Intelligence can be defined as a general mental ability for reasoning, problem-solving, and learning. Because of its general nature, intelligence integrates cognitive functions such as perception, attention, memory, language, or planning. On the basis of this definition, intelligence can be reliably measured by standardized tests with obtained scores predicting several broad social outcomes such as educational achievement, job performance, health, and longevity. So take I mind both artificial and human intelligence try to achieve all of these goals mentioned.

(SLIDE)

Artificial intelligence (AI), sometimes called machine intelligence

Artificial intelligence is a branch of computer science that emphasizes on the creation of intelligent machines that work and react like humans. . It has become an essential part of the technology industry.Research associated with artificial intelligence is highly technical and specialized. The core problems of artificial intelligence include programming computers for certain traits such as:

(SLIDE)

Human Intelligence is defined as the quality of the mind that is made up of capabilities to learn from past experience, adaptation to new situations, handling of abstract ideas and the ability to change our own environment using the gained knowledge.

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**Nature of Existence-** Human intelligence revolves around adapting to the environment using a combination of several cognitive processes.The field of Artificial intelligence focuses on designing machines that can mimic human behavior.

**Memory usage-** Humans use content memory and thinking whereas, robots are using the built-in instructions, designed by scientists.

**Mode of creation-** Human intelligence is bigger because its creation of God and artificial intelligence as the name suggests is artificial, little and temporary created by humans.

**Learning process-** Human intelligence is based on the variants they encounter in life and responses they get which may result in millions of functions overall in their lives. However, for Artificial intelligence is defined or developed for specific tasks only and its applicability on other tasks may not be easily possible.

**Dominance-** Artificial intelligence can beat human intelligence in some specific areas such as in Chess a supercomputer has beaten the human player due to being able to store all the moves played by all humans so far and being able to think ahead 10 moves as compared to human players who can think 10 steps ahead but cannot store and retrieve that number of moves in Chess.

(SLIDE)

WHICH ONE WINS?

So i think both have their pros and cons but artificial intelligence has a slight edge over human.

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****Speed of execution** –** While one doctor can make a diagnosis in ~10 minutes, AI system can make a million for the same time.

****Operational Ability** –** They do not expect halt in their work due to saturation

****Accuracy** –** Preciseness of the output obviously increases

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So yeah in conclusion i do think Intelligent and super intelligent machines are the future of humanity.

Also all my presentation was all based on Gerd Leonhard s studies and researches.

Thanks.