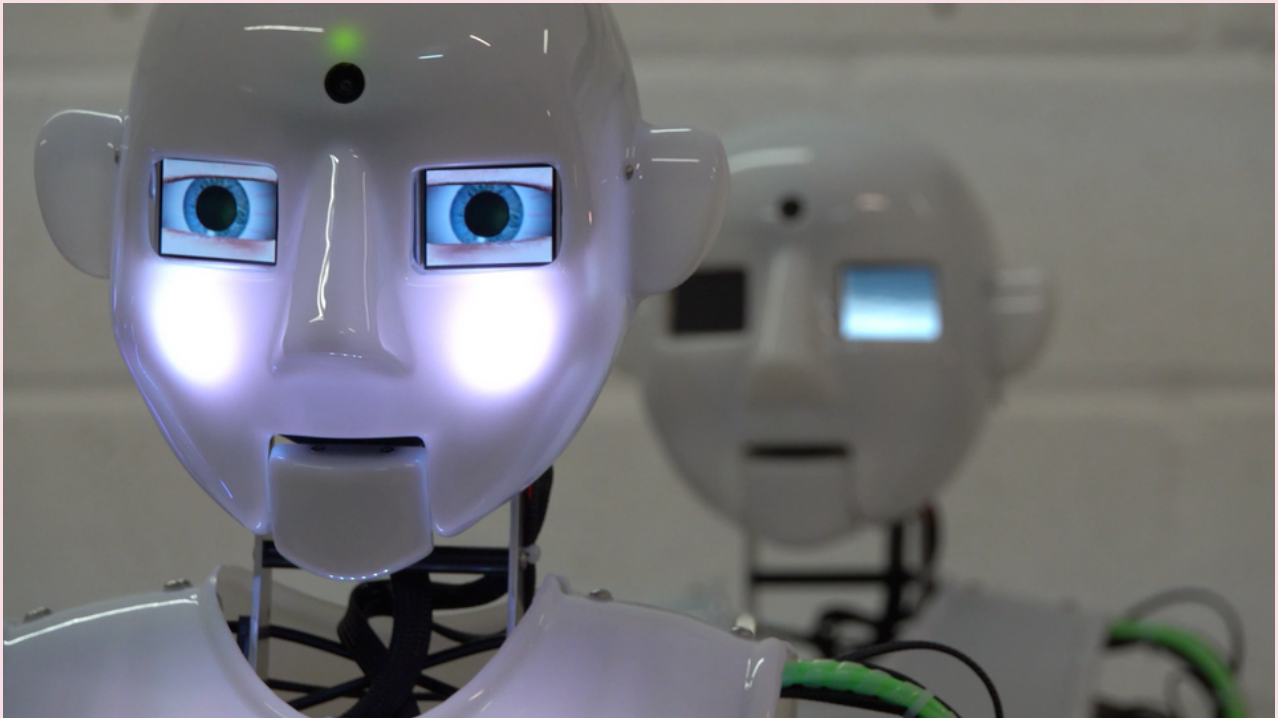


Spotlight On... Artificial Intelligence

AI Unleashed: The Ethics of Artificial Intelligence



About this video



SPOTLIGHT ON... ARTIFICIAL INTELLIGENCE

AI Unleashed: The Ethics of Artificial Intelligence

You've heard of AI, but have you ever thought about its ethical dimensions? This video explores some of the ethical considerations surrounding AI, including privacy, bias, transparency, and accountability. Gain a deeper understanding of the potential ethical challenges and implications as we navigate the impact of AI in our society.

Essential question:

What are the ethical issues behind artificial intelligence?

Key vocabulary:

artificial intelligence

consequences

ethics

privacy

accountability

employment

autonomy

human rights

Learning intention:

Learn about the ethical concerns behind artificial intelligence.

Before watching

Activating prior knowledge

Ask students if they have used AI recently, and if so, what was it for (e.g. ChatGPT, image generators for social media, etc.)?

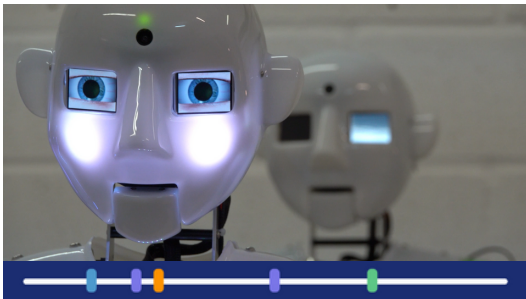
Ask them to explain how they engage with these AI services. Focus on the stage where they input data. Ask them:

- When users input data into an AI service, do they still maintain ownership over that data?
- If an AI service learns from user input and shares that knowledge with other users, does it constitute a breach of copyright?

Whilst watching



Watching individually



Have students watch the interactive created for immediate feedback and solo viewing.

After watching

Below are two activities to extend students' learning and check for understanding.

Activity 1: Ethical dilemmas

Students will explore real-world uses of AI technologies and the ethical concerns that arise from them to understand their impact.

- Divide the students into pairs or small groups and provide each group with a scenario from the *Scenario Cards* provided. Each card describes an everyday scenario that involves AI but results in ethical concerns across areas of privacy, copyright, accountability, employment, autonomy, and human rights.
- Instruct the pairs/groups to discuss the scenario provided and identify the potential ethical dilemma/s that arise. Encourage them to think creatively and view the scenario and its consequences from multiple perspectives.
- After the discussion, ask each group to present their scenario and the ethical dilemma/s to the rest of the class. Encourage questions and facilitate a class discussion to explore the different perspectives and implications of the scenario.
- Conclude the activity by summarising the potential ethical concerns associated with AI technologies in various industries and in people's personal lives. Emphasise the need for ethical considerations, data privacy, and responsible implementation of AI.

Support:

Offer simplified scenarios or provide scaffolding to highlight the ethical issues involved with the scenarios.



Extension:

Students can research and analyse a real-world case study related to AI and ethics. They should investigate the ethical dilemma, its implications, and the responses taken by relevant stakeholders. They can write a short reflection discussing the ethical concerns, potential solutions, and lessons learned from the case study.

They can also explore the long-term impacts on society, policies, and regulations in relation to AI technologies in that particular industry.



Activity 2: AI and legal frameworks

Students will research international frameworks that address the ethical considerations of AI in relation to human rights.

- Divide the class into small groups.
- Each group is to examine the Universal Declaration of Human Rights, the European Union's General Data Protection Regulation (GDPR), and other international guidelines and regulations focusing on the articles that directly relate to AI and human rights.
- Based on their findings, each group is to create a comparative analysis of the selected international frameworks and guidelines in the context of AI and human rights. They should identify similarities, differences, and areas of potential improvement or gaps in the ethical considerations addressed by these frameworks.
- Groups are to prepare their analyses in a formal report or digital presentation and present them to the class.

Support:

Assign students one of the international frameworks and provide them with the relevant articles from it relating to AI and human rights. They can prepare a summary of the articles and provide examples of how they can help protect people in one of the scenario cards from **Activity 1**.



Extension:

Based on their analysis, students can propose recommendations for enhancing the protection of human rights and individual autonomy in the context of AI technologies within a chosen industry. They should consider practical measures and specific guidelines that can be implemented to address the identified ethical concerns.



Conclusion

Ask students to respond to the essential question posed at the beginning of the lesson.

Ask if they still have any questions about the content presented in the video. Discuss and answer these questions as a class.

Scenario Cards

<p>A popular social media platform uses AI algorithms to recommend personalized content to its users. However, users discover that the platform's AI has been collecting and analyzing their private messages without their explicit consent.</p>	<p>A photographer captures a stunning image and uploads it to a stock photography website. Later, they discover that an AI-powered image generator has created a nearly identical image using their original work without their permission.</p>	<p>A company implements an AI-based hiring system to streamline its recruitment process. However, it becomes evident that the AI algorithm is systematically biased against certain demographics, leading to discriminatory hiring practices.</p>
<p>An AI-powered surveillance system is deployed in public spaces to monitor and identify potential criminals.</p>	<p>A voice assistant device accidentally activates and records a private conversation without the user's knowledge.</p>	<p>A manufacturing company replaces a significant portion of its workforce with AI-powered robots, resulting in mass layoffs.</p>
<p>An autonomous vehicle is involved in a collision, causing property damage and human injuries.</p>	<p>A government agency employs AI algorithms to predict criminal behavior and identify potential threats.</p>	<p>An AI chatbot is designed to provide mental health support and counseling to users. However, users question the AI's suitability to handle sensitive and complex human issues.</p>
<p>A healthcare organization utilizes AI algorithms to diagnose diseases and recommend treatments. However, patients question the lack of transparency and understanding behind AI-based medical decisions.</p>	<p>A financial institution adopts AI algorithms to make investment recommendations to its clients. However, it is revealed that the AI system is heavily biased towards promoting high-risk investments that benefit the institution, leading to substantial financial losses for unsuspecting clients.</p>	<p>A news organization employs AI-powered content generation to produce news articles. However, it becomes apparent that the AI has been generating and disseminating false information, leading to misinformation and manipulation of public opinion.</p>

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