"I have given up on privacy, Google (Facebook, Amazon, …) knows everything about me anyway!"

M-A—PPS [Mobility Analysis for Pandemic Prevention Strategies]

Observation?   Information?
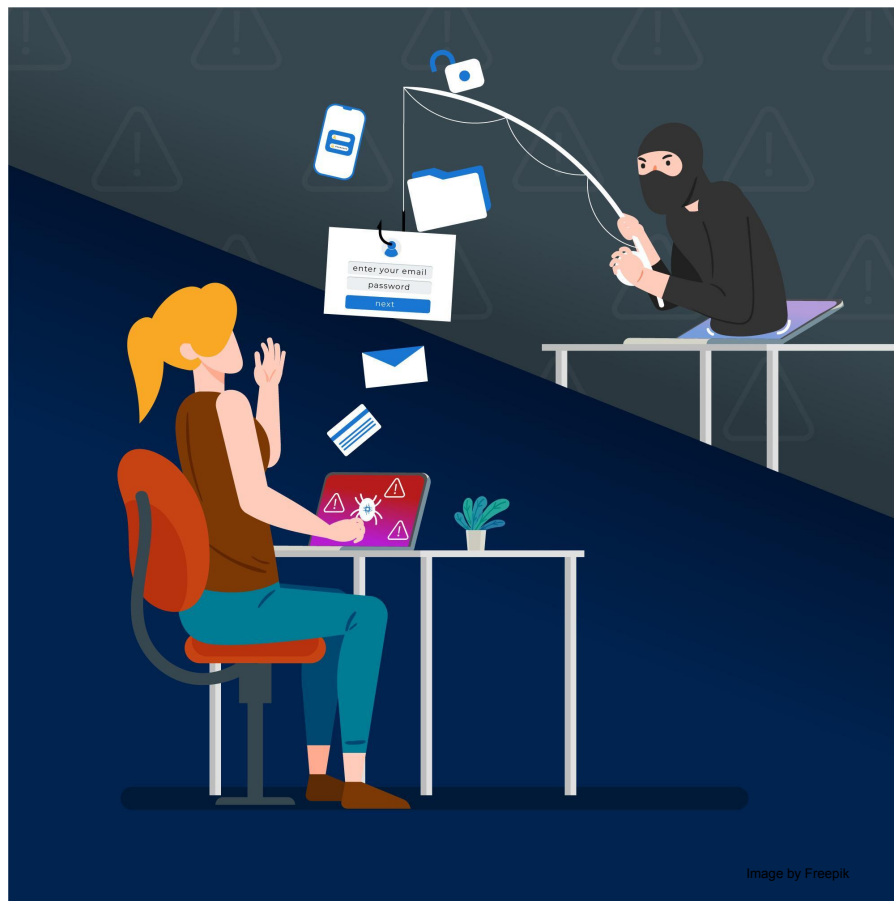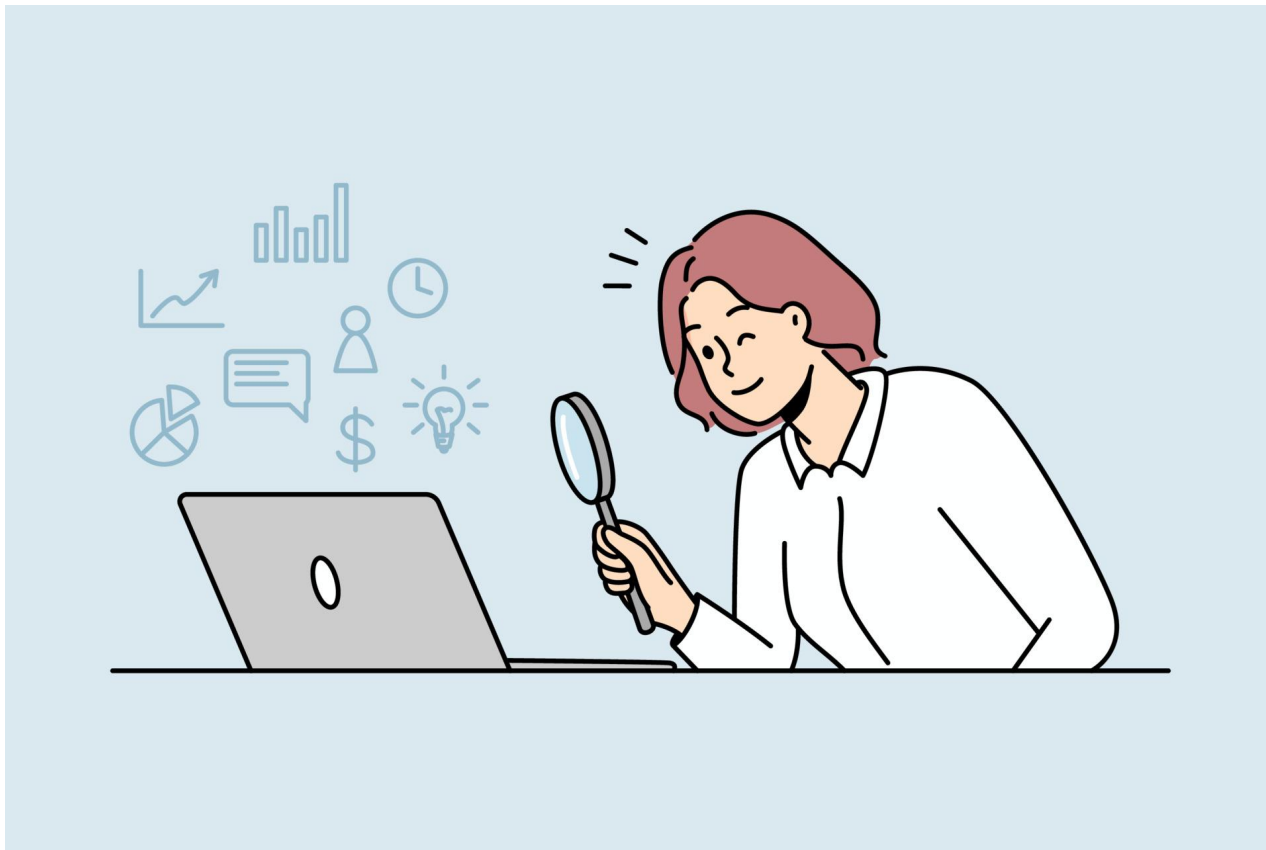
Image by Freepik

M-A——PPS [Mobility Analysis for Pandemic Prevention Strategies]
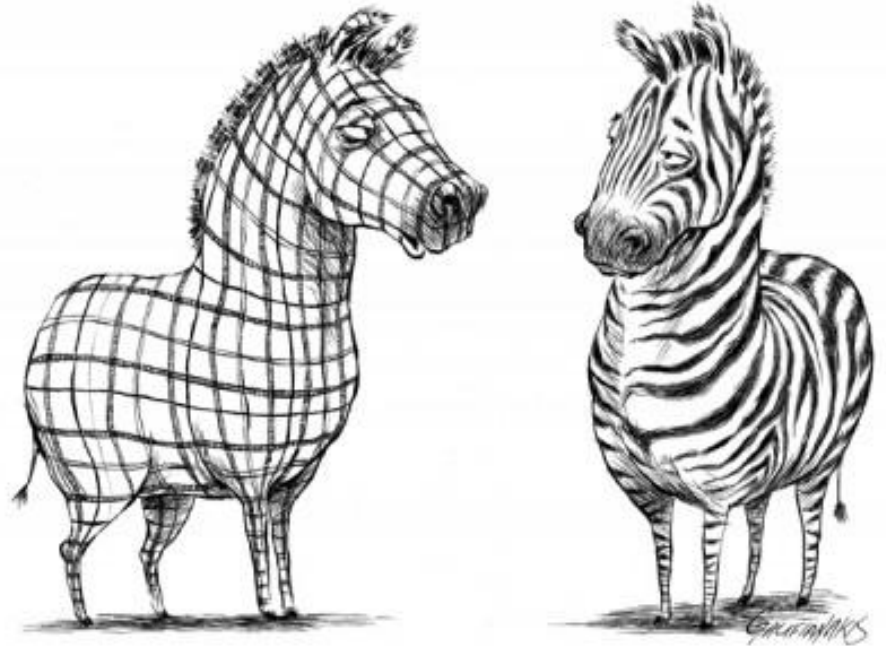
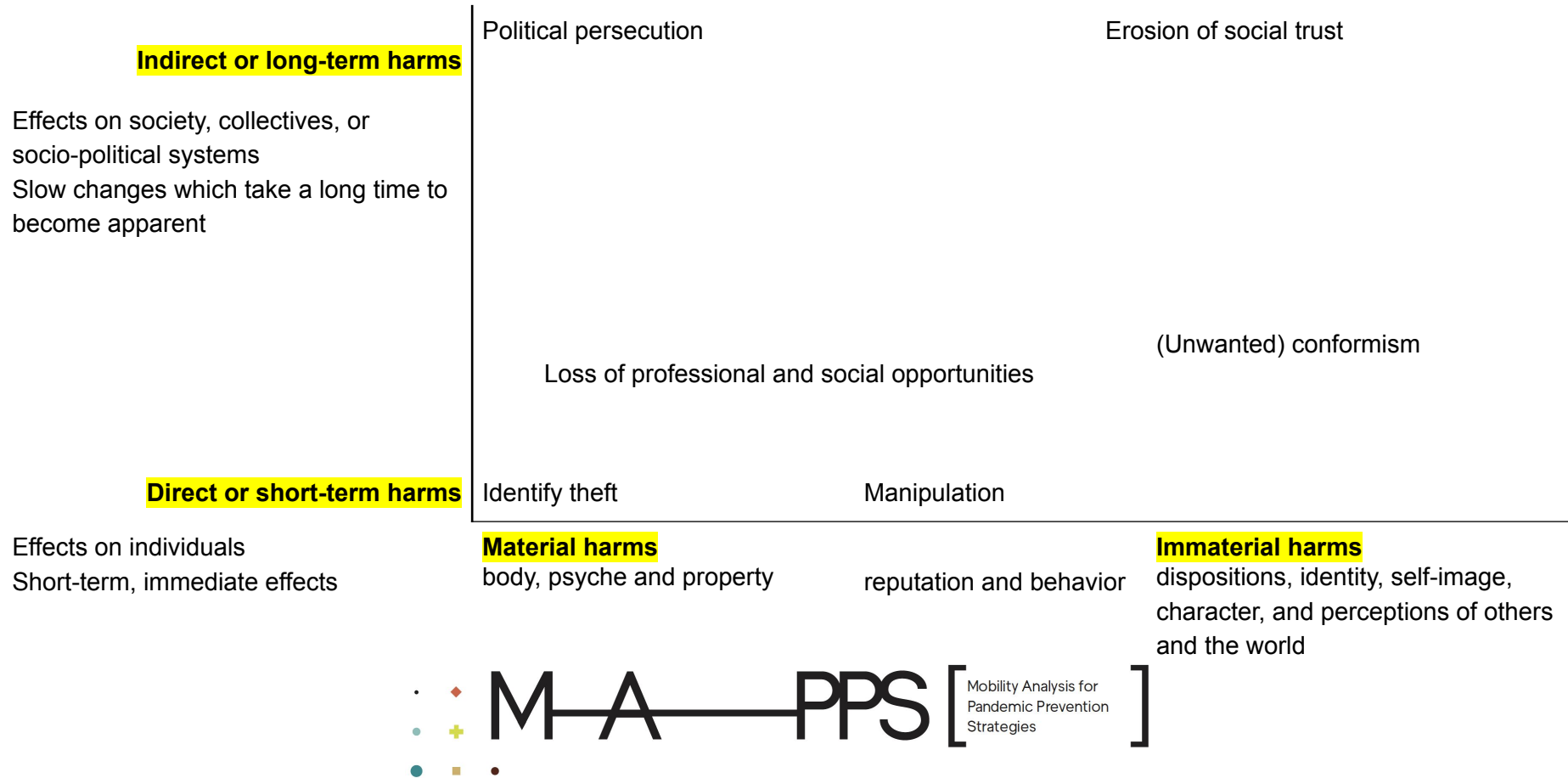# Instrumental value of privacy

Individual

- Identity development
  - Preferences
  - Attitudes
  - Opinions
- Enables trust
- Protects against material harms

Collective

- Prerequisite for democracy
  - Formal
  - Material
- Social cohesion
- Prevents power imbalances

M-A—PPS [Mobility Analysis for Pandemic Prevention Strategies]

Privacy threat modeling

Indirect or long-term harms

Effects on society, collectives, or socio-political systems
Slow changes which take a long time to become apparent

Political persecution

Erosion of social trust

(Unwanted) conformism

Loss of professional and social opportunities

Direct or short-term harms

Identify theft

Manipulation

Effects on individuals
Short-term, immediate effects

Material harms
body, psyche and property

reputation and behavior

Immaterial harms
dispositions, identity, self-image, character, and perceptions of others and the world

M-A—PPS [Mobility Analysis for Pandemic Prevention Strategies]

How to mitigate threats to privacy?

- Don't observe, don't collect
- Limit information density
- De-identify and prevent re-identification

- Protect data once collected
    - Encrypted storage
    - Encrypted transmission

- Be transparent to subjects of data
- Provide means for subjects to control their data

MAPPS [Mobility Analysis for Pandemic Prevention Strategies]

Privacy and Ethics in Pandemic Data Collection and Processing
Websites

Workshop Website

https://mapps-brown.github.io/workshop2023/

The workshop materials can be found here. We will post materials to this website throughout the week.

ICERM Website

https://icerm.brown.edu/topical_workshops/tw-23-pep/

The daily agenda will be posted here, and ICERM will live stream the keynotes each day.

M—A——PPS [Mobility Analysis for Pandemic Prevention Strategies]