

NEURAL NETWORKS IN THE LIVES OF ORDINARY PEOPLE

student Radyuk D.D.

scientific supervisor – lecturer Dzerhachova A.A.

Belarusian National University of Technology

Minsk, Belarus

Neural networks have become an integral part of our daily lives, penetrating into various fields of activity, from entertainment to medicine. In this paper, we will consider the influence of neural networks on the daily life of ordinary people. We will explore how neural networks help improve the quality of life of people in various areas, as well as assess the risks and challenges associated with the use of neural networks. The results of this work may be useful for people who want to better understand how neural networks affect their lives and what to look for when using this technology.

Neural networks are machine learning algorithms that have been developed to mimic how the human brain works. Neural networks are used to analyze large amounts of data and solve complex problems that were previously impossible for computers.

Today, neural networks are used in various fields, including medicine, finance, advertising and entertainment. They have become an integral part of our daily life, improving its quality and facilitating tasks.

The influence of neural networks on people's lives:

Neural networks are used in medicine to analyze medical data and diagnose various diseases. For example, neural networks can help diagnose cancer and predict the likelihood of developing cardiovascular disease. This helps doctors to more accurately determine the diagnosis and develop a more effective treatment plan.

Neural networks are also used in the financial sector for data analysis and market forecasting. This helps investors and traders make more informed decisions and reduce risk. Neural networks can also be used to detect financial fraud, which reduces losses for companies and investors.

Despite the many advantages of neural networks, there are also risks associated with their use. For example, neural networks can become the target of cyberattacks and hacker attacks, which can lead to the leakage of personal data and confidential information.

It is also important to consider ethical aspects when using neural networks. For example, when developing neural networks for medical purposes, patient privacy and ethical standards must be respected.

Neural networks have become an integral part of our daily life, penetrating into various fields of activity. They help improve people's quality of life by making it easier to complete tasks and make decisions.

However, it is necessary to take into account the risks and challenges associated with the use of neural networks, and to comply with ethical standards. Understanding how neural networks affect our lives and how to use them effectively and safely is important for every person.