

Data Ethics

Tutorial

Your reactions

- What did you think of the “shaming voters to vote” study in the use of publicly available data? - **if it's available are we free to use it?**

Your reactions

- What did you think of the HireVue facial expression AI machine?

Your reactions

- Would you get into a self-driving car?

Question 1

- What are the ethical implications of Edward Snowden's 2013 theft of National Security Agency documents?
(you'll need to educate yourself on what he did if you don't already know)
 - a) What did he do? What did he expose?
 - b) Independent of what Edward Snowden did, what are the ethical implications of what the US NSA and UK GCHQ were doing? Think about **privacy, security** and **confidentiality**;
 - c) Keeping your own political views aside, comment on the implications of what Edward Snowden did regarding **privacy, security** and **confidentiality**;
 - d) What is your personal view of the **ethics** of his actions?

Edward Snowden and Privacy

- Excerpt from “Citizenfour” movie (2015)
<https://youtu.be/EDhB-A23IUk?t=5787>
1:36:12 – 1:39:53
- Have we lost our privacy?

Question 2

Think about a bank trying to create a risk score for its current and future customers

- What characteristics would it be illegal to include?
- What characteristics would it be unethical to include?

Would it be legal or ethical to include ethnicity? Why or why not?

Question 3

- What does ethical practice in Data Science look like to you?
- How would you define Data Ethics?

Human Rights Act 1993

Discrimination occurs when a person is treated unfairly or less favourably than another person in the same or similar circumstances, for example on the grounds of race, sex, sexual orientation, religious belief, age, body size, marital status, country of origin or disability.

The types of areas of life that are covered are:

- dealings with government or public sector agencies
- employment
- access to public places, vehicles and facilities
- provision of goods and services
- provision of land, housing and accommodation
- access to education

In general, our human rights laws don't cover behaviour between private individuals.

[Citizens' Advice Bureau <http://www.cab.org.nz/vat/gl/roi/Pages/DiscriminationandHumanRights.aspx>]

Ethical questions and examples

- Edward Snowden
- Fighting terrorism vs liberty
- Data linkage; IDI data linkage – data improvement vs privacy
- Statistics NZ responsibilities – release of unit record data (2012 Act)
- Algorithms classifying people – Teacher example from WMD book introduction
- Social capital ratings and rankings in China
- Interference in democratic elections – data science used for political ends
- 2008 crisis – mathematical models make crises worse