

[Обзорная панель](#)[Мои курсы](#)[Английский язык для профессиональных целей. Весна. _1](#)[Unit 2. Big Data \(Большие данные\)](#)[Discussion 2](#)Вопрос **Инфо**

1. Answer the questions about Big Data.

1. Do you think the expression "Computers think faster and feel more than people do" is a matter of the nearest future?
2. Will you give some examples of tasks which computers can solve better than men?
3. Our ancestors persistently generated the idea of artificial life. It is known that in the Kansk regional museum there is a "smart" wooden exhibit created at the end of the 18 th century. It is the figure of St. Nicholas in full growth. If you pull his hands, his feet are set in motion, and his figure begins to move! Can you imagine an exhibit that will be shown to our great-grandchildren as a symbol of our artificial life.
4. Our modern self-educated systems are very primitive. The experts say that robots with artificial consciousness are sure to appear in 20 years. When do you think they appear?
5. It is said that nowadays there appeared some companies working with Big data which can not be processed manually. Can you guess what these companies are?
6. Can you give an example of the biggest achievements of Google in the field of Big data?

Вопрос 1
Осталось
попыток: 1
Балл: 8,00

2. Read the text and fill in the gaps with the phrases from the table.

recognize	locate buildings	generate	machine learning
ball of string	artificial intelligence software	smartphones	YouTube videos

Google's computers can recognize cats and make a caption under pictures

Google's computers learned to recognize cats in photos. Now, they're learning to describe cats playing with a (1) .

Computer scientists in the search giant's research division, and a separate team working at Stanford University, independently developed (2) that can decipher the action in a photo, and write a caption to describe it. That's a big advance over previous software that was mostly limited to recognizing objects.

In a blog post, Google described how it is using advanced "machine-learning" techniques that mimic the human brain to (3) a photo of "a person riding a motorcycle on a dirt road," or "a herd of elephants walking across a dry grass field."

The new software can "capture the whole scene and (4) corresponding natural-looking text," says Yoshua Bengio, a professor of computer science at the University of Montreal and a leading expert in the field. That defies predictions that software would be limited to recognizing objects, he said.

The new technology could lead to big improvements in the accuracy of Google's image-search results, which today often rely on text found near a photo on a web page. One day it might help people search vast libraries of untagged photos or videos stored on (5) , says David Bader, a professor of computer science at Georgia Tech. A startup called Viblio is using similar research out of Simon Fraser University to automatically categorize videos.

In 2012, a Google/Stanford team famously taught a computer to learn how to recognize cats. The computer was shown millions of images from (6) , and used then-state-of-the-art machine-learning algorithms to teach itself to spot felines.

Similar advances are helping improve other Google services. Earlier this year, Google researchers disclosed how its computers had learned to read house numbers from images captured by its Street View cars, making it quicker and easier to (7) in Google Maps, for instance.

Google is making big bets on artificial-intelligence technology. Earlier this year, it paid hundreds of millions of dollars to acquire Deep Mind Technologies, a London-based startup that employs many specialists in advanced machine learning. Earlier, it bought DNNResearch, a small company started at the University of Toronto, in order to hire a top academic in (8) , Geoffrey Hinton.

Проверить

Вопрос **Инфо****3. Answer the questions related to the text.**

1. What are Google's great achievements mentioned in the text?
2. What is the Google's artificial intelligence software capable of?
3. How can the new Google's software make a caption under a picture?
4. What was the way the Google team taught a computer to learn how to recognize cats?
5. What does the text say about the future usage of Google's image-search results?
6. Where do you think people may use the artificial intelligence software of Google in the future?
7. Why do you think it is very important for Google to get high-qualified specialists in machine learning?
8. If you met a leading expert from Google what question would you ask to him or her?

Вопрос **Инфо****4. Discuss the following problem.**

Judging by the Google's advanced technology we will soon have to live in a world of smart robots and intelligent machines.

Divide into two groups.

1. You believe these machines are likely to make our life easier and they won't do us any harm. Prove your point of view.
2. You think these machines are unlikely to make our life easier and they might do us a lot of harm. Prove your point of view.

Вопрос **Инфо**

5. Following the smart men's thoughts about Big Data complete their quotes on your own. Then ask your teacher to give you these quotes to compare them with your variants.

1. Big data is not about the
2. Information is the oil of the 21st century, and analytics is the
3. I keep saying that the sexy job in the next 10 years will be ... , and I'm not kidding.
4. You can have data without information, but you cannot have information without
5. Without big data, you are blind and deaf in the middle of a
6. Errors using inadequate data are much less than those using
7. Data is the new science. Big Data holds

6. Read [the text about ChatGPT](#) and answer the following questions.

1. What does Big Data have to do with ChatGPT?
2. What important things about ChatGPT are highlighted in the text?
3. What aspects of English can be learnt with ChatGPT?
4. What is the way ChatGPT can be used to practice conversation?
5. What is the way ChatGPT can be used to practice dialogues?
6. What is the way ChatGPT can be used to learn vocabulary?
7. What is the way ChatGPT can be used to learn grammar?
8. What is the way ChatGPT can be used to improve your writing skills?
9. What else ChatGPT can be used for?

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◀ [Check Point 2](#)

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СЛЕДУЮЩИЙ ЭЛЕМЕНТ КУРСА

[What Is Big Data?](#) ►

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