Ethics in Data Science

Ethical dilemmas faced in daily life involving technology

Group discussion on ethical dilemmas faced in daily life involving technology.

1. 1 Dilemma: Using smart home devices like Alexa or Google Home offers convenience but at the cost of privacy, as these devices are always listening.

    Ethical Question: Is the convenience worth the potential invasion of privacy?

1. 2. Dilemma: Apps and services ask for personal data to personalize user experience, but this data can be used for profiling or sold to third parties.

    Ethical Question: Should one trade personal information for a tailored service?

1. 3 Dilemma: Employers might use software to monitor productivity, keystrokes, or even webcam surveillance.

    Ethical Question: Where should the line be drawn between monitoring for business efficiency and respecting employee privacy?

1.4 Dilemma: Encountering and deciding whether to share or refute misinformation on social media platforms.

    Ethical Question: Do you contribute to the spread of false information or risk social backlash by confronting it?

1.5 Dilemma: Young people posting online content that might affect future job prospects or personal reputation.

    Ethical Question: Should freedom of expression be curtailed for the sake of future opportunities?

1.6 Dilemma: Using health apps that collect sensitive health data, which could be vulnerable to breaches.

    Ethical Question: Is the health benefit of tracking worth the risk of data security breaches?

1.7 Dilemma: Programming self-driving cars to make life-or-death decisions in unavoidable accident scenarios.

Ethical Question: How should these vehicles be programmed to choose the lesser of two evils?

1.8 Dilemma: The ease of altering images with software for social media or news, leading to misinformation.

Ethical Question: When does photo editing become misleading or unethical?

1.9 Dilemma: The ability to bully or harass others online under the cover of anonymity.

Ethical Question: Should platforms enforce identity verification to combat cyberbullying?

1.10 Dilemma: The use of AI to automate jobs, leading to unemployment in certain sectors.

Ethical Question: Is it ethical to prioritize efficiency and profit over human employment?

Ethical Question: Do you contribute to the spread of false information or risk social backlash by confronting it?