

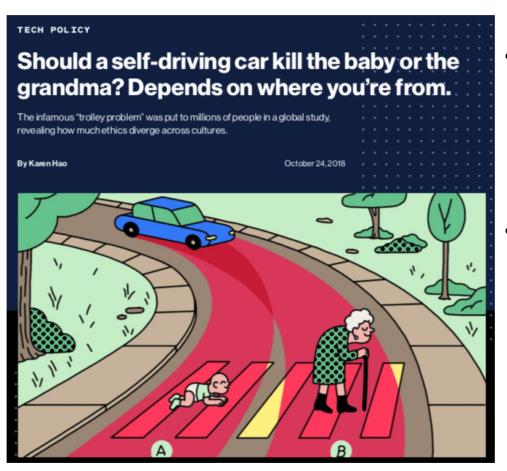
How to translate universal principles to local realities: The Chilean experience in Al

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The AI version of the trolley dilemma

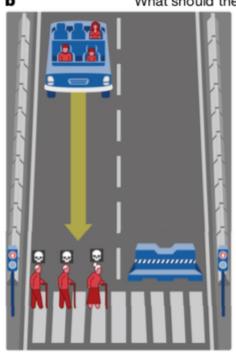


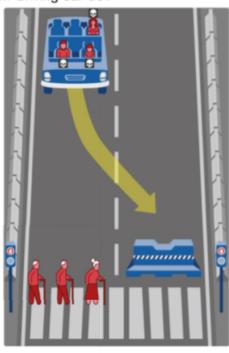
- Should a self driving car avoid a pedestrian in the road or deliberately hit a single pedestrian if it means avoiding a larger group of people?
- The decision about killing the baby or the grandma is an updated version of the old trolley dilemma.



Results of the moral machine experiment

What should the self-driving car do?





- Online experimental platform.
- 40 million decisions from millions of people in 233 countries/territories.
- Different scenarios about what should the self-driving car do (ie. kill the baby or the grandma).
- The data generated provided insight into the collective ethical priorities of different cultures.

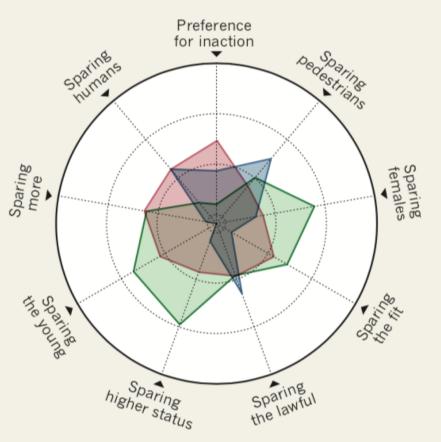


Results indicate that there is no universal moral code

MORAL COMPASS

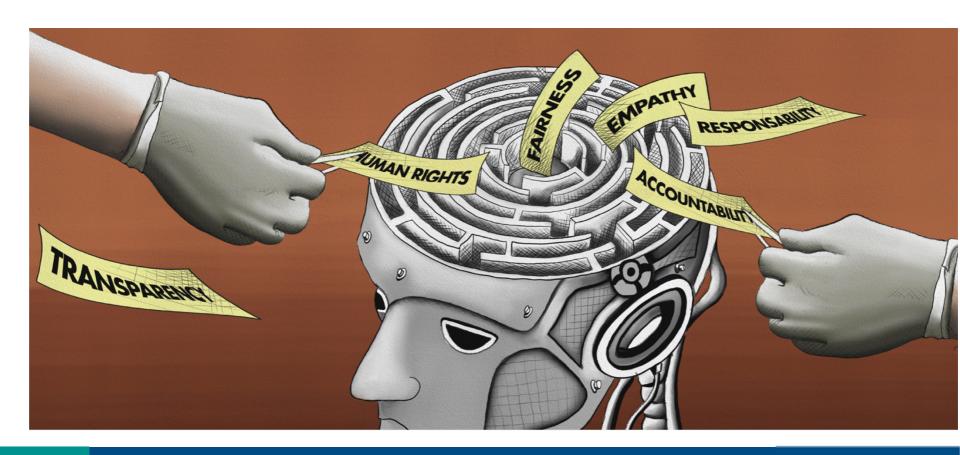
A survey of 2.3 million people worldwide reveals variations in the moral principles that guide drivers' decisions. Respondents were presented with 13 scenarios, in which a collision that killed some combination of passengers and pedestrians was unavoidable, and asked to decide who they would spare. Scientists used these data to group countries and territories into three groups based on their moral attitudes.







The challenges of machine ethics

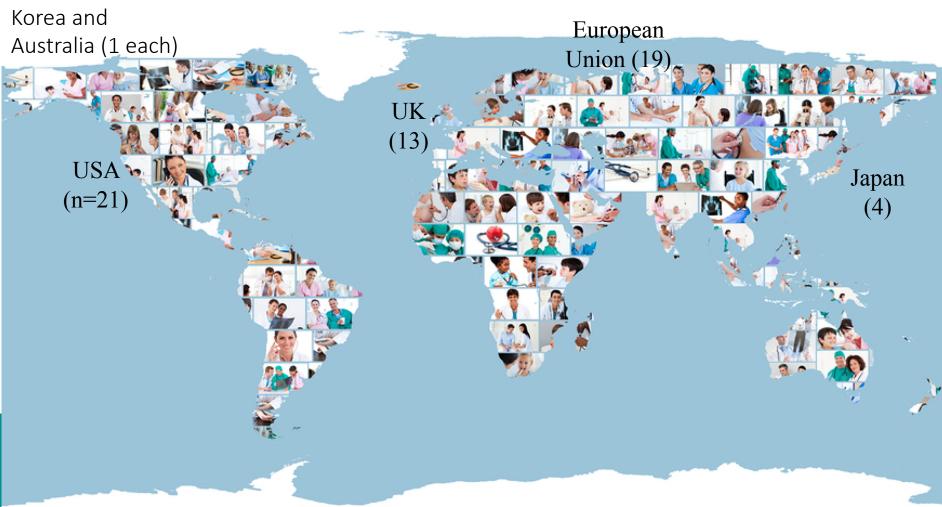


Picture credit: Foto en https://revistaidees.cat/es/reflexio-sobre-letica-en-letica-de-la-ia/

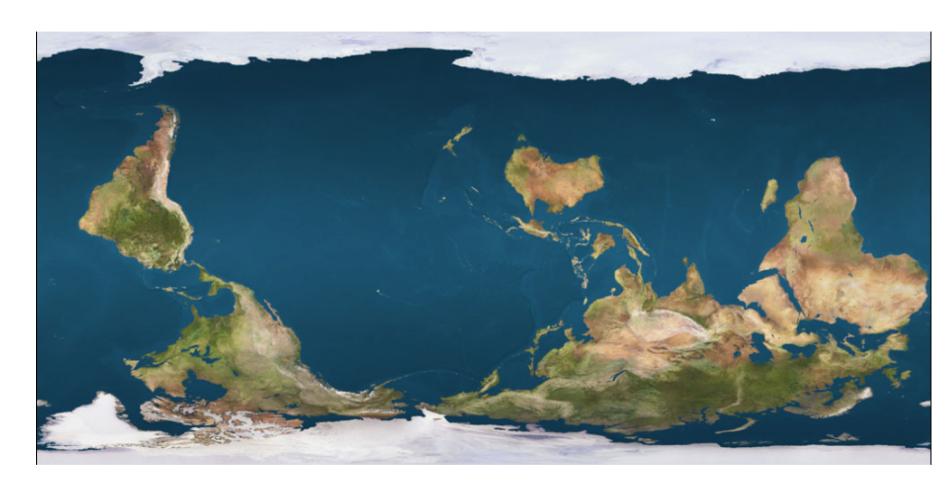


World distribution of AI guidelines

Canada, Iceland, Norway, the United Arab Emirates, India, Singapore, South Korea and



South – up map orientation¹





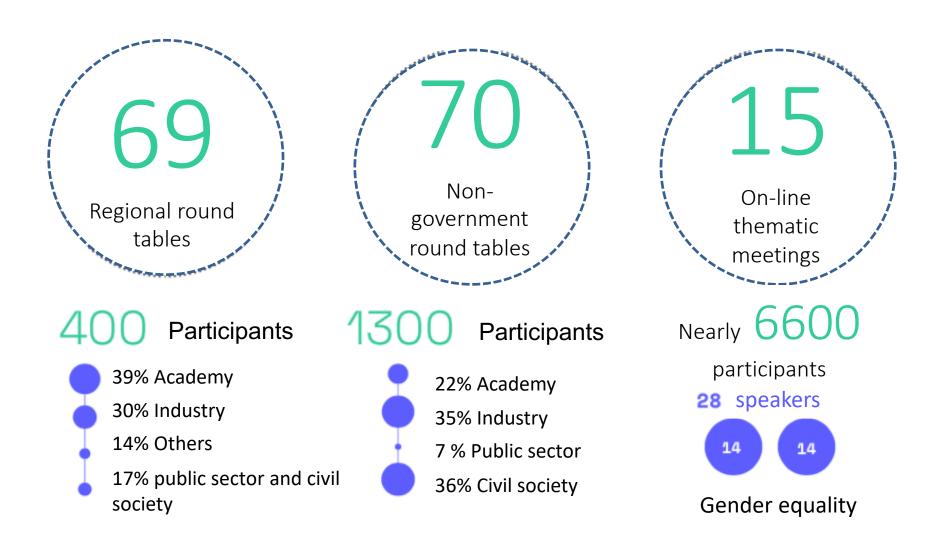


Chile needed to have local standards on the development and use of AI in order to position the country as a world hub for data science, entrepreneurship and innovation ecosystem.

Initiative was organized by the Chilean National Council of Innovation for Development.

Al was examined from multiple perspectives and disciplines.

From the beginning, there was an intention to be inclusive and participative.



Cross-cutting principles of Chilean AI policy



Al with focus on the well-being of people:

- respect to human rights
- security



Al for sustainable development:

- promote the use and development of technology
- Strengthen the ecosystem and the incorporation of AI as an axis of the sustainable development.



Inclusive AI:

- Manage possible biases
- With gender and cultural diversity

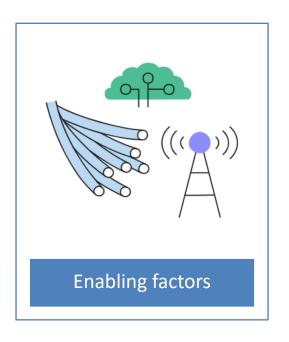


Globalized and evolving AI:

- Insertion of Chile in the global context
- Aligned with agreements that Chile has signed (such as the OECD Principles on AI)



Main Chilean policy axis

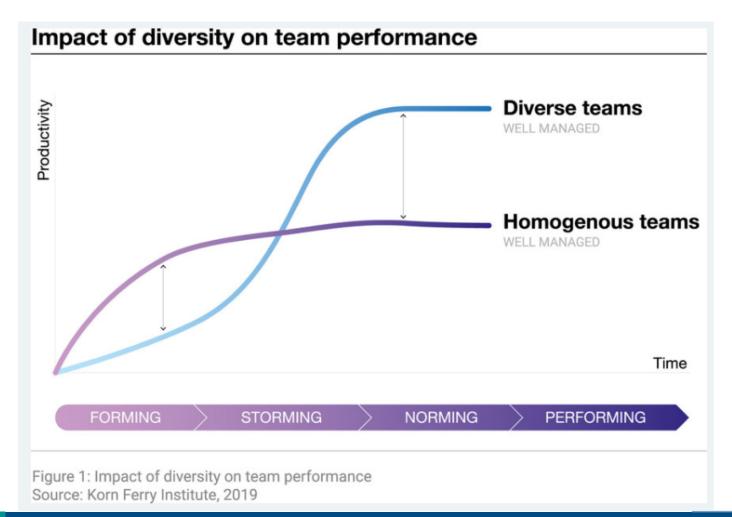






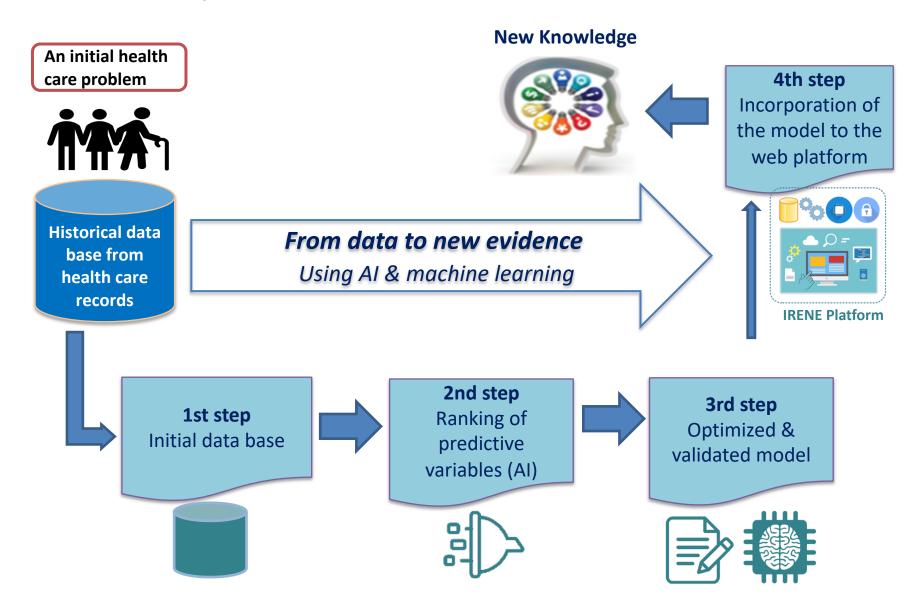


The importance of diversity



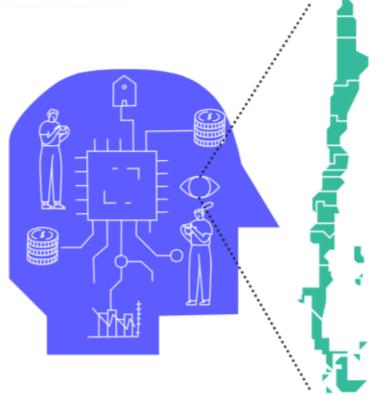


An example of a Chilean research based on Al





Conclusions



- There is need to avoid "value imperialism".
- Each country should have/develop its own Al policy.
- This process should be participatory & inclusive.

