show you the capabilities of computers and to see they are more like the human brain than we all think.

Humans and computers aren’t so different after all and after comparing the two you can see that artificial intelligence is real and even growing. Computers can learn and adapt to who they are talking to. The Turing test is built off that fact and will always be relevant for as long as computer are around.

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With the development of Artificial Intelligence, they are always positives and there are always negatives. With the beginning of artificial super intelligence being developed we must make sure that all ethical issues are taken care of before these programs are released. Ethical issues such as a racist program, cybersecurity, and military usage.

The goal of artificial intelligence is to one day have a self-sustaining program that can learn and adapt to whatever it need be. But sometimes that doesn’t always work out the way it should. For example, last year Microsoft installed a chat bot onto their twitter page that would respond to people for them. Well it only took a day for the chat bot names Tay to become a racist and be shut down. It turns out that were saying racist remarks to the chat bot and Tay was relaying those phrases back onto twitter users. While most of the racist comments Tay made were relayed to her first, Tay came up with her own racist sentence as well. While some people may find this as funny it is not ethical. For a business-like Microsoft it is embarrassing to have to come out and say sorry for a program someone wrote. Racism is a big issue for AI and so is cybersecurity and stealing information.

Artificial intelligence can help prevent against cybersecurity attacks but there is always one problem with these programs. The problem is that nobody knows how well of a job a program can do protect everyone’s privacy. If you create an account on target.com your account should always be private, and nobody should be able to get your credit card numbers. While this does happen with out AI, there is a high chance that it does without extensive more years of testing of these programs. Another problem with these programs is that they are usually similar and if one program is hacked into, then the other probably won’t be far behind. The problem here is not that the program is hacking somebody else but that its not protecting everyone it should be.

The military has done a great job integrating AI into their family and it has saved a lot of lives. But at the same time these programs are weapons and take lives as well. These robots that are created are mad to go check if there is a bomb or any other scene like it. But when a robot short circuits and kills five on lookers who have done nothing wrong. This is not the fault of the robot, it would be the fault of the United States and cause more people to hate this country. Killing people isn’t ethical and by creating programs that are specifically created for this field is dangerous all around. Learning and adapting is what makes artificial intelligence so unique and is also why it is considered dangerous to a lot of people.

Artificial intelligence is unique in the fact that it can learn and adapt to what it needs to. Tay learned and adapted to what she was receiving from people tweets and then recreated those phrases to communicate with other people. It is the ability to adapt and learn that makes artificial intelligence scary.

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