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ARTIFICIAL INTELLIGENCE-THE FUTURE OF TECHNOLOGY

Will heuristics lead to consciousness?

Computers perform complex calculations that no human could complete. Yet, they remain unable to think for themselves. That's something cognitive scientists want to change. Their research focuses on two types of thinking: CASE BASED and MODEL BASED REASONING. Case based reasoning compares similar problems. But these different approaches have the same problem. Their algorithms, like most routers, aren't always right.

-That's where heuristics come in. With heuristics, computers are avoiding that problem.

Instead of following rigid guidelines like regular algorithms, heuristics search for acceptable solutions. As these modified algorithms improve machine learning leaps forward. Advanced computers agents and robots now find solutions independently. Pattern recognition has even made computer vision possible. The range of what robots and computers can do grows each day. The invention of a self learning computer may soon be possible.

ACTIVITY 1=

1-Do you think robots will ever think like humans?

Yes, because technology is increasingly innovative and robots surpass the intelligence of humans.

2-Will artificial intelligence help or hurt business?

For me it can bring benefits to companies since machines can perform different tasks but at the same time it is bad because that will cause unemployment for people since they will replace humans with machines.

ACTIVITY 2=

Read the magazine article on artificial Intelligence. Then mark the following statements as true or false.

1- Case and model based reasoning face different complications. (True)

2- Heuristics don't have rigid guidelines like regular algorithms. (True)

3- Computer vision is improving pattern recognition. (True)

ACTIVITY 3=

Vocabulary:

Match the words (1-6), with the definitions (A-F).

1- Pattern recognition (C)

2- Cognitive scientist (F)

3- Consciousness (D)

4- Robot (A)

5- Heuristic (B)

6- Algorithm (E)

A-a machine capable of independent action.

B-a set of rules to solve a problem that seeks any solution.

C- the process of classifying objects by appearance.

D- a sense of oneself and one's surroundings.

E- a rule or set of rules to solve a problem with limited solutions

F- a person who studies how the mind works.

ACTIVITY 4=

Answer about Sophie the robot.

1-Who is Sophie?

Sophie is a robot capable of answering any question.

2-Is it possible that Sophie will be a real citizen?

No, he cannot be a real citizen even though he has already received a citizenship, it is still artificial and does not have the same social rank as a human.

3-Why do you think that humans want to create humans?

People create robots to help children, the elderly and disabled people, so they can explore new technologies.

4-Talk about Sophie and its characteristics. Why was it created for?

Sophie was created to be able to interact with humans realistically.