Computer Communication Technology and Electronic Information in Artificial Intelligence Application

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Abstract: In the context of stable social and economic development, the core position of mankind has gradually emerged. People's behavior is controlled by their consciousness, which in turn creates a good living environment. With the development of science and technology, manpower has been largely liberated. Social productivity is constantly growing, and socio-economic order is constantly being reformed. To take full advantage of technological innovation, artificial intelligence is the most advanced technology. Domestic big data technology is rapidly innovating, and computer communication technology is increasingly used in the field of artificial intelligence. Communication and electronic information technology are important supports for the spread of artificial intelligence and can process various data in a timely manner. Process the complex data information and upload the processing results to the artificial intelligence platform. Build different data matrix models, analyze data parameters, and finally apply them to the field of artificial intelligence. The organic integration of computer communication technology and electronic information technology to successfully complete various tasks. It fully demonstrates the close connection between information technology and artificial intelligence, and provides theoretical support for the subsequent work. This article focuses on the application of computer communication technology and electronic information in artificial intelligence, and puts forward comments and suggestions based on actual conditions.

1. Introduction
Artificial intelligence is an emerging technology, starting from Internet technology and big data technology. With the support of new technologies such as integrated mobile Internet, cloud computing and other disciplines, the way in which the human brain handles problems is to make decisions about the problems. Discuss the data processing and decision-making methods based on big data technology, and apply it to the development of various industries. Further enhance intelligence to achieve innovative development of the industry. Artificial intelligence can not only strengthen the management level of the enterprise, but also save production and operation costs, thereby effectively improving economic benefits. In addition, the application of information technology to artificial intelligence can effectively promote the development of intelligence. Embedding information technology into artificial intelligence can effectively improve the accuracy and effectiveness of artificial intelligence. Artificial intelligence technology can be used in the information industry to achieve mutual promotion.

2. Artificial Intelligence
2.1. The Concept of Artificial Intelligence
Artificial intelligence can be subdivided into three levels: ① Simulation ability. After collecting information and data, artificial intelligence imitates human thinking activities. For example, machine learning, human-computer interaction, and so on, as close as possible to human thinking activities based on logical rules. ② Simulate brain structure. The neural cell theory is adopted to realize the simulation of human neural networks. Ensure that computer algorithms are similar to human brain structures, such as perceptron models. ③ Have the ability to imitate human behavior. Artificial intelligence realizes the purpose of self-learning and evolution by sensing the surrounding environment. This shows the adaptive characteristics of artificial intelligence to the environment, such as biological intelligence algorithms. The three levels are the summary of the development of artificial intelligence. First, it has a brain structure, and then continuously adapts to the surrounding environment by imitating human thinking. This completes self-evolution and better reflects the development process of artificial intelligence.

Artificial intelligence itself has very obvious characteristics, which can be briefly summarized as follows: ① Ability to perceive computing across media. Artificial intelligence must be able to collect information from different channels and platforms, and lay a solid foundation for the follow-up work. ② Big data processing technology. The core content of artificial intelligence processing capabilities is computer communication technology and electronic information, which must show more powerful data storage, computing, and processing capabilities. Cloud computing technology and 5G network technology are used to process data to ensure work efficiency. ③ Autonomous learning ability. Artificial intelligence needs to have the ability to learn and think independently, and understand and solve problems according to certain logical rules. Artificial intelligence continuously learns and adapts to rules, thereby gaining more powerful processing capabilities. ④ Bionic ability. Through the use of artificial intelligence and sensing devices, human-machine synchronization based on virtual reality can be achieved. ⑤ Language ability. The language of artificial intelligence is not just a simple dialogue. It is necessary to ensure that artificial intelligence can understand the core content, thereby strengthening the attributes of communication.

2.2. Artificial Intelligence Promotes Social Development

The use of artificial intelligence technology has made many contributions to social and economic development. First, the application of artificial intelligence technology can effectively reduce the actual work intensity. In the use of industrial production and social services, scientific evasion can lead to various mistakes. The service quality has been greatly improved, and the information processing speed has also been improved. Secondly, artificial intelligence is more efficient in controlling and processing information than traditional management models. Artificial intelligence performs services according to a set program, and can adapt to changes in the external environment, thereby achieving reasonable adjustments. Artificial intelligence can also judge the customer's satisfaction level by analyzing the emotions of the service objects. Corresponding feedback links have been added to effectively improve the overall service quality. Artificial intelligence can provide personalized service content and provide users with a comfortable application experience. Artificial intelligence not only has great value in social services and industrial production, but also a strong support for scientific research. Using artificial intelligence for calculations can save a lot of time. We can further increase the scientific research conversion rate and make more contributions to social and economic development. The development and application of artificial intelligence is an inevitable trend of social development and needs more attention.

3. Computer Communication Technology and Electronics

Computer communication technology has a crucial impact on the development of artificial intelligence. It takes full advantage of the multilayer network structure and scientifically processes linear and nonlinear information. The computer communication technology is widely used in the development of artificial intelligence technology, the most common speech recognition and response links. Relying on computer fusion technology to identify and process massive amounts of data information and
responsible for data, thereby ensuring computing speed and performance. The development of artificial intelligence is built on the basis of computer communication, and it is necessary to actively use the data marking and processing capabilities of computer communication technology. Based on neural network learning and data propagation training, artificial intelligence data processing models are formulated to better highlight the most basic learning capabilities of artificial intelligence. Electronic information technology can be subdivided into two levels, including electronic science and information technology. Both are based on computer hardware research. In other words, both electronic science and information technology require the cooperation of computer hardware to achieve data transmission and processing.

With the continuous development of modern electronic information technology toward the intelligent and cloud computing level, the electronic information data processing center can also complete the collection and processing of information in the cloud, and then realize the transmission of cloud computing results supported by computer communication technology. Ensure the enhancement of artificial intelligence in deep learning and capabilities, and integrate it into various industries, laying a solid foundation for social and economic development. You can use electronic technology data information processing technology to mine the most valuable computing information in the complex data, which belongs to artificial intelligence data mining. In the actual use of computer communication technology and electronic information technology, deep learning should be performed on data information. Further improve the recognition of the computer's own information, and then better use it in artificial intelligence information processing.

4. Features and Development of Artificial Intelligence
Machine calculations similar to "artificial intelligence" use regular calculation codes for analysis and actively complete the computer's simulation thinking process. In the actual operation process, the verification and inference of mathematical theorems are mainly completed by means of the computer's symbol verification. The proof of machine theorem includes the steps of language understanding, program verification, problem solving, etc. The computer must complete the proof process of the steps according to accurate program settings. With the rapid development of information technology, machine learning has become an independent discipline. Search engine technology provides new ideas for the development of artificial intelligence. Machine learning is subdivided into teaching learning, mechanical learning, inductive learning, and analog learning. As the core part of artificial intelligence, inductive learning has become a hot topic of discussion. With the improvement of the theoretical system and practical exploration, the statistics and algorithm learning of artificial intelligence have gradually become the mainstream direction. The innovation of artificial intelligence computing methods has greatly improved the computing efficiency of artificial intelligence. The application of artificial intelligence data computing and deep learning systems is to continuously add learning information content through the network. Artificial intelligence simulates the brain's thinking activities, and gradually realizes intelligent data processing and information service content.

5. Application of Computer Communication Technology and Electronic Information Technology in Artificial Intelligence
Artificial intelligence uses intelligent methods to simulate human thinking and has gradually become an important part of computer science. In the development stage of artificial intelligence, data analysis has important value. The development of computer communication technology and electronic information based on data analysis has made certain achievements. Actively exploring the application of computer communication technology and electronic information in the field of artificial intelligence. Artificial intelligence technology is mainly based on the deep learning technology of neural network, which integrates communication technology and neural network organically. After the data information is combined with the labeling, mathematical statistical analysis is performed on the data.
5.1. Application of Computer Communication Technology and Electronic Information in Intelligent Driving

Driving is the most important part of traffic safety. The use of new technologies to improve driving safety has gradually become a hot topic. Computer technology and social development interact with each other and provide technical support for intelligent driving. The main purpose is to use computer communication technology and electronic information for driving, such as intelligent transportation systems and fully automated unmanned driving systems. Intelligent transportation systems need to adopt a variety of technical measures to collect and analyze information technology, and then achieve the purpose of coordinating road travel and commanding traffic. At the level of actual technological development, more attention must be paid to vehicle navigation and autonomous driving. Fully automated unmanned driving is the use of intelligent means to drive. The operation of the vehicle will be controlled by the dispatching center to reasonably respond to various road conditions. In the actual application stage, the information and data show the characteristics of sharing, achieving a high degree of unity of the electromechanical system. Fully autonomous driving is the development direction of car driving, and it is of great value for solving urban congestion and environmental pollution. The full potential of intelligent driving applications has been brought into full play, and the use of computer communication technology and electronic information has been continuously deepened. Promote a higher level of intelligent driving and further improve living standards.

5.2. Application of Computer Communication Technology and Electronic Information in Network Management

The purpose of network intelligent management is to comprehensively analyze massive data, and then obtain convenient information retrieval and consulting channels. Communication technology and electronic information play an important role in network management. Combining it with artificial intelligence can make data searching more convenient and intelligent, and network intelligent management has developed into a new system. Communication technology and electronic information can detect network intrusions and make them the first line of defense for network security. Perform security analysis on data information, and find feedback in time when virus data is found. We need to build a good network security environment and create a better application experience for users. The use of communication technology and information security in smart firewalls is also very common. Smart firewalls have the ability to block viruses, and identification technology is even more important. The recorded virus data can be identified in time, and statistics, decision making, memory, and probability are used to reduce the amount of calculation. Network security has increased significantly, providing people with a more secure network environment. The defensiveness of the network is significantly enhanced, and the degree of intelligentization of network security is also continuously improved.

In addition, the use of communication technology and electronic information can complete the detection of spam. At this time, artificial intelligence recognition is very important, and data analysis is used to improve the success rate of spam interception. The actual application situation is fed back to the user, thereby ensuring secure acceptance of the mail. The full use of communication technology and electronic information in network intelligent security management has added new impetus to the entire industry. It is necessary to continue to deepen research and promote the application level of computer communication technology and electronic information at the network management level.

6. Conclusion:

To sum up, this article is mainly aimed at computer communication technology and electronic information in the application of artificial intelligence. Clarify the meaning of artificial intelligence, and carefully analyze the impact of artificial intelligence on social and economic development. We need to discuss the application of computer communication technology and electronic information, and provide theoretical support for the subsequent work. In fact, computer communication technology and electronic information have made some achievements in artificial intelligence driving and network...
security management. Fully automated unmanned driving is the use of intelligent means to drive. The operation of the vehicle will be controlled by the dispatching center to reasonably respond to various road conditions. Network intelligent management has developed into a new system that can make data search more convenient and intelligent.

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