

# How could we prevent information from dividing our society?

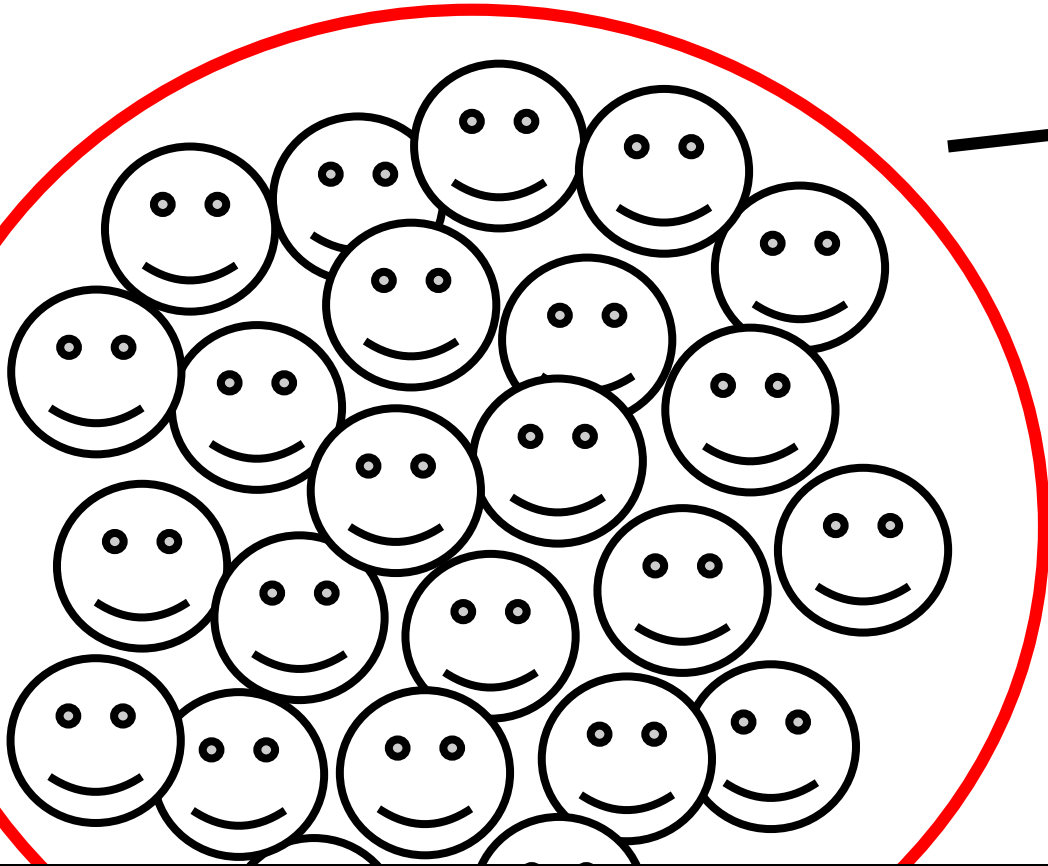
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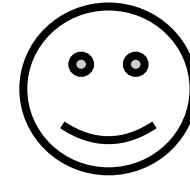
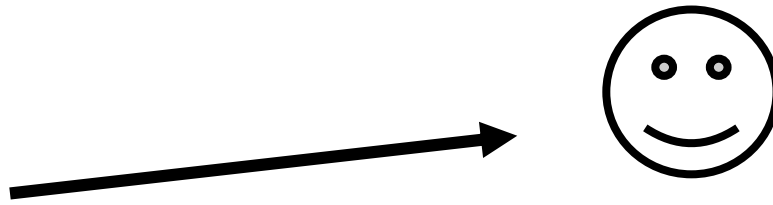
# What are key social science issues and gaps in the area of robotics, automation and AI?

- IoT, big data and AI could be used to detect and/or help people suffering, sometimes without anyone's knowledge, from diseases, poverty, abuse, exploitation, unfairness and other social injustice.
- However, these technologies seem to be used more often for relentless pursuit of benefit or power by large companies and authorities, resulting in **infliction of harm on already socially vulnerable people**.
- Thus, ICT helps **intensify discrimination and widen the divides in our society**.

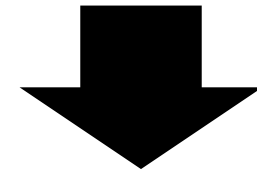
# Where statistics goes wrong



80% out of this group have a tendency toward violence



This guy comes from that group, therefore will be violent with the probability of 80%



This guy is dangerous, so let us remove him.

# Which areas are opportunities in the area of robotics, automation and AI?

- Instead of greedily pursuing profit, efficiency and power, we can use these technologies in order to **find, help and empower vulnerable people.**
- Medical science and practice, social welfare, or education are obvious fields.

How can these opportunities be advanced by UK and Japanese researchers coming together?

- We can together develop ways to evaluate **how ethically a technological product is designed and used.**
- We should focus not only on how much profit it will bring to the users, but on **where the profit will come from, who will be exploited, whether it is safe against abuse, what short- and long-term effects it will have on our values.**
- In addition, we could explore ways **to promote people's ethical and rational thinking and behaviours by embedding morality and other values in the designs of technological artefacts.**