




## Accountability In AI SS 2026

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## Verantwortung der Informatik – Accountability in AI (AIAI 2026)

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Dates: Thursday, 13:30-15:00, Room A-1.2

In this seminar, we will talk about the accountability of computer science in the area of artificial intelligence. Each week two students will give a presentation, in which different perspectives of accountability, ethics, fairness, transparency, auditability, explainability, interpretability, and regulation are introduced. After each presentation, a group discussion about the presented topic will take place. The presentation should be based on literature and statements from recognized domain experts, however, it should also include an assessment of the arguments and the opinion of the presenter. Each 30-minute presentation should be single-handedly prepared by a participant using primary- and secondary literature. In preparation for the presentation, each participant will schedule a consultation with the supervisors and email a draft of the slides one week before the date of the presentation.

# Agenda

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1. Introduction to Ethical Artificial Intelligence
2. Organization issues:
  - General organization
  - Time schedule
  - Grading
3. Questions (feel free to ask in between!)

1. Ethics is the conceptualization for a scientific discipline, which consists of reflecting of behaviour and judgments valid in a society.
2. Ethics is the reflection theory of morality, which investigates human actions and behaviour against certain judgments of good and bad or right and wrong in terms of morality.

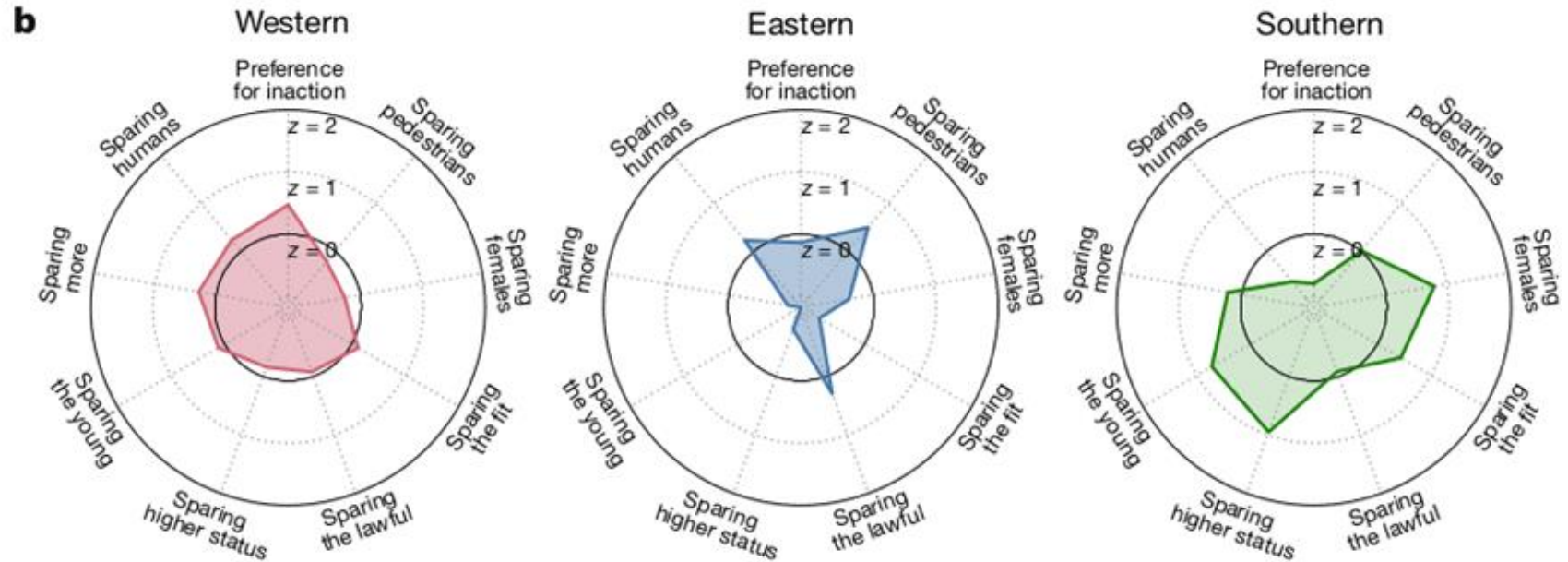
*(Grimm, Keber, Zöllner. 2019. Digitale Ethik.p. 9)*

Ethics	
Deontological Ethics	Teleological Ethics (Consequentialism)
δέον, deon (Greek) = obligation, duty	τέλος, telos (Greek) = aim, goal
judge based on <b>actions</b> NOT their result	judge based on <b>results</b>
<b>Kantianism:</b> "Act only according to that maxim by which you can also will that it would become a universal law."	<b>Utilitarianism:</b> maximize wellbeing & minimize suffering

# Moral Machine



Source: <https://www.moralmachine.net/>



## Real life Trolley Problem



Chart 9

Source: [https://youtu.be/1sl5KJ69qiA?si=OSS5IJ0\\_E8bLSH\\_x&t=97](https://youtu.be/1sl5KJ69qiA?si=OSS5IJ0_E8bLSH_x&t=97)

# Your thoughts

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- Was this experiment ethical?
- Was it useful?
- Is the trolley problem itself useful?

# General Organization

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Thursdays

13:30 - 15:00 Uhr



Seminar room

A-1.02

# Choose Your Topic

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Deadline

21.04.2026 (Tuesday next week)



send us a short mail (see [about:us](mailto:about:us) or website)  
your topic & 2 sentences (up to 3 preferred topics)



first come first served



topic splitting may be possible



well try to make it work for everyone

3 ECTS



presentation

+



slides

# Presentation Structure

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## Introduction

- What is the topic?
- How is it defined?
- Are there multiple, different definitions?
- Why is it important?

## Main Part

- Present a method/paper/tool which addresses the problem
- Check topic description/literature section for some suggestions
- Explain the main idea
- Highlight benefits and potential shortcomings

## Discussion

- Provide 2-3 points/questions to start the interactive discussion



Thanks for your attention!

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