5 predictions about life in 2022

According to IBM, technology giant IBM is known for making predictions about the future. Each year, the company announces its traditional “5 in 5” list, highlighting five innovations that will help change our lives over the next five years. In this year’s list, IBM released its forecasts for 2022. IBM’s 5 predictions for 2022.

Benefits in these areas range from health and the environment to our understanding of the Earth and the Universe.

1. With artificial intelligence, our words will be a window to our mental health.

According to IBM, in 2022 we will use Machine Learning and natural language processing to predict and monitor mental illness.

AI systems will identify telltale signs of mental disorders by analyzing the patient’s speech or even observing written words. Mobile devices will have the ability to “hear” speech patterns and then analyze them with a text analysis algorithm to then identify any problems. By 2022, everything we say and write will be used as an indicator of our mental health and physical well-being.

The technology will help doctors identify and treat illnesses such as depression, schizophrenia, Parkinson’s and Alzheimer’s or conditions such as autism and Attention Deficit Hyperactivity Disorder (ADHD).

2. Hyperimage and artificial intelligence will give us superhero vision.

In just five years, we will be able to see widely, beyond the realm of visible light.

According to IBM, we will be able to see microwaves, millimeter waves and infrared images. And all this through devices small enough in our pockets. Portable, affordable equipment that combines hyperimaging technology and artificial intelligence will help us see valuable information or potential dangers that would otherwise never be known.

The “superhero” vision would be part of our daily experiences. IBM scientists are building a compact hyperimaging platform that “sees” into different portions of the electromagnetic spectrum. Embedded in our smartphones, the technology would provide us with oversight and empower us to explore a multitude of items.

Supervision would allow us, for example, to assess the nutritional value of foods, or even whether these foods are safe to eat; detect whether a drug is genuine or fraudulent; and also drive vehicles safely even in fog or rain.

3. Macroscopes will help us understand the Earth’s complexity in infinite detail.

By 2022, machine learning algorithms and software will help us organize the world’s information so we can understand the complexity of data collected by billions of devices every day. These systems are called macroscopes by IBM.

These tools will organize all the data in the world – whether collected by microscopes or telescopes. Macroscopes will reveal new insights into some of the most fundamental problems we face, such as the availability of food, water and energy.
Macroscope technology will transform many industries.
By aggregating, organizing and analyzing data on climate, soil conditions, water resources and their relationship to irrigation practices, for example, a new generation of farmers will have insights to improve the harvest.

These tools will also be able to analyze data collected by telescopes to predict asteroid collisions. Astrophysicists will know space even more. By bringing all of Earth's complex data together, macrosopes will allow us to analyze everything from new perspectives.

‘Labs on a chip’ will serve as health detectives to track diseases at the nanoscaleIn most medical cases, the earlier a disease is diagnosed, the more likely it is to be cured or well controlled. However, diseases like cancer or Parkinson’s are often difficult to detect as they lurk in our bodies before symptoms appear.

According to the IBM company, the Lab-on-a-chip technology would be of fundamental importance in the disease detection process, being able to track invisible clues in our body fluids to inform us whether or not there is a need to consult a professional in the area. doctor.

The chips will send information securely to the cloud, which will then be analyzed by AI systems. Diseases that normally could only be detected in large-scale laboratories will now be identified with Lab-on-a-chip technology. In short: a complete biochemistry laboratory in the palm of your hand.

Smart sensors will detect environmental pollution at the "speed of light"
By 2022, we will be able to detect environmental pollution almost instantly. Intelligent sensors embedded in the ground or equipped with drones will be able to identify pollutants in real time, without having to transfer samples back to a laboratory.

These new devices will be installed near natural gas extraction wells, around storage facilities and inside pipelines. By identifying any danger, they will alert the responsible authorities, reducing the risk of catastrophic events.

With sensors, we will be able to detect chemical leaks in real time; analyze and extract data from sensors to gain new insights into the spread of pollutants; combine data to detect new pollutants; and identify respiratory diseases.predicting the future

Although no one has the ability to predict the future, the technologies mentioned are already well developed by research teams around the world, which leads IBM to believe that achieving all these advances is not a question of if, but of when.