



ARTIFICIAL INTELLIGENCE

A presentation by khloud

Group A

WHAT IS AI?



AI, or artificial intelligence, is the **ability of machines to learn from data and perform human-like tasks**. AI systems **learn by training**, where they are given a large amount of data and a set of instructions to find patterns and features in the data. AI systems can use different methods and technologies, such as deep learning and natural language processing, to achieve various goals, such as playing chess or driving cars.

It can also independently perform complex tasks that once required human input, such as **communicating with customers online or playing chess**.



EXAMPLES

Autonomous
vehicles

Chatbots

E-commerce

► used for various situations, but these AI can be
are some examples of AI in our daily life.

Navigation apps

Facial recognition

Text editors

SOFIA THE AI ROBOTS

- Sofia is a realistic humanoid robot capable of displaying humanlike expressions and interacting with people. It's designed for research, education, and entertainment, and helps promote public discussion about AI ethics and the future of robotics.



APOLLO THE AI ROBOTS

- Apollo is a general-purpose humanoid robot developed by Apptronik, announced in August 2023. Apollo was initially designed to operate in warehouse and manufacturing environments but will eventually expand into other areas like retail, construction, and elderly care.



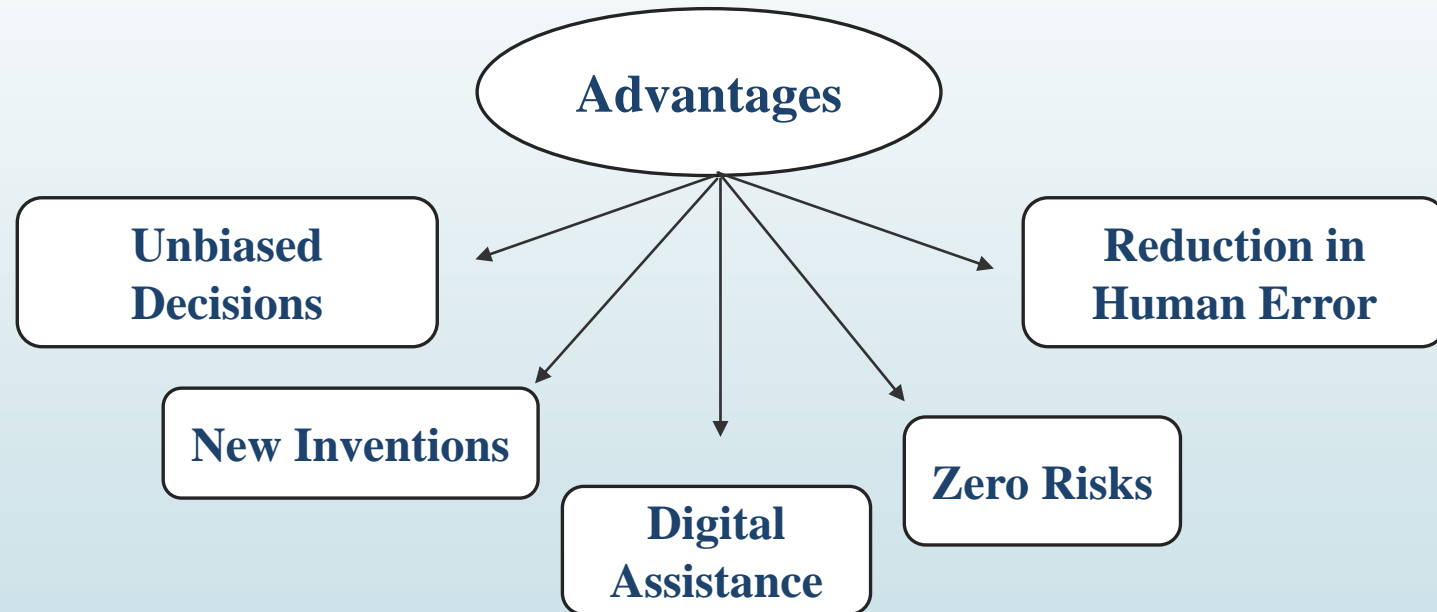


PROBLEMS CAN AI SOLVE

- **Cybersecurity** → detecting spam
- **Healthcare** → medical records
- **Research** → idea generation, finding data
- **Transportation** → self driving cars

As shown above, AI can solve a LOT of problems.

Advantages of Artificial Intelligence





Reduction in Human Error

- One of the biggest advantages of Artificial Intelligence is that it can significantly reduce errors and increase accuracy.

Zero Risks

- Another big advantage of AI is that humans can overcome many risks by letting AI robots do them for us.
- Whether it be defusing a bomb, going to space, exploring the deepest parts of oceans, machines with metal bodies are resistant in nature and can survive unfriendly atmospheres.



Digital Assistance

- Almost all the big organizations these days use digital assistants to interact with their customers which significantly minimizes the need for human resources.
- You can chat with a chatbot and ask them exactly what you need.

New Inventions

- AI has helped in coming up with new inventions in almost every domain to solve complex problems.
- A recent invention has helped doctors to predict early stages of breast cancer in women using advanced AI-based technologies.



Unbiased Decisions



- Human beings are driven by emotions, whether we like it or not.
- AI on the other hand, is devoid of emotions and highly practical and rational in its approach.
- A huge advantage of Artificial Intelligence is that it doesn't have any biased views, which ensures more accurate decision-making



Disadvantages of Artificial Intelligence

High Costs



AI requires a lot of time and resources to create and maintain, and can be very expensive.

Increase in unemployment



AI can replace human workers in many sectors, leading to job loss and social problems.

Make Humans Lazy



AI can make humans dependent on machines and reduce their mental and physical abilities.

No creativity



A big disadvantage of AI is that it cannot learn to think outside the box.



HOW CAN WE USE AI RESPONSIBLY?

People should use their own creativity, not copy off of AI! AI is just a tool for efficiency!

AI can help do repetitive work for humans, but humans should still be prioritized. Create a culture that utilizes creativity, empathy, and dexterity from humans and AI for increased efficiency. Be aware of financial costs and AI risks.



**Thanks
for
listening!**