IN5210
Information Systems

Fall 2023

Agenda for this seminar



RESPONSIBLE AND ETHICAL AI



SUSTAINABLE DIGITALIZATION

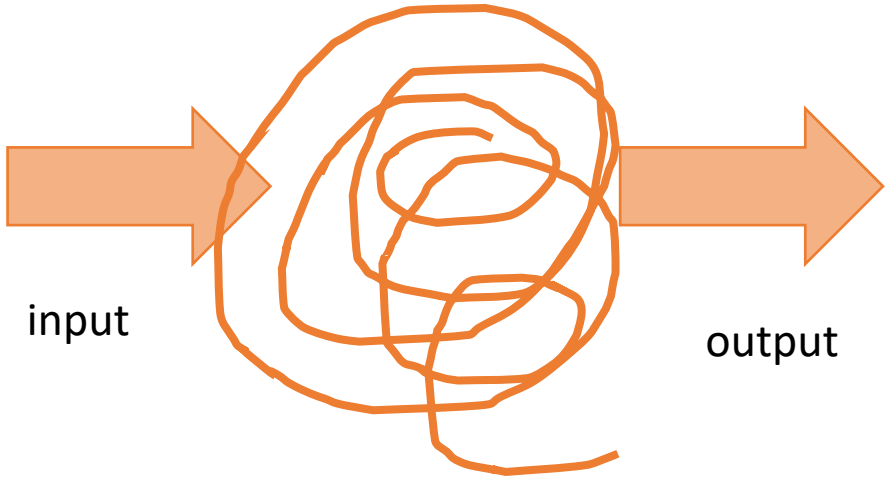
Understanding AI from an IS perspective

- We cannot only consider the technical solution/technology itself: we need to consider the *sociotechnical system* around it – which is made of:
- people who have built it
- people who feed it with data
- people who use it (how, when, what etc)
- people who decides how the system should be used and for what
- people who are directly or indirectly affected by what the system does
- more people….

From Miria Grisot's 2022 lecture

What is AI?

- Not just algorithms
  - all computer systems use algorithms
  - we use algorithms (ex. recipe for baking waffles)
- Not just machine learning
  - approaches and models
- Not just data
  - what we feed algorithms with



From Miria Grisot's 2022 lecture



How can we connect this video to responsible AI / Ethical AI?

https://youtu.be/lX0kwVLPmD4

Sustainability *in* and *through* design

- HCI: producing new cool gadgets
- In design:
  - Develop technologies in ways that decrease the negative impact on humans, societies and the environment.
- Through design:
  - Design technology to do better

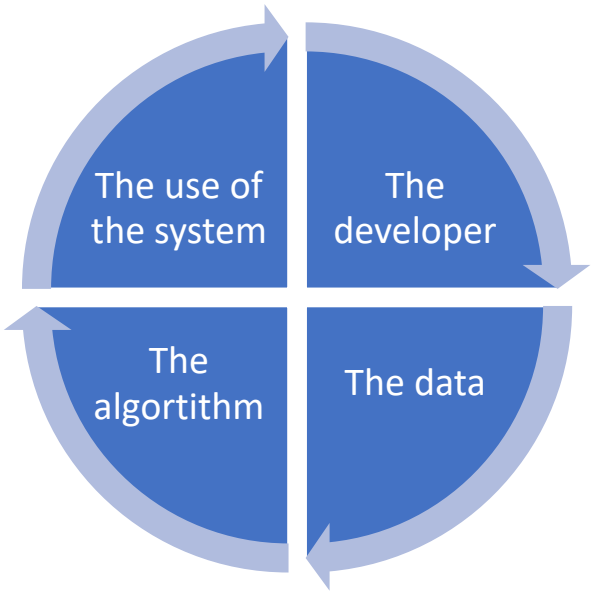
Discuss in relation to: Heat Listed

Accountability | Transparancy | Explainability | Bias

The black-box problem | Surveillance capitalism | Automate and informate

INFLUENCING

- Personal level
- Community level
- Systemic level



Watch:

- Minority Report (Tom Cruise)
- The Age of Surveillance Capitalism – a live conversation with Shoshana Zuboff
- “Black Mirror” (Netflix)
- “Coded bias” (Netflix)

Read:

- Heat Listed (The Verge)
- Whatever happened to IBM's Watson?
- 1984 (George Orwell)
- “Maskiner som tenker” (Inga Strümke)