



# PhilML reading group

AI Research Building, **2<sup>nd</sup>-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 kindly asked to read the respective paper in advance. Organized by Timo Freiesleben and Sebastian Zezulka.

All information on **talks.tue.ai**.

	Readings
23.01.25, <b>12noon - 1pm</b>	<b>LLMs</b> Millière, R., & Buckner, C. (2024). A Philosophical Introduction to Language Models--Part I: Continuity With Classic Debates. <i>arXiv preprint arXiv:2401.03910</i> .
06.02.25, 1-2 pm	<b>Similarity judgments and conceptual spaces</b> Moullec, M., & Douven, I. (2025). Cheaper Spaces. <i>Minds and Machines</i> , 35(1), 1-21.
20.02.25, 1-2 pm	<b>For and Against Method I</b> Lakatos, Imre. "1. Lectures on Scientific Method. <b>Lectures 1-6</b> ". <i>For and Against Method</i> , edited by Matteo Motterlini, Chicago: University of Chicago Press, 1999. 19-85.
06.03.25, 1-2 pm	<b>For and Against Method II</b> <ul style="list-style-type: none"> <li>Lakatos, Imre. "1. Lectures on Scientific Method. <b>Lectures 7/8</b>".</li> <li>Feyerabend, Paul. "2. Theses on Anarchism".</li> </ul> <i>For and Against Method</i> , edited by Matteo Motterlini, Chicago: University of Chicago Press, 1999. 86-118.
20.03.25, 1-2 pm	<b>Models and Experiments</b> Mäki, U. (2005). Models are experiments, experiments are models. <i>Journal of Economic Methodology</i> , 12(2), 303-315.
03.04.25, 1-2 pm	<b>Causal Inference in the Social Sciences</b> Heckman, J. J. (2008). Econometric causality. <i>International statistical review</i> , 76(1), 1-27.
<b>30.04.25, 1-2 pm, 4<sup>th</sup> floor</b>	<b>Statistical evidence</b> Gardiner, G. (2018). Legal burdens of proof and statistical evidence. In <i>The Routledge handbook of applied epistemology</i> (pp. 179-195). Routledge.