

Discussion on the Phenomenon of New Form of Alienation of Artificial Intelligence

Leixi Zhang*

Hanhong College, Southwest University, Chongqing, 400715, China

email: 853912754@qq.com

*corresponding author

Keywords: Artificial Intelligence; Alienation; Alienation of Labor; Alienation of Science and Technology; New Form

Abstract: Since the concept of artificial intelligence was put forward in the mid-1950s, artificial intelligence entered the research stage with rapid development. Currently, we have ushered in the era of artificial intelligence. With the development of technology, the theory of alienation gained further momentum, and the influence of artificial intelligence alienation on human society has also become more and more profound with the development of science and technology. On the one hand, artificial intelligence is a positive force. On the other hand, it is an alienated and negative force that fetters and negates people, which deepens the crisis of human self-alienation and leads to the crisis of human subjectivity and the alienated form of human communication. In order to deepen the understanding of the theory of alienation and conduct a preliminary study to solve the problem of artificial intelligence alienation, this paper conducts discussion on the alienation and its theoretical development, and analyzes the new form of artificial intelligence alienation and its presentation on the basis of the characteristics of labor alienation and science and technology alienation.

"Alienation" means to become a alienated matter. It was first used in theology to indicate the believer's alienation from God, which was later gradually applied to the field of politics and sociology. The word alienation in modern times can be traced back to Rousseau's alienation in the sense of the transfer of rights, and later Fichte, Hegel, Feuerbach and other people have explained the relationship of alienation to some extent. Marx established the theory of labor alienation on the basis of criticizing and absorbing Hegel's alienation thought and Feuerbach's humanism alienation theory. He highlighted the positive social function of science and technology, and profoundly analyzed the problem of the alienation of science and technology, that is, technology is distorted into an inhuman power in the capitalist mechanism.

Artificial intelligence is a high-tech science and technology based on information technology with the complex algorithm of big data as the core and the simulation, extension and transcendence of human intelligence as the objective. Its rapid development and wide application are unprecedentedly changing people's way of living and activity, and promoting the emergence of new technological social forms and civilized forms. Today, alienation has a new pattern of manifestation, namely artificial intelligence alienation. The so-called alienation of artificial intelligence means that artificial intelligence and its subsidiary products failed to promote human development, and further become an alien force that hinders human development, or people, as the main body, are in turn dominated and enslaved by artificial intelligence and its subsidiary products. It gradually makes our labor, the nature of class and the structure of society gradually dissolved by technology. Artificial intelligence alienation is a special kind of science and technology, so artificial intelligence alienation, as a new form of science and technology alienation in contemporary times, can also be understood as a special kind of science and technology alienation. Alienation of labor, alienation of science and technology, and alienation of artificial intelligence are the embodiment of the concept of alienation in the development of "real man", and they all come down to the alienation

of man. Thus, the concept of alienation is a constantly developing philosophical concept, but its content changes do not deviate from the theme of man. As a new form of alienation of science and technology, the alienation of artificial intelligence is still the alienation of labor in essence, which is the advanced form of development of alienation of labor. As a new extension of labor alienation in the rapid development of modern science and technology and a new form of alienation of science and technology in the new era, it is of great significance to analyze the phenomenon of artificial intelligence alienation for alerting the double-edged sword nature of human science and technology development. At the same time, the analysis of the new form of artificial intelligence alienation actually makes a full theoretical preparation for the later research on the practical countermeasures of alienation from the application level while enjoying the convenience it brings. The following text will analyze the new form of artificial intelligence alienation from three aspects: artificial intelligence and human labor, human nature and environment and nature.

1. Artificial Intelligence is Alienated from Human Labor

The fourth industrial revolution has shown the prelude, artificial intelligence has been widely used in education, medical care, biology, chemistry and other fields, and its arrival has become the assistance of human labor, which helped humans complete the simple, repetitive or complex, dangerous work in a better and faster manner and thoroughly changed human life. The progress of artificial intelligence technology directly drives the improvement of machines, which can theoretically reduce labor intensity, shorten labor time and enhance human's ability to control nature.[1]483 Compared with traditional industries, it works with high efficiency. For some simple and tedious industries that require a large number of labor, they pursue high efficiency and high intensity operations, and the high efficiency of artificial intelligence is the characteristic that meets the needs of high intensity operations. As a result, the input of artificial intelligence can not only reduce the output of manpower, and can even completely replace manpower, realizing the artificial state of the production process. Besides, it can greatly improve the efficiency and precision, which is why artificial intelligence is favored by various industries.

Human labor is becoming easier and more efficient, and artificial intelligence seems to serve human labor well and meet our expectations of creating it. However, as the direct product of the collusion between technology and capital, it is also the main existing field of the form of alienated labor technology. As the creator of artificial intelligence, human beings are being gradually counterbalanced by artificial intelligence, just as the nature that nurtures human beings has been destroyed by human beings. Nowadays, artificial intelligence based machines have been widely used in various scenes of human life, and human skills exert less and less influence on production. Compared with traditional machine production, artificial intelligence technology has deepened the breadth and depth of labor alienation. Under the influence of artificial intelligence alienation, human labor and workers themselves are encountered with the crisis of being replaced and controlled by artificial intelligence. Artificial intelligent machines gradually develop to dominate the position of labor, and people are gradually allocated to the marginal line of production and even be forgotten. In our life, we can see this kind of substitution relationship everywhere. For example, artificial intelligence is replacing the workers engaged in easy and repeated work in production line. Easy mobile payment is replacing bank employees. The alienation of artificial intelligence, as a competitor of workers instead of a helper, is no longer the human-tool relationship envisioned at the beginning. It has begun to replace workers from the bottom up. The crisis of this alienation now seems to be replacing simple labor, and advanced intellectuals and industrial elites need not worry about being replaced by artificial intelligence. But in fact, with the continuous development of artificial intelligence technology, artificial intelligence algorithms are gradually replacing the work of various complex skills, and the machines produced by this technology will be applied to a wider range of work fields. From AlphaGo, which defeated the genius of Go, to the popularization of unmanned supermarkets and unmanned banks, various facts are enough to support our inference that the alienation crisis of artificial intelligence has already been laid down and has penetrated into all walks of life, including the intellectual work field.

As the product of human's conscious objectification, artificial intelligence deepens the alienation of human beings who are regarded as laborers and labor itself, showing the loss of human objectification. In this relationship of production, labor is passive and external and it does not belong to laborers themselves, and in turn becomes the power to control human beings themselves. Labor, as the most basic ability and right of human beings, is facing the danger of being deprived by machines. Mankind is gradually losing part of the ability to work and work opportunities. If we continue to ignore the exclusion of workers by artificial intelligence technology and the seriousness of social stratification, the manifestation of this technology as an alien force to suppress and exploit people will become more and more obvious, and artificial intelligence and human labor will be in a process of continuous alienation for a long time.

2. Artificial Intelligence is Alienated from Human Nature

With the rapid popularization of artificial intelligence, people rely more and more on it. Artificial intelligence is imperceptibly changing people's cognitive mode, thinking mode and life style. Different from animals, human beings is a species-being that can carry out free, independent, conscious and voluntary activities and finally realize their own kind of existence. However, the further the artificial intelligence technology expands in the field of production, the more significant the crisis of human being's alienation will become. From the perspective of all-round human development, in fact, human personality and freedom are constrained and dominated by artificial intelligence, which brings anxiety and panic instead of liberation. Habermas also pointed out that technology and science have dual functions in modern society: as productive forces, they realize the rule of nature; As ideologies, they achieve the domination of man.

First of all, artificial intelligence has caused a crisis of human ability to some extent. The super computing power, data processing ability, logical analysis ability and perfect memory ability of AI machines not only save the time of users and improve the efficiency of workers, but also greatly encourage the inertia of workers and transfer the abilities belonging to human beings to machines. Logic ability is an important tool for human to understand and transform the world, and this ability needs to be enhanced in the process of practice. However, due to the impact of artificial intelligence, human abilities in this area have been curbed, and people use it less and less. What's worse, a lot of people have even entered an endless loop from "unwilling" to "not able" to exercise the ability. In addition to the logical ability, a variety of human abilities are replaced by the mechanization and programming of machines, and the status of subjects and objects of human beings and machines is reversed. These weakened abilities are all crises of human subjectivity brought about by the alienation of artificial intelligence.

Secondly, artificial intelligence has caused a crisis of human value to some extent. With the full involvement of artificial intelligence in human life and production, the main channel for people to obtain information consultation is through AI algorithm, while AI algorithm based on big data can provide personalized services. On the one hand, it can efficiently and conveniently help people screen out the optimal information and meet their preferences for personalized needs. On the other hand, the tendency to obtain information by interest confines people to a closed and narrowed information environment, deepens the one-sidedness and singularity of people's thinking and cognition and makes people lose their subjectivity, as a result, their free will is materialized, and gradually develops towards "one-dimensional" people. At the same time, along with artificial intelligence comes the flood of national entertainment, the degree of human spirit alienation is unprecedented. In the context of "play to death" people seem to be forgetting their true nature. Our politics, religion, journalism, sports, education and commerce have all willingly become subservient to entertainment, without complaints, or even silently, and as a result we have become a species of entertainment to the death.[2]4 It is in the process of dynamic transformation of the object world that man proves his human-like nature, and unlike animals, he only regards labor as a means of life extension. Perhaps one day, the ability of rational thinking that people are most proud of will be laid bare, and human dignity will be lost in front of intelligent machines.

Finally, artificial intelligence to a certain extent leads to the gradual loss of human social

attributes. The essence of human being is not an abstract thing inherent in a single individual. In reality, it is the sum total of all social relations.[3]139 The rapid development of information technology, on the one hand, facilitates the contact among people, promotes the communication on a global scale, and promotes the process of the development of world history. But on the other hand, the progress of technology is also dissolving the reality of human beings. Technology serves as a form of social control, which makes people to submit to the established social division of labor, and makes more and more people to live in isolation and engage in patterned and fixed production operations day after day, leaving certain social and political relations away. The emergence of this trend undermines the true collaborative work in the emotional sense and reduces the emotional communication among people. At the same time, the influence of artificial intelligence alienation on human social attributes is also reflected in the emergence of human communication crisis. Social communication is a conscious and meaningful practice among people. While human beings continue to take production practices to create and enrich their own material life, they also establish certain social relationships through social interactions. The subject of social communication is man, and man's subjectivity is embodied in that man communicates with others autonomously and consciously. However, with the application of artificial intelligence technology, the communication among people has changed, and the inertia of human communication has increased. More and more people are keen on the virtual world of the network, and gradually break away from their own existing social relations and lose their sociality, leading to a series of social problems such as social barriers. Artificial intelligence is weakening the sociality and human-like nature of human beings. Isolated individuals are increasingly becoming the mainstream, which deepens the atomization crisis of human beings. Such alienated communication is the loss of human subjectivity.

3. Artificial Intelligence is Alienated from the Natural Environment

Technological progress directly drives the improvement of machines, which in theory can reduce labor intensity, shorten labor time and enhance human's ability for control of nature.[4]483-484 Today, human beings gradually understand the laws of nature and learn to use science and technology to reduce the negative impact on the environment in the development of nature. As an emerging scientific and technological force, artificial intelligence is also being used to promote green development. However, under the background that there are still shortcomings in technological innovation, resource utilization, and institutional supervision, green development faces many challenges in the development process of artificial intelligence since the development of science and technology is based on the development and utilization of resources. The impact of artificial intelligence alienation on the environment and nature is not only manifested in the excessive exploitation of natural resources in the development process, but also manifested in the pollution of artificial intelligence technology and products to the natural environment.

The research and development and application of artificial intelligence technology will inevitably bring intelligent electronic devices. In order to support the operation of all kinds of intelligent devices, the world will inevitably continue to build data centers, and the construction of data centers will inevitably consume a lot of water, electricity, oil and other energy. In addition to a large number of mining and investment of natural resources demanded for manufacturing, the repair, abandonment and treatment of artificial intelligence equipment, and even the test and operation in the development process are also a waste of resources. Since the birth of artificial intelligence products, human beings have gained the ability to transform nature by relying on advanced technology, and their living standards have been improved, but they have constantly ignored the laws of nature in practical activities, participated in nature, utilized nature, and arbitrarily exploited and captured nature resources. Natural resources are gradually decreasing, and the ecological environment is gradually becoming worse. The pressure exerted by humans on the ecological environment is finally reflected on humans themselves. Land degradation, greenhouse effect, ozone layer destruction, species extinction and other environmental problems have become prominent, accelerating the global environmental crisis, which directly threaten human life, health and safety. Technological subversion will bring about a series of environmental problems and social

ethical problems of this kind. What we worship may not be gods or people, but data.[5]331 The pure relationship between human beings and nature has been completely alienated. Nature is nothing but a valuable thing for human beings. The application of technology makes nature, the object product of human beings, become a hostile force for human beings.

Artificial intelligence products continue to develop, but the natural environment is deteriorating day by day, and the ecological environment is also shrinking. The investment of artificial intelligence technology in the economy, human resources, resources, and environmental governance is essentially tantamount to rob Peter to pay Paul, opening up another path for the waste of resources. It is beneficial to use artificial intelligence as a means to help environmental protection, but if the alienation between artificial intelligence and the environment is only regarded as a problem between tools and the environment, and if this is taken as a breakthrough point, then artificial intelligence and its products will only lead to more environmental problems. As Engels said, let us not revel in our triumph over nature. For every such victory, nature will retaliate. Each victory did achieve the results we expected at first, but later and later there were completely different and unexpected effects, often eliminating the initial results.[6] 383No matter how intelligent tools are used to deal with it, if we do not solve the problem from the perspective of the source of pollution, the situation will only become more severe. The key is to avoid the emergence of alienation and problems.

4. Conclusion

Artificial intelligence, one of the greatest inventions mankind has ever made, is also one of the most dangerous. We are stepping into the "intelligent society" step by step. The alienation of artificial intelligence is a philosophy of science and technology that needs to be solved urgently. As a new form of alienation, artificial intelligence alienation is an advanced form of labor alienation. The harm it brings is all-around and huge. Clarifying the manifestation form of artificial intelligence alienation is conducive to find the path of its elimination. Mesthene said, "Technology has created new possibilities for human choice and action, but it has also left the handling of those possibilities in a state of uncertainty. What impact the technology has and what purpose it serves are not inherent in the technology itself, but depends on what people do with the technology." [7]60 Therefore, after analyzing, summarizing and criticizing the new form of artificial intelligence alienation, we should take some measures to eliminate the alienation of artificial intelligence, strengthen the governance of digital capital, standardize the research and development and application of artificial intelligence technology, prevent the suppression and enslavement of technology to human beings, and rationally develop what is useful or healthy and discard what is not from the source.

Based on the continuous evolution of human-computer symbiosis concept, the "new generation" should take the initiative to abandon the arrogant "anthropocentrism", "the spirit of all things" sense of superiority and the "dominant consciousness" of egotism, and be good at cooperating with the "intelligent partners" who are smarter and more capable than themselves, and co-exist harmoniously. It is necessary to extend Habermas' communication rationality and negotiation ethics among subjects, redefine interpersonal relationship and man-machine relationship, and reconsider the corresponding behavior rules, so as to realize the interaction, cooperation and common promotion between human and intelligent system.[8]137 While eliminating a series of negative effects brought by artificial intelligence on human beings, we should make artificial intelligence a true powerful assistant to promote the free and all-round development of human beings. The ultimate goal of scientific research activities is to better serve human beings and make contributions to human development rather than the pursuit of advanced technology .[9]280

The appearance of artificial intelligence makes people suddenly find that the rational advantage of human being is being seriously challenged. However, if there is no artificial intelligence, human beings will never know the feeling of the human brain dancing with the intelligent aliens of the human brain. Therefore, the arrival of artificial intelligence era will be an era of rapid development of human, human brain and the intelligent alienation of human brain, and people are full of

expectations for the prospect of this development.[10]5

References

- [1] Marx and Engels Collected Works: Volume 8[M]. Beijing: People's Publishing House, 2009: 483.
- [2][USA] Neil Postman.Entertainment to Death[M]. Translated by Zhang Yan.Beijing: CITIC Press, 2015:4.
- [3]Selected Works of Marx and Engels: Volume 1[M]. Beijing: People's Publishing House, 2012: 139.
- [4] Selected Works of Marx and Engels: Volume 1[M]. Beijing: People's Publishing House, 2012: 483-484.
- [5][Israel] Yuval Harari. A Brief History of the Future[M]. Translated by Lin Junhong.Beijing: CITIC Press, 2017:331.
- [6] Selected Works of Marx and Engels: Volume 4[M]. Beijing: People's Publishing House,1995:383.
- [7]Emmanul G. Mesthene, Technological Change: Its Impact on Man and Society, New York:New American Library,1970:60.
- [8] Sun Weiping. Artificial Intelligence and the "New Alienation" of Human [J]. Social Sciences in China, 2020(12):137.
- [9] Lin Dehong. The Fifteen Lectures of Philosophy[M]. Beijing: Peking University Press, 2004:280.
- [10] Ouyang Ying.The significance of artificial intelligence from Marx's theory of alienation[J]. World Philosophy, 2019(02):5.