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## explainity explained: Artificial Intelligence

Justus has just left the cinema. He saw the latest science-fiction blockbuster: robots designed by people were developing their own consciousness and rebelling against humanity. He wonders how real a situation like this is? Rapid technological advances increasingly mean that our intelligent, electronic assistants are now an intrinsic part of our everyday life. A blessing or a curse?

For many years scientists have been working to simulate human perception and human actions in machines. The aim: artificial intelligence - computers should be able to independently solve problems, communicate with people and find their way in the world themselves. They should help make people's lives easier.

And that's already partially true for Justus today. Whether he's using search engines or voice recognition on his smartphone: the longer the relevant systems spend with him, the more precise the artificial intelligence answers become. Through algorithms, which spot patterns, machines are already capable of learning independently.

Thanks to a high computing capacity, artificial intelligence systems are already partially superior to people: for example robots can work without taking a break. To make work processes as efficient as possible, industry in particular is increasingly using artificial intelligence. But artificial intelligence is also used in other branches, such as medicine, for example.

However, until now the algorithms have only worked well if a human hand has prescribed the working procedures first. This structure means that certain tasks can be carried out more quickly and effectively than by a person. Yet artificial intelligence cannot think for itself - not yet!

Justus wonders: if artificial intelligence is already superior to people in some areas, what role will we then still play in the future? And how can we trust these systems if today's computers are susceptible to viruses and hacking?

Some of his concerns are certainly blown out of proportion and influenced by science fiction films.

But it is true that we humans will have to plan and work very carefully to ensure that in future we use this powerful technology wisely.

Whether artificial intelligence is a curse or a blessing for our society - only time will tell. But one thing is certain: the development of artificial intelligence is unstoppable.