



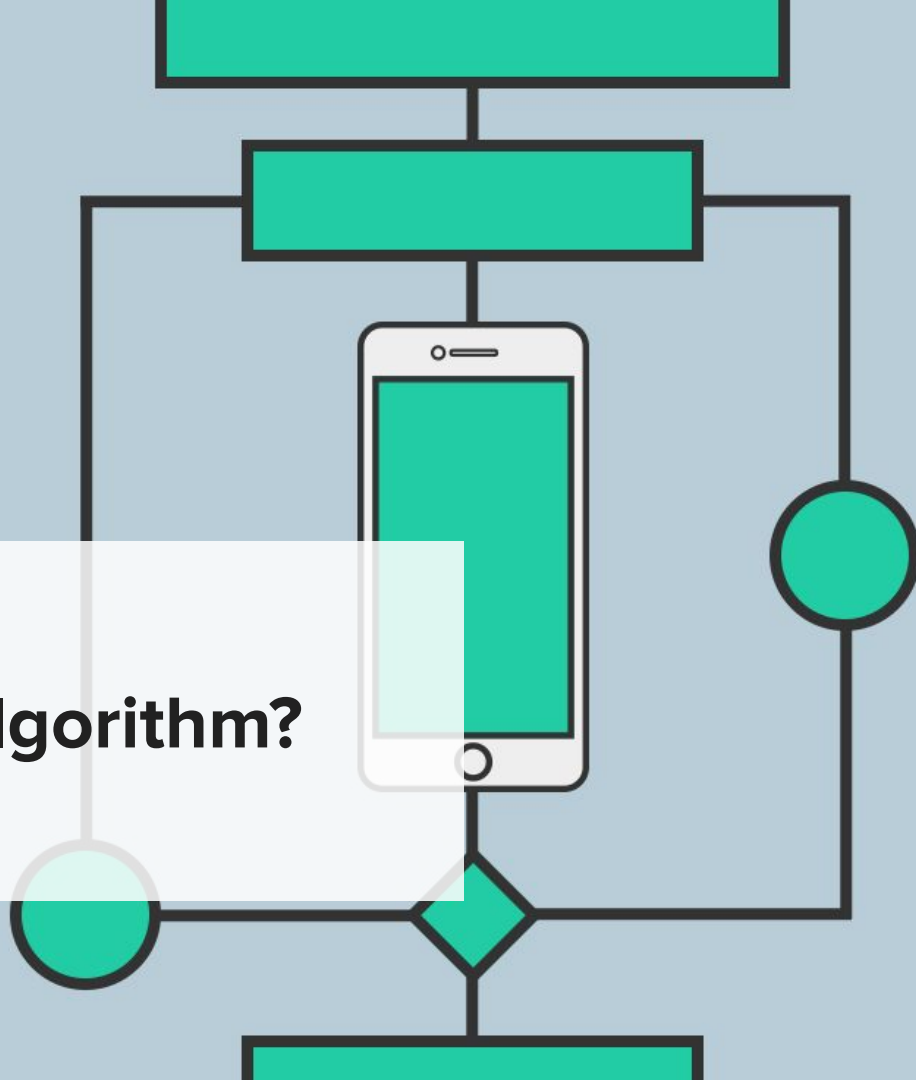
R3D

Red en Defensa
de los Derechos Digitales

Biometric storm Mexico case study

Grecia Macias
R3D

What's an algorithm?



Models that represents and interpret our reality

Artificial intelligence

Let's change the narrative

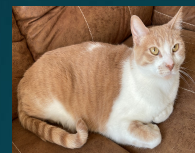
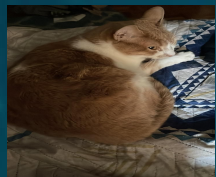


Machine Learning

Automated systems that analyze data, recognize patterns and replicates these patterns to “make decisions”



Basic functions



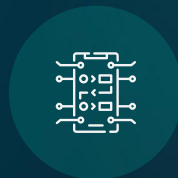
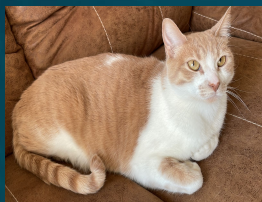
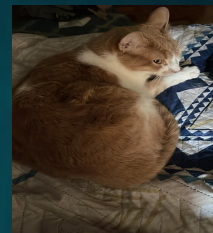
Raw Data

Cleaning
databases

Feature
extraction

Creation of
labels and
classes





Raw data

Cleaning databases

Feature extraction

Creation of labels and classes



Types of errors

1

False acceptance/
False positive



2

False reject/
False Negative

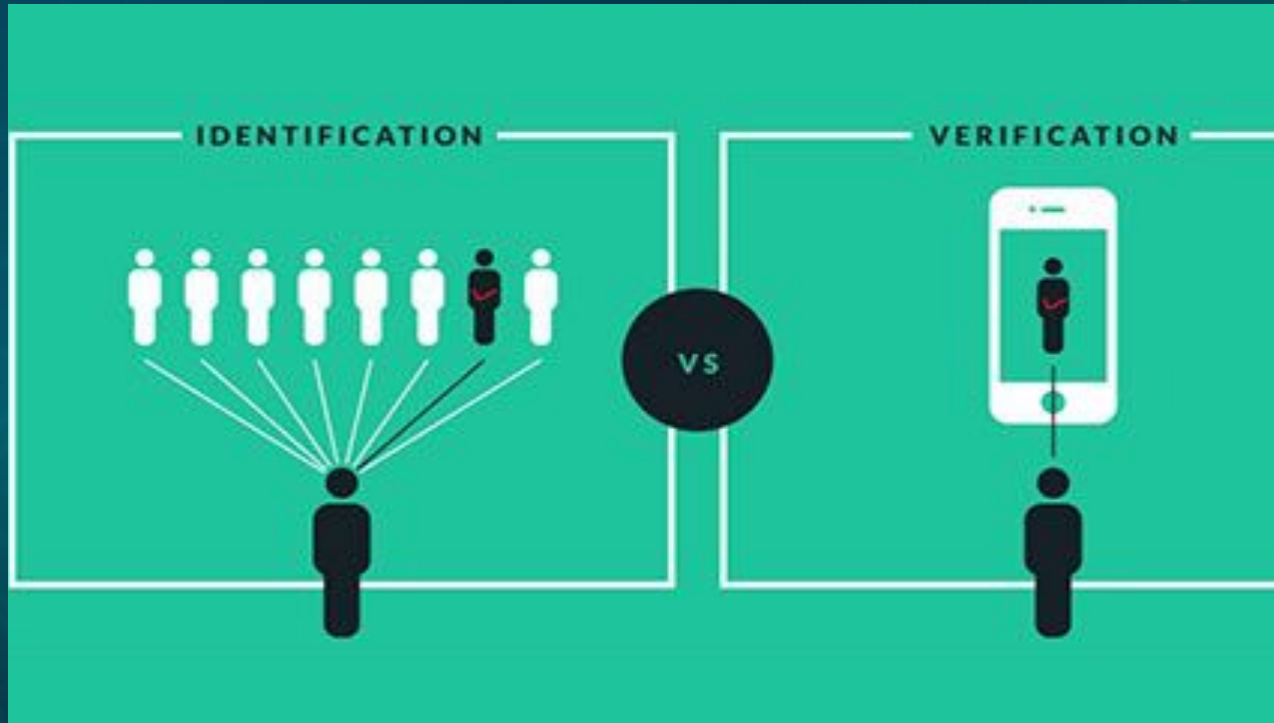


3

Failure to
integrate

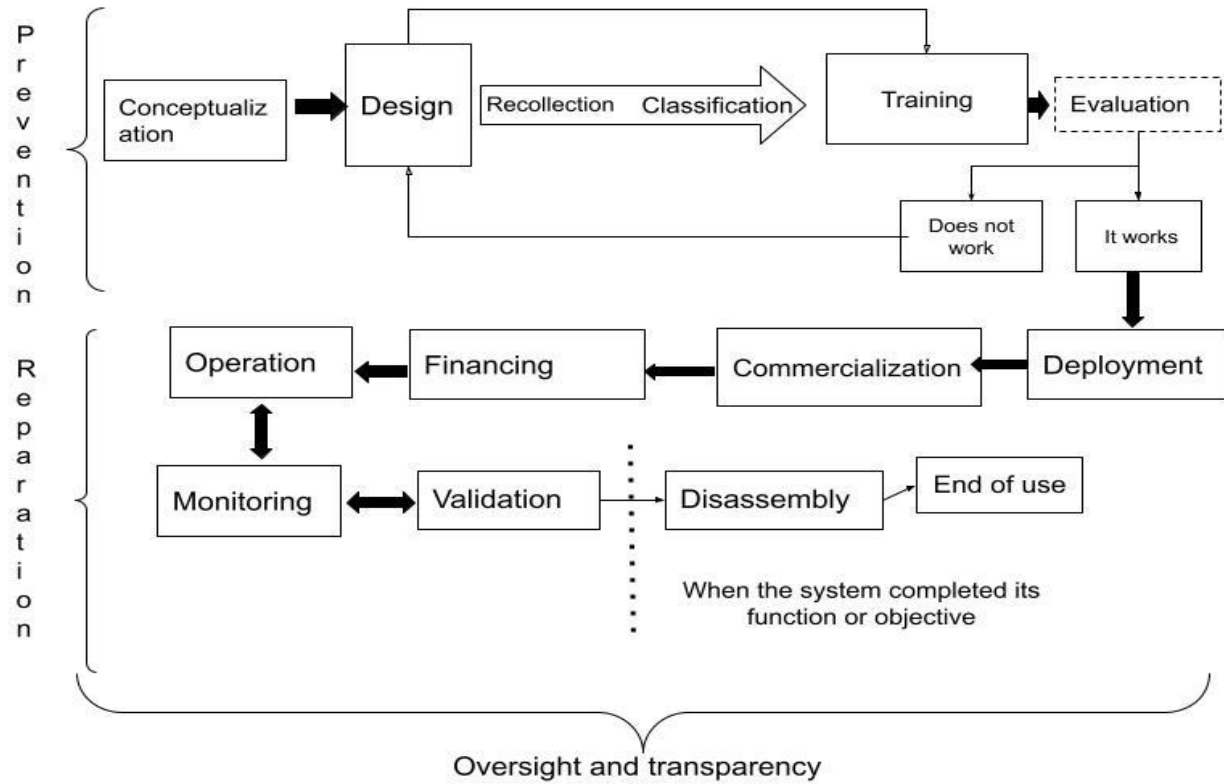


Biometric processes



Consequences of mistakes





Human rights implications

- Privacy
- Freedom of speech
- Freedom of association
- Non-discrimination
- Presumption of innocence
- Due process



México biometric storm

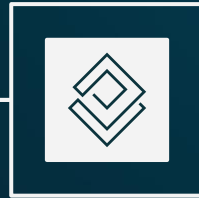
State-level facial recognition
use for law enforcement

Street surveillance



Private use

FRT at home, at work, at
stadiums, everywhere



PANAUT / Biometric
national id / passport

Biometric id / databases



Airports / Borders

FRT and biometric systems
against migrants



Hall of fame for stupid justifications from the state

FRT will help to keep our streets safe

Law enforcement

Our best tool against the war on cartels

National security

It's easier for people to use biometric technology than remember a password

Convenience

Algorithms can't fail, they are more efficient than us

**AI nightmare
techno-solutionism**

"What do you have to hide?!"

**Blatant mass
surveillance**

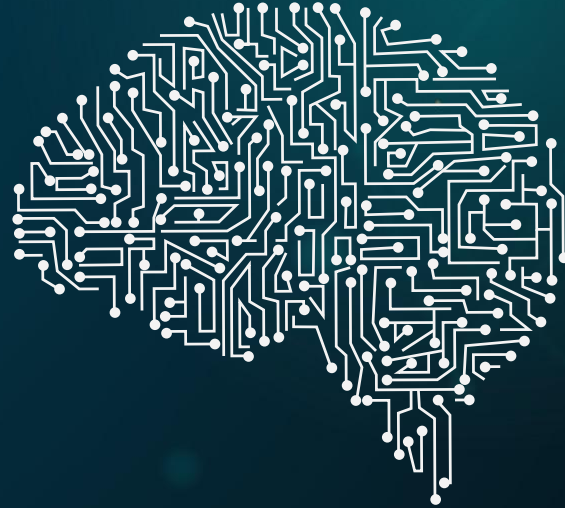
You are trying to obstruct progress

**Can someone please
think of the tech bros?**



Main questions

- What kind of training databases were used?
- Where does the data come from? Was it collected legally?
- What kind of benchmarks were used?
- What kind of databases are being used for cross reference? Frequency of error rate
- What kind of mistake occurred?
- Sensitivity and Specificity rate
- Consequences: risks and harms



Groups at risk



Human rights defenders Journalists

Feminists / BLM



Migrants

Border surveillance /
Biometric IDs.

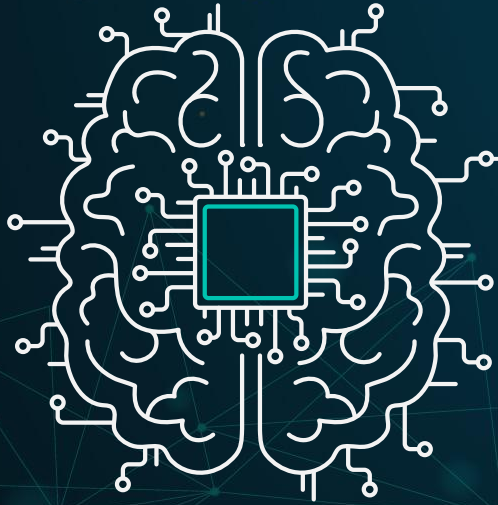


POC

FRT that has been used to
target ethnic minorities and
POC.



#NO AL PADRÓN CAMPAIGN



Advocacy strategy

Since the draft bill was discussed at Congress. Campaign to make the Data protection agency to challenge the constitutionality of the PANAUT

Amicus Curiae with sign ons

Litigation strategy

Litigation platform where we make an Amparomatic. More than 50k people presented their amparo against the PANAUT.

An old ineffective strategy

Renaut was proposed in
Congress

2008

2009

RENAUT legislation is
published

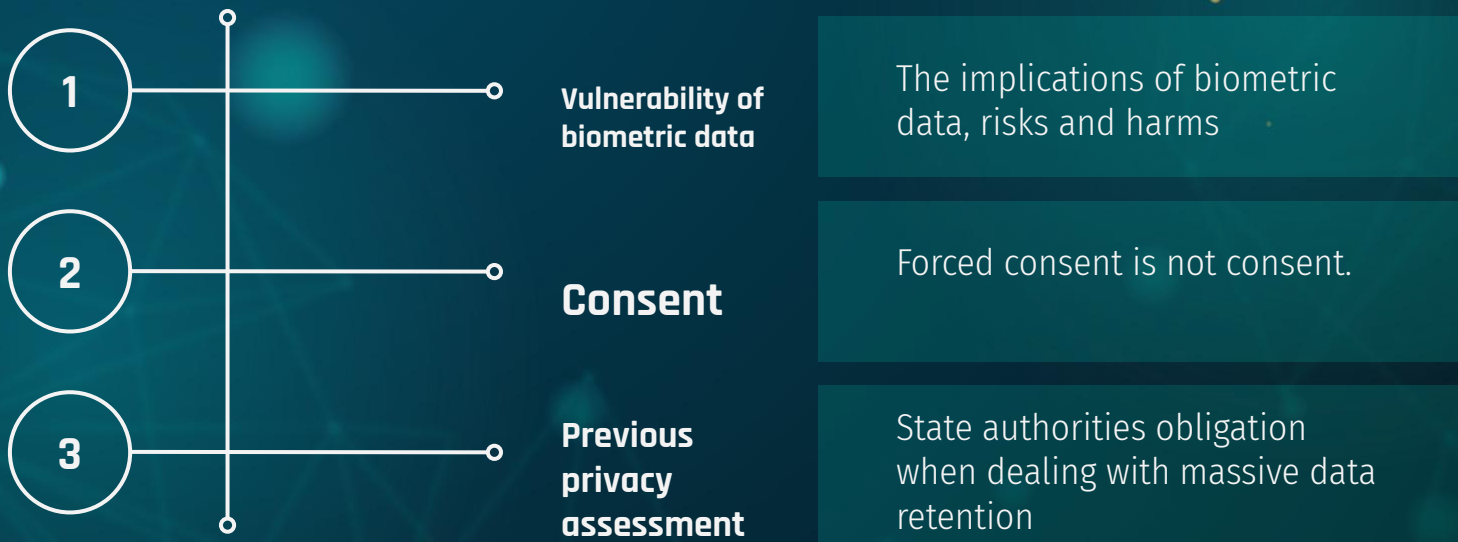
Renaut legislation is
repealed

2011

2021

PANAUT legislation is
approved

Key points from the resolution



Thank you

Grecia Macias



@ateneam

grecia@r3d.mx

Linked in: Grecia Macias

<https://www.linkedin.com/in/grecia-macias>

**R3D : Red en Defensa de los
Derechos Digitales**



www.r3d.mx

@R3DMX



R3D

Red en Defensa
de los Derechos Digitales