Artificial Intelligence

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What is Artificial Intelligence?

Answer: The power of a machine to copy intelligent human behavior.

Right???

Robots at Artemis

Are they really intelligent?

A robot is only as smart as its initial program.

Answer: The power of a machine to copy and learn from intelligent human behavior.

Artificial Intelligence VS. Robot

AI		Robot
AI		**Robot**
Programmed to think		Programmed to do
Social Interaction		Low level interaction
Learns		Only as smart as program

Artificial Intelligence Tests

Turing Test

Developed by Alan Turing

Involves an interpreter, a human, and a computer.

The computer and human have separate conversations with the interpreter.

If the interpreter can't guess which is the computer or if the interpreter gets it wrong then the computer has Artificial Intelligence.

Artificial Intelligence Tests

Imitation Game

Involves two tests

First test involves an interpreter, a male, and a female.

Female pretends to be male

Interpreter tries to figure out who is who

Second test is similar to turing test

Compares both tests

Artificial Intelligence Tests

Turing Test

Turing test the computer results to itself and not to humans

Imitation Game

Imitation game compares the robots results to human results

Examples

1.CleverBot

2.Autonomous Cars

3.Drones

4.Watson

Problems

Although AI is advancing it can still be problematic.
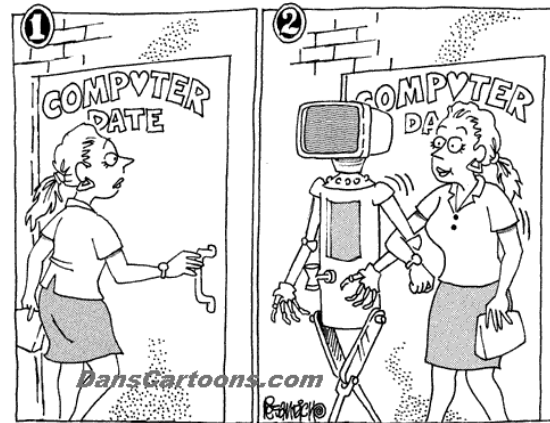
AI Controversies

Potential job takeover

Growing laziness

Growing Cost

Priority Argument

Robot Relationships?

Why it Matters

In the future AI is going to be everywhere.

It is important to know about it and understand it.

This is because we may be interacting with it on a day to day basis.

We learned at Artemis about the different robots that use AI

We also learned when robots need AI and when they don't.

Thank You!!