LEGAL AND ETHICAL ISSUES

Rationale

- We live in the era of Big Data
 - a huge amount of data is being collected and analysed effectively.
- The census, Huduma No....
 - we want data privacy but ...
 - we also want the government to provide services efficiently



Data Confidentiality vs Data Analysis

- At the doc's...
- •we want our information to be private
- øbut...





Data Confidentiality vs Data Analysis

- We want to be free to send messages to all and sundry but...
- •we also want terrorists to be caught before they attack

Data Confidentiality vs Data Analysis

- Legal and ethical challenges of emerging tech.
- E.g. major advancements in technology that allows us to manipulate things just by the power of thought.
- With EEG you can control video games, machines, cars...

PLAYING THE GAME "PONG" WITH EEG

Neuroelectrical Imaging and BCI Lab (NEILab) Fondazione Santa Lucia, Roma, Italy http://www.neilab-fsl.it/



World of Warcraft using the Emotiv EPOC

Data Confidentiality vs Data Analysis

- E.g.:
- Mind manipulated killing in a video game :(
- Using a headset costing a few thousand shillings you can think your way to fast car driving, murder, mayhem ...
- EEG monitors now easily available in the market

Data Confidentiality vs Data Analysis

- One firm creating these kits, Emotiv, collects brain data
 - ofrom their > 100,000 users in >100 countries
 - Mhys

Data Confidentiality vs Data Analysis

To improve its apps

E.g.: when gaming, you control the character with your mind, freeing up your hands to do other things.

"For science".

E.g.: paraplegics can control their wheelchairs with their mind.

Data Confidentiality vs Data Analysis

- Will this lead to mind reading?
- Maybe.
- If it does, is that ok?
- Unlimited potential for misuse...

Data Confidentiality vs Data Analysis

- ©E.g: zero freedom of thought/privacy
 - ødissident thoughts = worrying
 you are being listened to,
 - > harm, discrimination, jail...
 - You will self-censor.

Data Confidentiality vs Data Analysis

If your brain is monitored 24-7 you become afraid to test the truth of/reject ideas.

Propaganda can then be spread easily

We should think of safeguards before it's too late.

What is Ethics?

- Derived from the Greek word Ethos, meaning habit or custom.
- Shared set of societal values/principles that help differentiate right from wrong.
- Are ethics the same as law?

Ethics vs Law

- @No.
- But usually form the basis for laws.
 - Laws are also specific to the jurisdiction.

Ethics vs Law

- A law tells us to do or not to do something.
- This implies there is a recognised, established authority.
- This authority decided the allowed/forbidden action is beneficial to society.

Ethics vs Law

- ©Ethics: what should I do?
- @Law: What can I do
 (legally)? ...

The Difference between Ethics and Laws

- Ethics: internalised principles shaping our decisions.
- Laws external rules which if we disobey society can punish us.

What is Ethics?

- Though the values are shared not everyone will be ethical.
- Laws thus enforce ethical behaviour.
- You can also enforce it by ostracising "deviants".

Legality versus Ethicality

- Many times, laws apply clearly in our decisions.
- They lead directly to the appropriate ethical conclusion.
- However we can also have bad laws.
- Dangerous to rely solely on them for moral guidelines...

Legality versus Ethicality

- Something can be legal but not ethical (and vice versa)...
- True?
- olf yes, examples?

Legality versus Ethicality

- Jennifer Wagner (1991)'s taxonomy on the relationship between ethics and law provides a framework for understanding how ethics and law interact in various contexts.
- It emphasises the dynamic and evolving nature of this relationship, as both ethical considerations and legal frameworks adapt to societal changes and technological advancements.
- 4 categories ...

Legality versus Ethicality

Consensus:

there is alignment and agreement between ethical principles and legal regulations.

Conflict:

- ethical principles and legal regulations are in direct opposition.
- Adhering to one set of principles may mean violating the other.

Legality versus Ethicality

Ambiguity:

- there is uncertainty or lack of clarity regarding the relationship between ethics and law.
- Ethical considerations may exist, but the legal framework is unclear or incomplete, leaving room for interpretation.
- This is esp so with emerging tech.

Legality versus Ethicality

Gap:

- between ethics and law:
 - ethical principles and legal regulations do not entirely align.
- Ethical norms may call for certain behaviours or standards that are not explicitly addressed or required by existing laws.
- Organisations and individuals may voluntarily adopt ethical practices beyond what is legally mandated.

Legality versus Ethicality

- We can fit these categories into 4 possible states of the relationship between ethics and law:
- I = An act that is ethical and legal
- II = An act that is ethical but not legal
- III = An act that is not ethical but is legal
- IV = An act that is not ethical and not legal

Legality versus Ethicality

- I = An act that is ethical and legal (the act is ethical and codified in law).
 - □ Thus **consensus**. E.g. legislation that
 - protects individuals' privacy (e.g. Kenya's Data Protection Act, 2019)
 - this is in line with the ethical principles of respecting personal boundaries
 - criminalises discrimination due to race, gender, disability etc.

Legality versus Ethicality

- II = An act that is ethical but not legal
 - euthanasia/assisted suicide? Crossing red lights?
 - Conflict: e.g. between the ethical principle of freedom of speech and laws that impose censorship.
 - Ambiguity: Emerging technologies often fall into this category as ethical concerns may precede the establishment of comprehensive laws.
 - Gap: The ethical norms are not explicitly addressed or required by existing laws.

Illegal BUT Ethical!

- Swiss UBS Bank
 vs Whistleblower
 Christoph Meili
- Liechtenstein Tax Harbour Banks vs thieves selling data; white hat hackers?



Illegal BUT Ethical!

- Panama papers How the rich exploit secretive offshore tax regimes/havens.
 - 11.5m files LEAKED from the database of the world's fourth biggest offshore law firm, Mossack Fonseca.
 - 12 national leaders among 143 politicians, their families and close associates
 - Kalpana Rawal

Illegal BUT Ethical!

- Whistleblower = "John Doe"
- Why did he do it? "simply because I understood enough about their contents to realise the scale of the injustices they described".
- "Life in danger".
- Willing to help prosecutors if granted immunity from prosecution.

Legality versus Ethicality

III = An act that is not ethical but is legal

- Conflict fits in here as well.
- many many examples... (see following slides)

IV = An act that is not ethical and not legal

- Consensus (the law and ethical principles align)
- Nyayo/Nyati house activities in the 80's and 90s.

Legal BUT Unethical!

- The Facebook-Cambridge Analytica data scandal
 - ouser data collected and used for political profiling and targeted political advertising without their informed consent (technically legal under FB's T&Cs and the prevailing data privacy regulations)

What is Ethics?

Are ethics the same as religion?

Are ethics the same as religion?

No.

They are shared values whose source could be religion.

Ethics vs Morals

Ethics vs Morals

■ Morals:

- the practice of ethics.
- an individual's innate sense of what is good

Ethics vs Morals

- Morals usually learned from religious beliefs
 - These beliefs are usually similar
 - e.g. thou shalt not steal

Ethics vs Morals

- However:
 - Is abortion moral?
 - What about the death penalty?
 - Same sex marriage? or discrimination on the grounds of sexual orientation?

Ethics vs Morals

- Morals: an individual's innate sense of what is good
- •We expect companies to be ethical.
- Yet they are not individuals.