CSCI 3202

Assignment 4

Zhengwu Yuan

03/13/2019

AI Regulation

Ke Jie is a Chinese professional Go player of 9 dank ranks. As of 2 October 2017,

he is ranked number one in the world under Chinese Weiqi Association's, Korea Baduk

Association's, Japan Go Association's and Rémi Coulom's ranking system and has continuously

held the ranking about 40 months since late 2014 [1]. Why was a talented best Go player crying

when playing against AIphaGo? He was lost entirely to AIphaGo, was a computer program that

plays the board game Go and was developed by Alphabet Inc.'s Google DeepMind in London

[2]. It wouldn't be hard to imagine how it was felt like to lose to a program without the actual

ability to think as the number one Go player of the world. Once before, he was confident that he

could beat AlphaGo but things turned around, AlphaGo win was by a narrow margin, but

AlphaGo has been programmed to ensure victory, not to run up the score or devastate its

opponent, so the margin by which it wins isn't necessarily a good indicator of how easy or hard

it was for the computer player to win [3]. In this scenario, the problem that was solved here is the

confusion of whether AI will be smarter than human and now we had an answer, that AI beat the

best Go player in the world could potentially mean that AI will one day be more intelligent than

human and take over the human. Perhaps that is one of the reasons when people say AI should be

regulated. I think that AI should not be restricted because AI won against human doesn't mean

it's smarter than human, but a program that is trained to predict all the solutions ahead of time

and make the best move against the human. AlphaGO didn't have brains as we do; it is just a program do the best move against current and not thinking about what is the best step next as human do.

AI involved in this scenario is AlphaGo, a computer program that plays the board game Go. There is not a human solution since Ke Jie has held the rank of best Go player continuously over 40 months and no one has beaten him. And once AlphaGo comes out to the stage, he wasn't the one demonstrate the world anymore. AlphaGo has proved the world that AI can do as good as human do. Maybe not think as human but can finish the task better than human in an alternative way.

Ethical considerations of this scenario are that this isn't indeed an ethical issue that implies AI should be regulated. Even if AlphaGo has proved that AI couldn't beat a human, it only means AI could do better than human and could be helpful with further development. The fact that AI is a program and will be a program eventually. Even if they might be doing the same thing as we human do and better than human, they aren't going to have actual thinking and take over human forever. Utilitarian approach of AlphaGo will provide the most good for humans in the way of convincing our life, but there isn't actual harm that AlphaGo brought to us. Maybe there is a little that hurt the best Go players feeling and in another way AlphaGo encouraged Ke Jie not to be ignorant and keep practicing and also promote all other Go player that Ke Jie is not undefeated as long as they stay hard working. Rights approach of AlphaGo protects moral rights because this wasn't developed to win a reputation over the world but a new technology that's showing how strong AI is. And it wouldn't hurt any other Go player since eventually we only admit the best player who beat the rest of the players. Justice approach of AlphaGo is also treated

other Go player equally, I believe that every professional player now has the same goal to be a better player. The common good approach of AlphaGo that brings the entire community a good sign of the technology of the world is now on track, and with future development, the more and more high-tech products will be produced to benefit the world. Virtue approach of AlphaGo for me is to make me realized that as a computer science major, I should focus myself more on AI and help to develop this technology in the future. And I will be that one who is part of the contributor of AI to benefits the world.

Implications of this case study on AlphaGo has given both a positive impact on the future. As a positive impact, with the development of AI, more and more technology will come to our life and make our life more convenient. I can foresee in the future, the ethical debate on this of whether we should keep developing the AI or we call it AI regulation since they are already stronger than human and have the potential risk of taking over us. And this is a representative case study, the ethics in AI whether it will result in a good or bad impact on the society. As long as we explain it clear about how AI works, those who doubted AI was taking over us will no longer believe so. And they wouldn't be supporting AI regulations anymore. As I said, this is a representative case study because it brought us to see two sides of developing AI. Not only it will be beneficial to humanity, but not be harmful to human as long as we acquired it in the right approach.

In conclusion, artificial intelligence is not equal to anthropomorphic intelligence. Just like an airplane doesn't need actual wings from bird to fly, AI can show intelligence without simulating the human brain. The AI regulations should never be admitted since behind the scene is the extensive learning of the machine that allows the program to exceed the proficiency that

humans can ever achieve. We can expect more and more application that comes out with the continued development of AI. The matter of the fact that AI is a treasure, the real gold that shines our life, even if a small country gives up the development of AI technology. Scientists and engineers who pursue their dreams will not give up. And AI regulation will finally disappear in the sea.

References

[1] Anon. 2019. Ke Jie. (February 2019). Retrieved March 15, 2019 from https://en.wikipedia.org/wiki/Ke_Jie

[2] Anon. 2019. AlphaGo. (March 2019). Retrieved March 15, 2019 from https://en.wikipedia.org/wiki/AlphaGo

[3] Darrell Etherington and Darrell Etherington. 2017. Google's AlphaGo AI beats the world's best human Go player. (May 2017). Retrieved March 15, 2019 from https://techcrunch.com/2017/05/23/googles-alphago-ai-beats-the-worlds-best-human-go-player/