6B: Issues with artificial intelligence

AI heavily embedded in many aspects of modern living-> bringing power and efficiency to healthcare, media, law enforcement etc.

AI= many positive benefits, but also issues for society.

Contents:

- Responsibility issues + recommendations
- Privacy issues + + recommendations

Responsibility

Driverless cars

- In the future will be more reliable, more convenient and safer than the cars we drive today.
- But inevitably there will be issues: who will take responsibility when an accident is caused by AI? Not a simple question to answer.
- Decisions in driverless cars are taken by complex algorithms, but they cannot cater for every single scenario. Complex when it comes to critical decisions- e.g. a driverless car has to decide between the life of a passenger and the life of a pedestrian.

Healthcare

- If an AI surgeon harms the patient who is to blame? Programmer? Doctor? The machine itself?
- When the boundaries of responsibility are blurred between the user, programmer & data trainer they can all blame each other.

Recommendations

- New regulations.
- Thorough testing.
- Every AI scenario accounted for.

Privacy

- AI and machine learning feed on data.
- Companies have huge amounts of data: collected with or without the user's consent. Helps companies make their services more targeted and efficient.

Unintentional misuse

- E.g. girl in America buying baby items suggested she was likely to be pregnant. Baby product coupons were sent by the company. but the girl was still a teenager and she hadn't told her parents that she was pregnant.

Deliberate misuse

- E.g. a Russian facial recognition app used by regimes to find dissidents/ protesters. millions of casual users photographs were used.
- Human imitation: possible to create digital content of people doing and saying things they didn't actually do or say. this would make it impossible to trust digital content.

Recommendations

- Regulate information collecting and sharing.
- Anonymize and protect user data.
- Users should exercise caution when sharing content online.