with aggressive content are assumed to make people more violent in real life. The impact of games on the cognitive development of children and teenagers, adults and even older people is discussed.

In the summer of 2018, computer games were included in the WHO International Diseases Classification. Before that, they were not presented in any disease classification. True, in the fifth edition of the American manual on psychiatric and psychological diseases dependence on online video games was listed in the section of phenomena that require additional study [3].

Computer games are an urgent concern, and no one wants to be addicted to them. Although scientists admit the possibility of dependence on computer games, it is believed that only a small percentage of people (even among children and adolescents) have the risk of its occurrence. This is due not to the nature of the game activity, but to psychological characteristics of people: on the one hand, it's connected with the presence of specificity in a human brain. On the other hand, it is rooted in the surrounding development factors, problems in families, problems with communication, and so on.

To summarize, it should be stressed that using virtual reality people must adhere to certain rules for health care to monitor your well-being. It is necessary to use professional software, special devices and try to limit the time of stay in virtual reality.

## References

1. Rheingold H. The Virtual Community [Електронний ресурс] / H. Rheingold // rheingold.com : – Режим доступу: http://www.rheingold.com/vc/book/intro.html.

2. Возможные миры и виртуальные реальности [Електронний ресурс] / Состав. В.Я.Друк., В.П.Руднев. – М.: 1995. – Вып.1. – Режим доступу: http://www.relis.ru/MEDIA/pwvr.html.

3. Иванов М.С. Психологические аспекты негативного влияния игровой компьютерной зависимости на личность человека [Електронний ресурс] / М. С. Иванов // flogiston.ru : – Режим доступу: http://flogiston.ru/projects/articles/gameaddict2.shtml.

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## MODERN DEFINITITON OF BIG DATA IN THE IT SHPERE

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Nowadays, processing and managing of a small amount of data is not a problem. They are easy to view and getting the necessary information from them is fast. But, in case of big data, there are multiple obstacles.

The purpose of this study is to investigate the reasons of the term "Big Data" transformation and propagation. The mentioned above term has appeared relatively recently. According to Google Trends the beginning of a strong growth in the use of the definition since 2011 (Fig. 1).
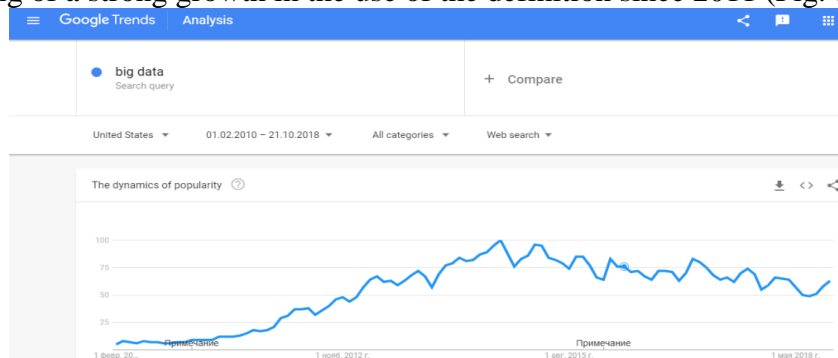


Figure 1 - Dynamics of "Big Data" definition propagation.

So what is Big Data really? On the internet, you can encounter different Big Data definitions. For example:
- Big Data is used when data amount is greater than 100GB (500GB, 1TB, who likes it);
- Big Data is data type that cannot be processed in Excel;
- Big Data is data amount that cannot be processed on one computer;
and even the following:
- Big Data is any data in general.
- Big Data does not exist, it was thought up by marketers.

In general, the definition of "big data" can be simplified to the classical, rather popular, American definition through '3V': Volume (the enormous information amounts which traditional systems cannot cope with), Velocity (the tremendous speed of their change, getting in the first place) and Variety (data semantics, data formats, and data structures types, too) [1, p. 14].

Big Data cannot be stored for processing within next few years – it changes extremely fast and needs to be processed now and today. Data can be presented as traditional, relational databases, which are divided into tables, each of which, in its turn, consists of columns and rows. Everything within Big Data is structured: just numbers, just names, just dates and time. However, this does not apply to Big Data, since only a small particle of it is structured data, and the rest of Big Data is not. They can be received as a text, a video, an audio, data from sensors, data streams, and social media information – any type. At the same time, the number of sources from which information is received (telephones, video cameras, social networks, various interconnected systems) is increasing rapidly. Every minute Facebook processes about 350 GB of information. 100 hours of new videos are uploaded to YouTube. Every minute Twitter users send 277,000 tweets. In the nearest future, to all above mentioned information amounts millions of bank transactions, reviewed web pages, published photos and opinions expressed online are to be added. By 2020, the online dossier for each of the Earth inhabitants will be compared to an electronic library of 5,000 books [2, p. 37].

To summarize, the fact is that only a few years ago any data size was calculated by terabytes. New definition for zeta-bytes amounts should be put in wide application. Therefore, randomly accumulated huge Big Data amounts have to be put into practice.

## References

1. Черняк Л. Большие Данные - новая теория и практика/Л. Черняк // Открытые системы. – СУБД, 2011, –№ 10. – С.18-25

2. Різа С. Spark для професіоналів: сучасні патерни обробки великих даних / С.Різа, У. Лезерсон, Ш. Оуен, Дж. Уілліс. – М.: Пітер, 2017. – 272с.

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## INTRODUCTION OF TESLA AUTOMOTIVE SYSTEM INTO DIRECTIONAL GRIDS OF SMALL TOWNS

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Unfortunately, air pollution is a main problem of all cars, that is why most of us live in smog-choked cities and this is what our immunity cannot withstand and protect our health from. The greatest solution of this problem is transition from usage of petrol vehicles to driving Tesla cars.

Current research includes the study of Tesla automotive system, its advantages over common directional grids of small towns meant for petrol and gas vehicles. The purpose of this study is to