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machine learning
new perspectives
for science

# **PhilML** reading group

AI Research Building, **2nd-floor** seminar room, Maria-von-Linden-Straße 6, Tübingen. The reading group takes place in a **hybrid format**, please contact the organizers for the Zoom link.

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 Benedikt Höltgen and Sebastian Zezulka.

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

|  | Readings |
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| 22.05.25, 1-2 pm | **Meta-Induction** <br> Sterkenburg, Tom. "The meta-inductive justification of induction." *Episteme* 17.4 (2020): 519-541. |
| 12.06.25, 1-2 pm | **Calibration** <br> Hu, Lily. "Does calibration mean what they say it means; or, the reference class problem rises again." Forthcoming in *Philosophical Studies* (2025). |
| 10.07.25, 1-2 pm | **Limits of Exact Science** <br> Cartwright, Nancy. "The limits of exact science, from economics to physics." *Perspectives on Science* 7.3 (1999): 318-336. |
| 24.07.25, 1-2 pm | **Bayesian Statistics** <br> Gelman, Andrew, and Cosma Rohilla Shalizi. "Philosophy and the practice of Bayesian statistics." *British Journal of Mathematical and Statistical Psychology* 66.1 (2013): 8-38. |
| 07.08.25, 1-2 pm | **Statistical Assumptions** <br> Zhao, Kino. "What are statistical assumptions about? An answer from perspectivism." *Harvard Data Science Review* 7.1 (2025). |