



PhilML reading group

Venue: AI Research Building, 3rd-floor seminar room, Maria-von-Linden-Straße 6, Tübingen.

The **PhilML** reading group discusses current topics in the philosophy of machine learning with a special focus on the philosophy of science. All interested students and researchers are welcome to join. Participants are asked to read the respective paper in advance.

Organized by Ben Höltgen, Timo Freiesleben, and Sebastian Zezulka.

More information on **talks.tue.ai**.

	Readings
24.04.23, 2-3 pm	Philosophy of Probability Dawid, P. (2017). On individual risk. <i>Synthese</i> , 194(9), 3445-3474. Sections 1-2, 5-9.
08.05.23, 2-3 pm	Political Power and Tech Ethics Hu, L. (2021). Tech Ethics: Speaking Ethics to Power, or Power Speaking Ethics?. <i>Journal of Social Computing</i> , 2(3), 238-248.
22.05.23, 2-3 pm	LLMs and Understanding Arkoudas, K. (2023). ChatGPT is no stochastic parrot. But it also claims that 1 is greater than 1. <i>Medium</i> .
05.06.23, 2-3 pm	Causality Schölkopf, B. (2022). Causality for machine learning. In <i>Probabilistic and Causal Inference: The Works of Judea Pearl</i> (pp. 765-804).
19.06.23, 2-3 pm	Epistemology Desai, J., Watson, D., Wang, V., Taddeo, M., & Floridi, L. (2022). The epistemological foundations of data science: a critical review. <i>Synthese</i> , 200(6), 469.
03.07.23, 2-3 pm	Fairness Lee, M. S. A., Floridi, L., & Singh, J. (2021). Formalising trade-offs beyond algorithmic fairness: lessons from ethical philosophy and welfare economics. <i>AI and Ethics</i> , 1(4), 529-544. Optional: Atkinson, A. B. (2011). The restoration of welfare economics. <i>American Economic Review</i> , 101(3), 157-161.
10.07.23, 2-3 pm	Explainability Vredenburg, K. (2022). The right to explanation. <i>Journal of Political Philosophy</i> , 30(2), 209-229.
31.07.23, 2-3 pm	Reinforcement Learning Lehman, J., et al. (2020). The surprising creativity of digital evolution: A collection of anecdotes from the evolutionary computation and artificial life research communities. <i>Artificial life</i> , 26(2), 274-306.