

He is looking at you,  
what do you say  
to the friend sitting  
next to you...?

(What *kinds* of  
conversation  
emerge here?)



## SCIENCE

Material composition

"How much do they weigh, what are they made from?"

## ECONOMICS

Financial incentives

"How much do they cost? Will they sell more at a discount?"

## LAW

Political rules

"Are these legal?"

## ETHICS

Human values

"Is my privacy worth more than his freedom?"



*Levels of conversation*

# ETHICS DEFINITION - *WHAT IS ETHICS?*

## 1. Way of conceiving reality

In terms of human values, opposed to:

- physical qualities
- financial benefit
- legal requirements
- customs/traditions
- religious dictates
- ...

## 2. *Evaluation*

What is worth having, intrinsically?

Does facial recognition technology create more, or less, personal freedom? Dignity? Social wellbeing? Is it fair? For whom?



# WHAT COUNTS AS A VALUE (IN ITSELF)?

|                |                    |
|----------------|--------------------|
| Happiness      | Prudence           |
| Vitality       | Temperance         |
| Health         | Civility           |
| Integrity      | Fidelity           |
| Autonomy       | Honesty            |
| Privacy        | Gratitude          |
| Dignity        | Reparation         |
| Courage        | Do unto others...  |
| Fairness       | Respect            |
| Solidarity     | Equality           |
| Wellbeing      | Loyalty            |
| Safety         | Authenticity       |
| Accountability | Non-maleficence    |
| Beneficence    | Non-discrimination |
| Creativity     | Virtue             |
| Uniqueness     | Etc...             |



## ETHICS DEFINITION + COROLLARIES

Conceive reality / justify decisions in terms of human values

### Corollary 1

Learning ethics like learning a language

### Corollary 2

Doing ethics is not about selecting right from wrong, so much as producing better and worse evaluations and privileging values

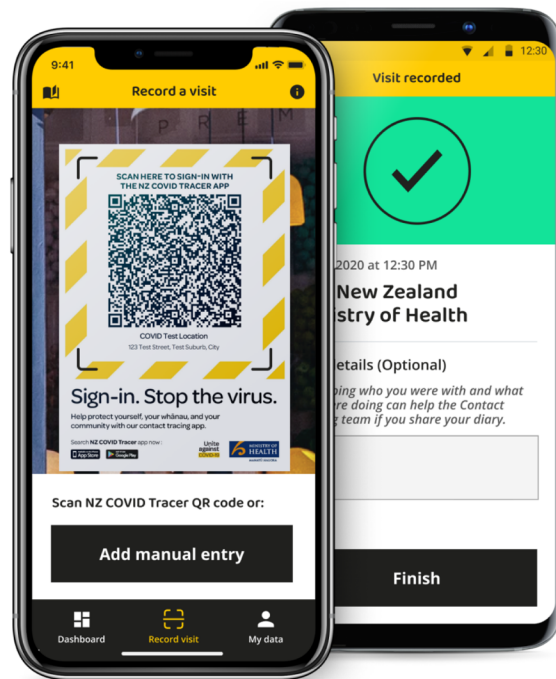
\*if there were simple right and wrong, we would study it in elementary school – like plus and minus in math – and be done with it.

## CASE: COVID TRACER APP

Evaluate ethically: *Do you impose it?*

Yes? No? Based on what justification?

What values are at stake?



# CASE: COVID TRACER APP

## Primary ethics

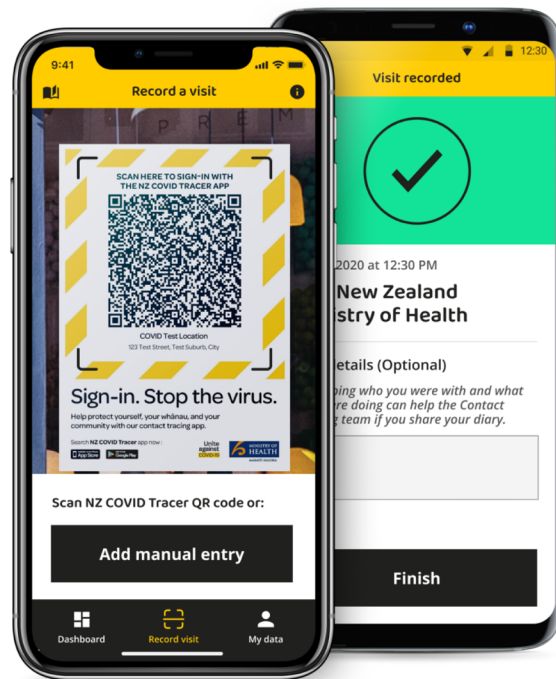
Render Covid tracing app in terms of human values as opposed to economics or law...

(Privacy versus social wellbeing as opposed to economic incentives or stated rules.)

## Secondary ethics

Privilege a value → decide whether app is used

\*Opposed to deciding right/wrong  
→ there is no right/wrong here, but there is ethics



## OUTLINE

What is ethics? Definition

- Conceive reality in terms of human values
- Make/Justify decisions in terms of human values

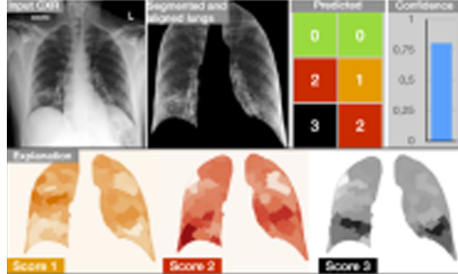
Ethics and law: How are they related?

What is ethics? How many values/principles?

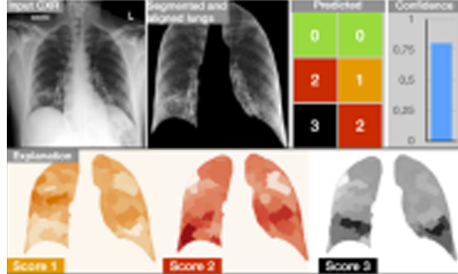
ETHICS AND LAW: How are they related?

Rain and snow, or rain and Mondays?

## ETHICS AND LAW/BRESCIA CASE BACKGROUND



CASE: YOU ARE THEM, WHAT DO YOU DO?



# ETHICS AND LAW/BRESCIA COVID CASE

## Rain and snow

When the law does not - cannot - work because situation beyond anticipated realities = turn to ethics for more flexibility in harmony with law.

- For deciders, ethics *naturally/organically* works in harmony with law



# ETHICS AND LAW/BRESCIA COVID CASE

## Rain and Mondays

*The waiver was decided by the Guarantor for the protection of personal data, which is an independent Italian administrative authority established by law no. 675, to ensure the protection of fundamental rights and freedoms and respect for dignity in the processing of personal data.*

For deciders, ethical decisions **independent** of legal considerations



## OUTLINE

What is ethics? Definition

- Conceive reality in terms of human values
- Make/Justify decisions in terms of human values

Ethics and law: How are they related?

- Organic or independent?

What is ethics? How many values/principles?

## VALUES/PRINCIPLES: HOW MANY TO BE EFFECTIVE?

Flexibility versus specificity to be useful in real world  
(Driverless car recognizing stop sign example...)



Justice



Vitality  
Health  
Autonomy  
Privacy  
Dignity  
Courage  
Fairness  
Solidarity  
Wellbeing  
Happiness  
Safety  
Integrity



Prudence  
Temperance  
Civility  
Fidelity  
Honesty  
Gratitude  
Reparation  
Do unto others...  
Respect  
Equality  
Loyalty  
Authenticity

|            | Consolidated Principles, Acceleration AI Ethics | Ethics Guidelines for Trustworthy AI (EC) | Data Ethics Commission (Germany) |
|------------|-------------------------------------------------|-------------------------------------------|----------------------------------|
| Individual | AUTONOMY                                        | HUMAN AGENCY & OVERSIGHT                  | SELF-DETERMINATION               |
|            | DIGNITY                                         |                                           | HUMAN DIGNITY                    |
|            | PRIVACY                                         | PRIVACY & DATA GOVERNANCE                 | PRIVACY                          |
|            | FAIRNESS                                        | DIVERSITY, NON-DISCRIMINATION, FAIRNESS   |                                  |
| Social     | SOLIDARITY                                      |                                           | JUSTICE & SOLIDARITY             |
|            | SOCIAL WELLBEING                                | SOCIETAL & ENVIRONMENTAL WELLBEING        | SUSTAINABILITY                   |
|            |                                                 |                                           | DEMOCRACY                        |
|            | PERFORMANCE                                     |                                           |                                  |
| Technical  | SAFETY                                          | TECHNICAL ROBUSTNESS & SAFETY             | SECURITY                         |
|            | EXPLAINABILITY                                  | TRANSPARENCY                              |                                  |
|            |                                                 | ACCOUNTABILITY                            |                                  |
|            |                                                 |                                           |                                  |