



# PhilML reading group

Venue: AI Research Building, **3<sup>rd</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 asked to read the respective paper in advance.

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

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

	Readings
30.01.24, 1-2 pm	<b>Dynamic Benchmarking</b> Shirali, A., Abebe, R., & Hardt, M. (2023). "A Theory of Dynamic Benchmarks." <i>International Conference on Learning Representations</i> .
13.02.24, 1-2 pm	<b>Justification</b> Corfield, D. (2010). "Varieties of justification in machine learning." <i>Minds and Machines</i> , 20, 291-301.
27.02.24, 1-2 pm	<b>Simplicity</b> Sterkenburg, T. F. (2023). "Statistical learning theory and Occam's razor: The argument from empirical risk minimization." <i>arXiv preprint arXiv:2312.13842</i> .
12.03.24, 1-2 pm	<b>Causality</b> Lu, Q., & Bourrat, P. (2022). "On the causal interpretation of heritability from a structural causal modeling perspective." <i>Studies in History and Philosophy of Science</i> , 94, 87-98.
26.03.24 1-2 pm	<b>Participation</b> Corbett, E., Denton, E., & Erete, S. (2023). "Power and Public Participation in AI." In <i>Proceedings of the 3rd ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization</i> , 1-13.