

Artificial intelligence risks to humans

Student name/ Rakan Fahad Aloufi

University ID number/ 2021205012

Graduation Project – 1

Faculty of Management - Midocean University

Supervisor

Dr. Mona Moustafa Elashry

Faculty member- Faculty of management- Midocean University

1 st Semester- 2024

Introduction

During the past five decades, the dangers that many people were warning about were population explosion, the decrease in natural resources and minerals, environmental pollution, and the possibility of a nuclear war. However, today, with the tremendous development in the level of technology and its applications, the matter has turned to other dangers. Robots whose intelligence will reach a degree that allows them to outperform humans, especially with artificial intelligence capabilities, or devastating computer viruses that stop the Internet from working. Artificial intelligence is the new fad that is being talked about in all fields.

A research paper issued by experts in artificial intelligence in industrial and academic fields, entitled “Harmful Use of Artificial Intelligence: Prediction, Prevention, and Mitigation,” warned that this sector will negatively affect the human race and will at some point lead to serious damage to several sensitive aspects of its life. The study considered that “dual use” and the ability of technical devices to make thousands of complex decisions per second can be used in both extremes, either to benefit or harm people, and this depends on the person who designs the system. The experts took into account the uses of artificial intelligence that currently exist or that could be developed during the next five years, and were then divided into 3 groups: digital, physical and political.

Machines equipped with special capabilities will reach levels of intelligence that exceed human levels, enabling them to make decisions independently, without referring to any human reference. Google recently appointed an ethics council to deal with deceptive issues related to artificial intelligence and help the company confront criticism related to its deals in this field. However, in less than a week, this council began to disintegrate amid resignations from a number of its members, which could pose a threat to Google's chances of winning more military cloud computing contracts.

A number of council members, including behavioral economics expert Alessandro Acquisti, announced that he would not continue in his duties assigned to him by Google. today, a number of employees at Google began submitting a petition to the company to oust more members of this council, amid strong opposition to the technology company's involvement in military contracts to develop weapons with artificial intelligence.

The risks of AI are great, but the use and growth of these tools is also inevitable, as the benefits go beyond simple efficiency gains and include a fairer decision-making scenario when algorithms are trained to avoid bias, while also increasing our understanding from a risk management and auditing perspective, where we should look for the key to advantage. In artificial intelligence systems. Control and governance of AI must take precedence over algorithms and efficiency. We all have a responsibility to learn more about AI risks and control those risks. The topic is not going away. Risks will continue to grow and change as the technology becomes more advanced and widespread.

Research problem

If something has a bright side, then in parallel, it also has a dark side. Likewise, artificial intelligence also has some drawbacks. Although AI is one of the most popular and demanding technologies around the world, it still has some drawbacks and problems.

The theoretical gap 2.1:

You need to produce new AI-powered software at a financially significant cost, as well as update existing sports software to keep up with the latest requirements, in addition to the cost of repair and maintenance. Robots are one of the applications of artificial intelligence, and they have begun to replace humans in some jobs. Likewise, for artificial intelligence applications for various writing, image editing, etc., starting from jobs, it should not appear in those digital jobs. Humans have begun to rely on artificial intelligence to perform many tasks, especially repetitive ones. They have also begun to rely on robots to complete some work, and it is expected that humans will be completely dependent on artificial intelligence in the future. It is one of the risks of artificial intelligence. Advanced AI technology needs a large amount of data for training and analysis, and this raises concerns about data privacy and its proper use. Personal data may be exploited in illegal or unethical ways, putting the rights of individuals and communities at risk.

Empirical gaps 2.2:

Although artificial intelligence has come a long way in the world of medicine, human monitoring is still necessary. For example, surgical robots act logically, rather than empathically. Health practitioners may observe biobehavioral observations, which can help diagnose or prevent medical complications. The integration of artificial intelligence technology is growing rapidly in education, due to its great benefits, as it improves student participation and interaction by enhancing the learning experience in different ways and directing teachers to use a more interactive educational approach. Artificial intelligence tools can also participate in evaluating students and analyzing their data to become Things are clearer in front of the teacher.

Main research question

This study addresses the following main research question:

“How does artificial intelligence affect human lives?”

significant research

AI is used to improve efficiency and productivity in many fields, such as manufacturing, healthcare, and marketing. For example, AI can be used to improve the accuracy and speed of manufacturing processes, to improve medical diagnosis or develop new treatments, or to improve advertising targeting.

The theoretical significant 3.1:

The recipe for artificial intelligence is to help save time and effort gradually, as the exercise can be performed faster and faster than a human. For example, AI can be used to prepare reports, analyze data, or provide assistance with household tasks.

Empirical significant 3.2:

Artificial intelligence can help improve human quality of life in many aspects, such as health care, education, and entertainment. For example, AI can be used to provide better health care, develop new ways to educate children, or create new entertainment experiences. Artificial Intelligence is a powerful technology that has the potential to significantly impact human life in many aspects. As artificial intelligence continues to develop, the importance and influence of this technology is expected to increase in the coming years.

References list

Books:

1. Science Fiction and Philosophy: From Time Travel to Superintelligence.
2. Artificial Intelligence: A Guide for Thinking Humans

Magazines:

1. Adams, S., Arel, I., Bach, J., Coop, R., Furlan, R., Goertzel, B., & Sowa, J. F. (2012). Mapping the landscape of human-level artificial general intelligence. *AI Magazine*, 33, 25–42.
2. Goertzel, B. (2014a). GOLEM: towards an AGI meta-architecture enabling both goal preservation and radical self-improvement. *Journal of Experimental & Theoretical Artificial Intelligence*, 26, 391–403.
3. Kornai, A. (2014). Bounding the impact of AGI. *Journal of Experimental & Theoretical Artificial Intelligence*, 26, 417–438.
4. Yudkowsky, E. (2008). Artificial intelligence as a positive and negative factor in global risk. *Global catastrophic risks*, 1(303), 184.