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# COMP90087 overview

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Cheong

School of Computing and Information Systems  
Centre for AI & Digital Ethics  
The University of Melbourne





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# Subject overview



# Who are we?



Simon



Tim



Kobi



Marc





# Tutors



Kate



Matt



Michael



# COMP90087 Learning outcomes

On completion of this subject, students should:

- Understand and describe the social and ethical issues raised by technology in various contexts
- Apply established ethical theories to reason about social and ethical issues related to technology
- Critically examine, analyse, and apply ethical perspectives to design, develop and deploy of digital technologies responsibly
- Communicate perspectives to other technical professionals and the community at large
- Demonstrate a profound respect for that fact that just because you can, does not mean you should create a technology



# COMP90087 Assessment

Description	Timing	Percentage
Tutorial participation and contributions to online discussion. Two hours per week. Intended Learning Outcomes (ILO's) 1 to 4 are addressed by tutorial participation and contributions to online discussion. 2% each; best 10 of 12	Throughout the teaching period	20%
Critical evaluation essay. ILO's 1 to 5 are addressed in the essay. • 35-45 hours	Week 7	30%
Research essay. Due first week of examination period. ILO's 1 to 5 are addressed in the essay. • 35-45 hours	During the examination period	30%
Online quiz. ILO's 1 and 2 are addressed in the online quiz. • 1 hours	End of semester	20%



# COMP90087 Agenda

One module per week

Each module:

- Readings (1-2 papers)
- Video playlist (30-60 minutes), with notes
- Consultation & discussion hour: 9-10am on Thursdays (on Wednesday in week 2)
- Tutorial
  - Group discussion on relevant topic



# Interaction

## **When you need advice, input, direction:**

- Check Canvas for announcements.
- Check the relevant discussion forum for existing answers.
- Post a question to the relevant discussion forum
  - Feel free to answer others' questions!
- Attend a consultation hour (Thu 9am Melbourne time).
- Ask your tutor during the tutorial.
- For personal matters, send an email:
  - Please do not email more than one staff member independently about the same issue. It duplicates work between us.
- We commit to responding within 1 working day
  - Please do not expect replies over the weekend

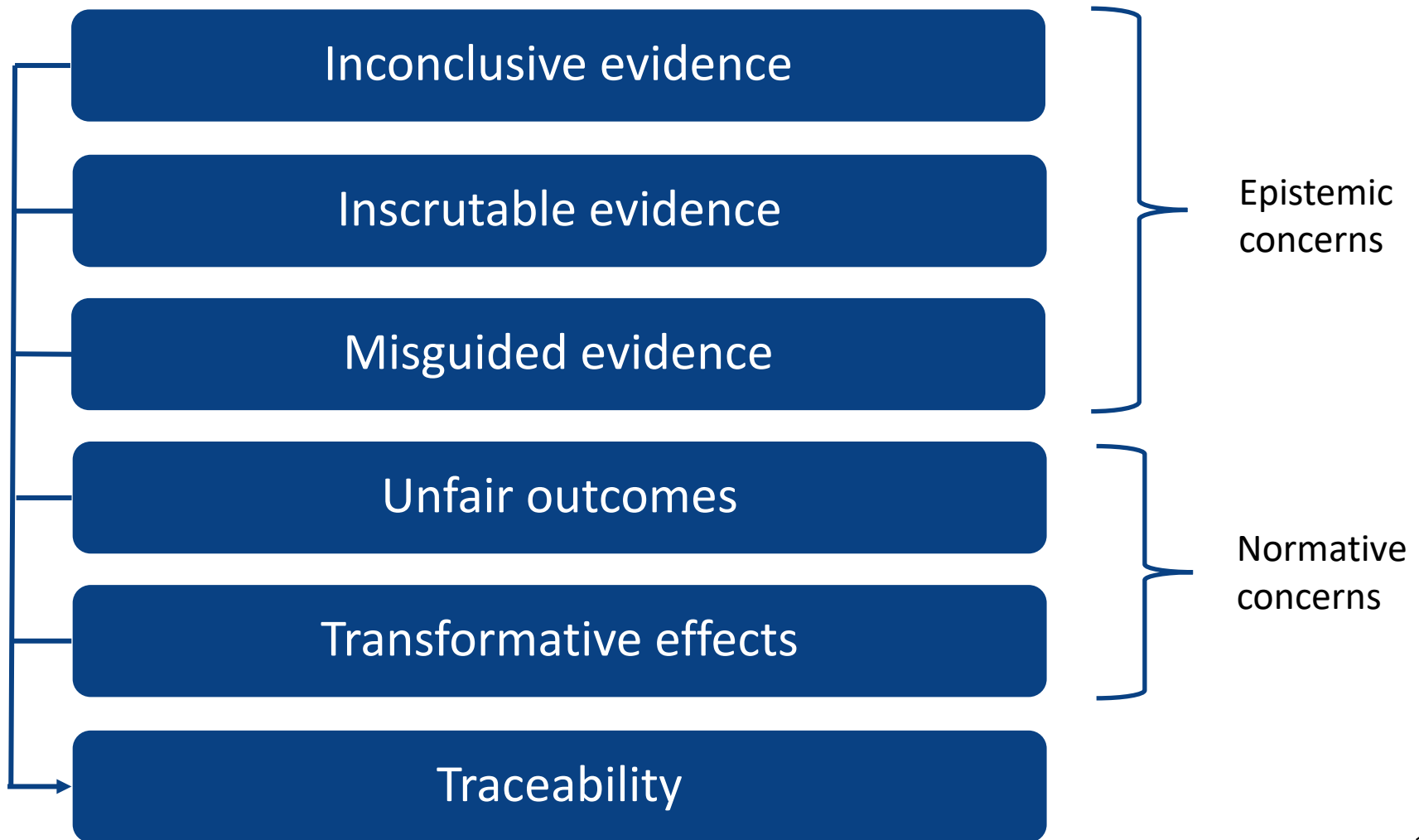




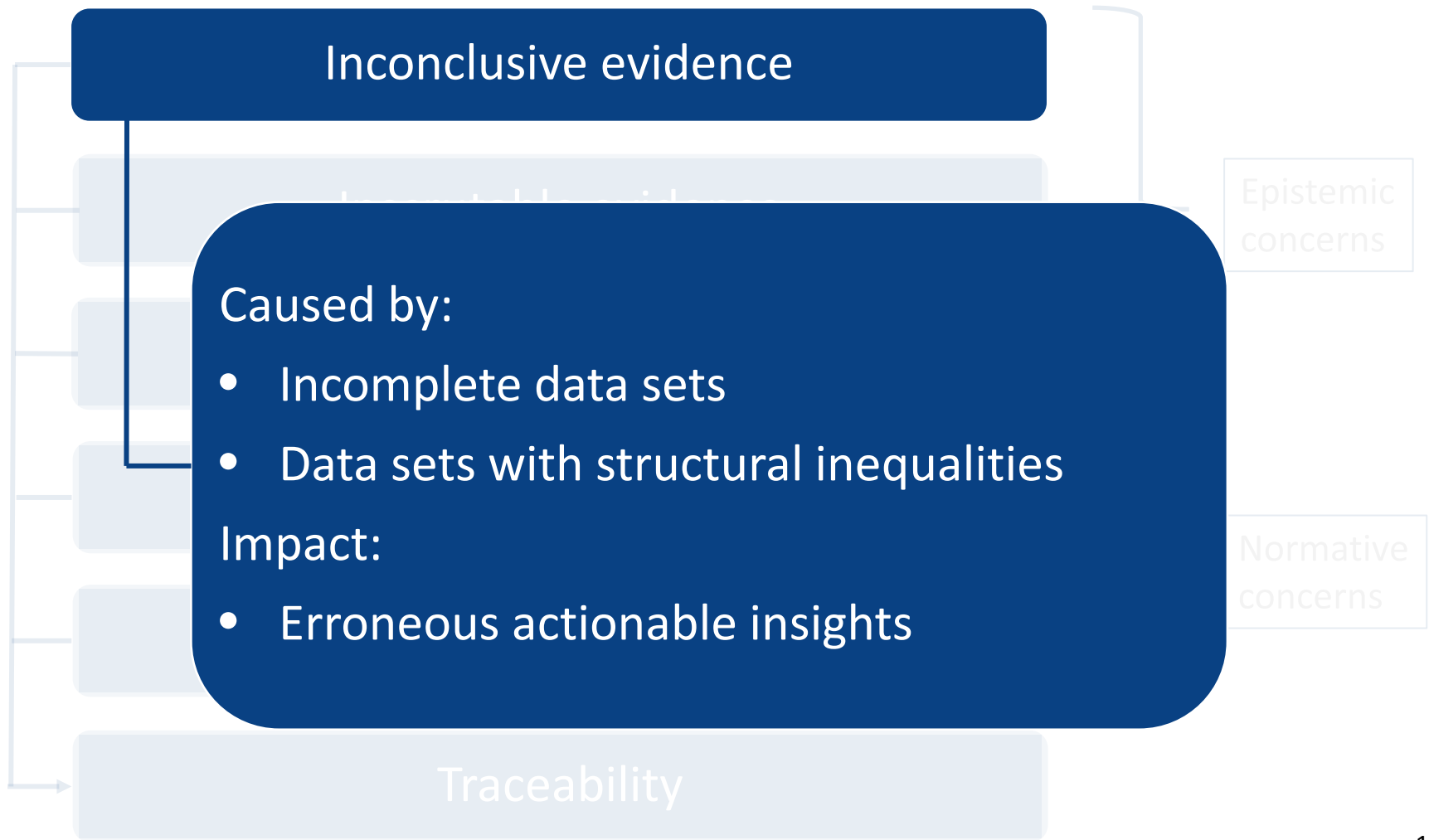
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# The Ethics of Artificial Intelligence

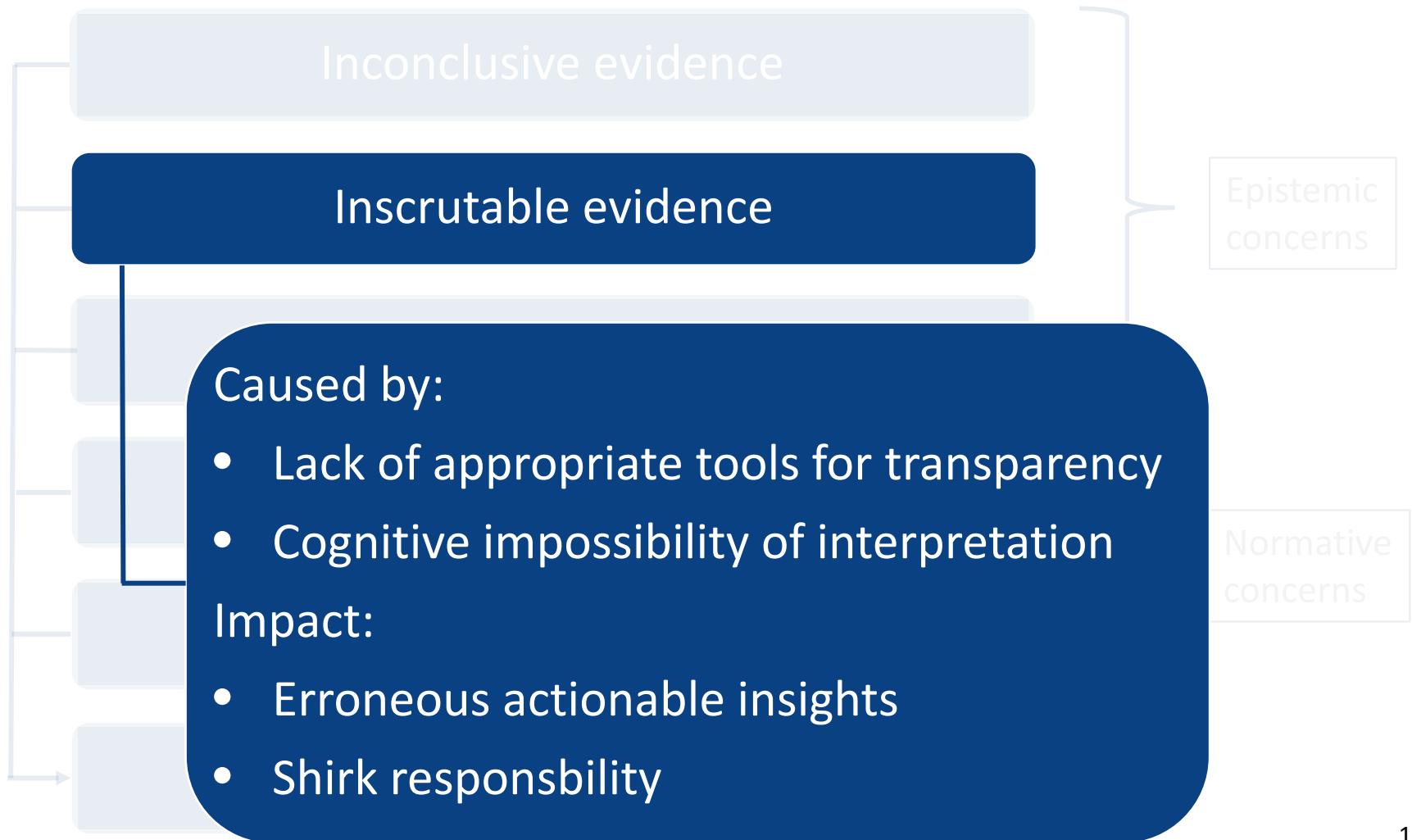
# Six types of ethical concerns



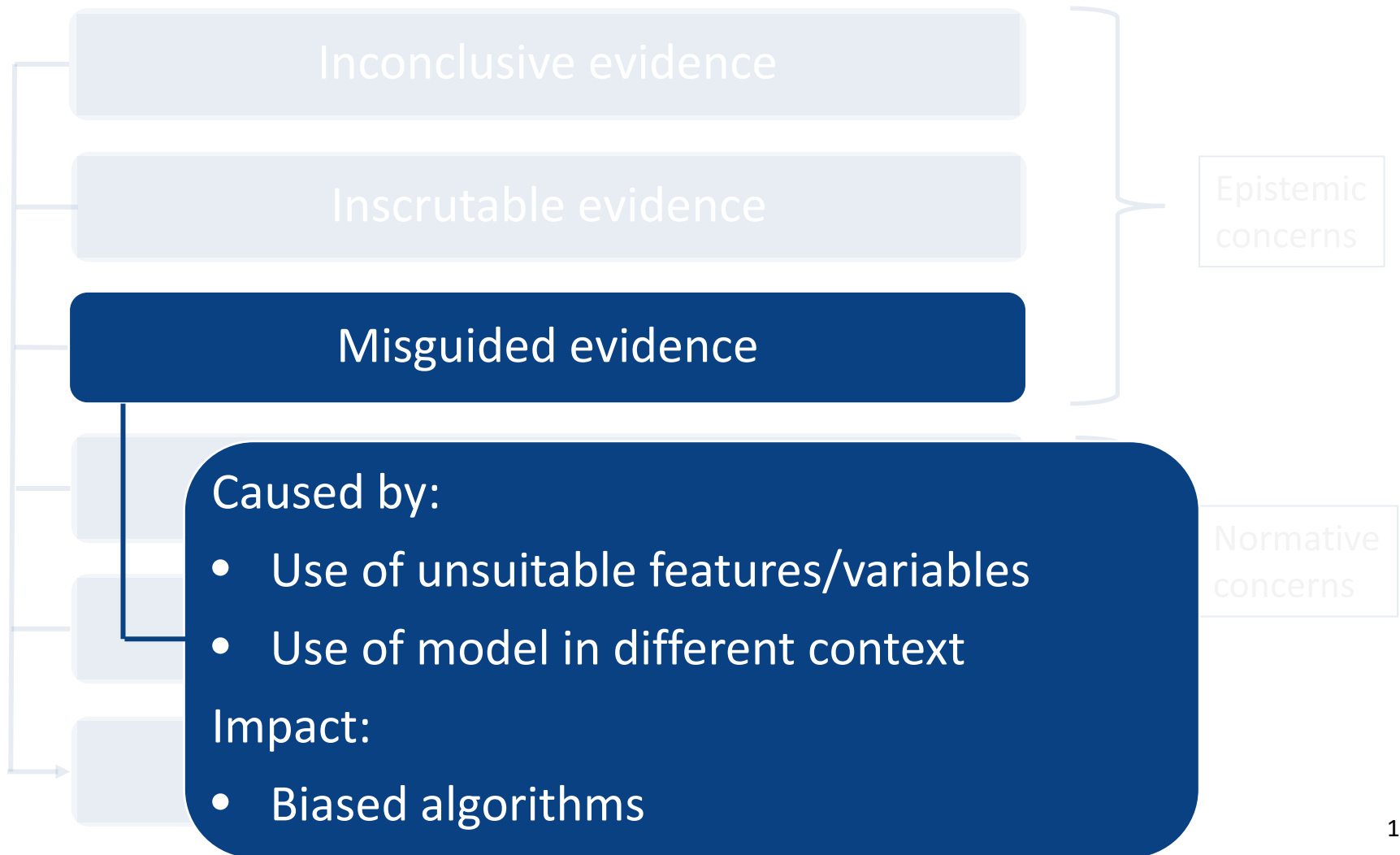
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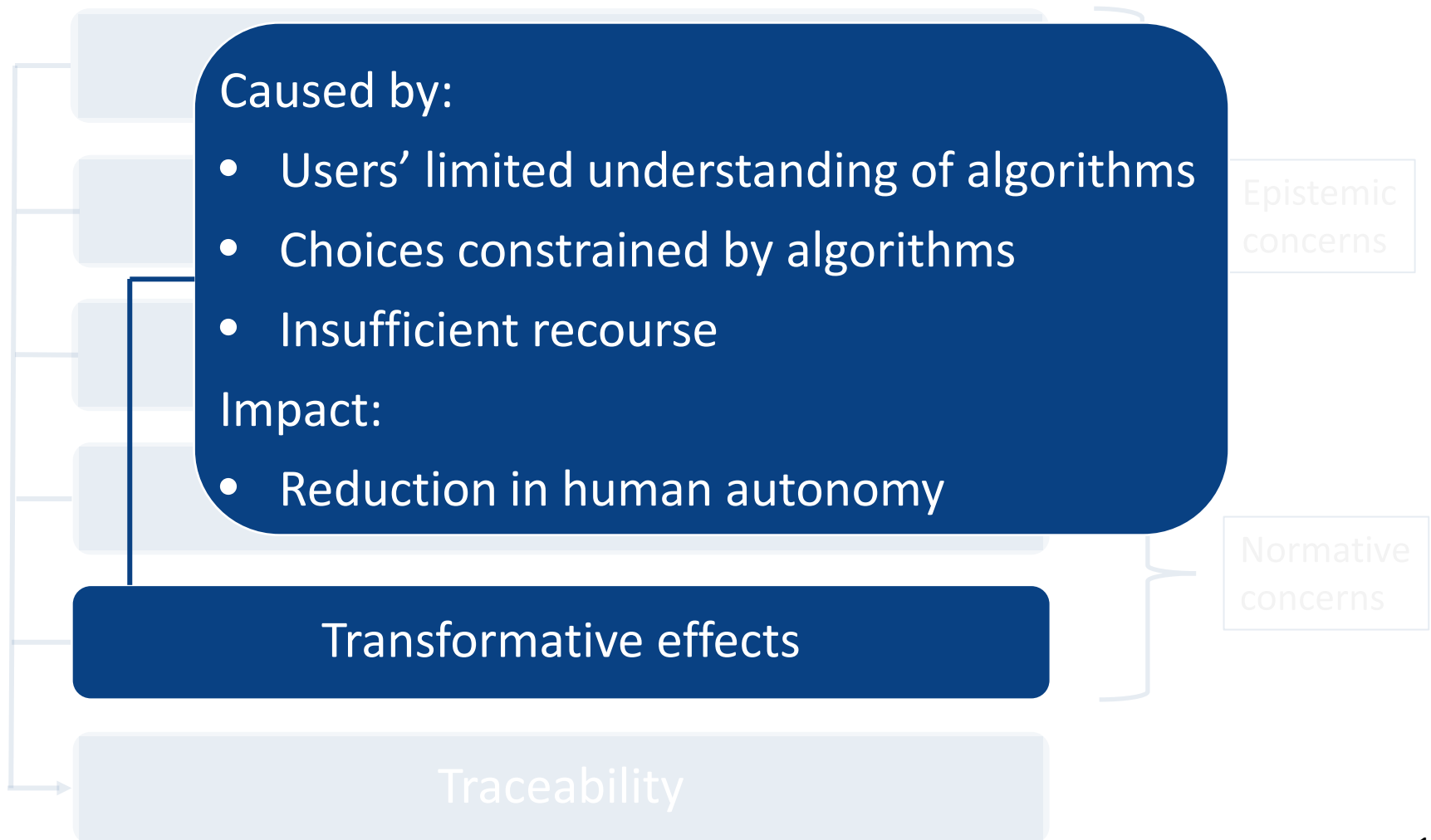


# Six types of ethical concerns





# Six types of ethical concerns



# Six types of ethical concerns





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# Syllabus



# COMP90087 Syllabus

Week	Module	Coordinator
1	Trust, machine, and digital ethics	Tim
2	The History of Artificial Intelligence	Tim
3	Philosophy and ethics	Simon
4	Fairness and accountability	Simon
5	Data governance	Marc
6	Accessibility and equity	Marc
7	Transparency: Decisions & processes	Marc
8	Explainability	Tim
9	Politics and policy	Kobi
10	Frameworks and implementation	Kobi
11	Reliability and safety	Kobi
12	Bringing it together	Simon



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# Have fun!

