PhilML 2023: Reading Group

The PhilML reading group discusses current topics in the philosophy of machine learning with a special focus on philosophy of science. All interested students and researchers are welcome, but participants undertake to do the reading ahead of time.

Meetings take place every fortnight on

- Mondays from 2-3pm in the
- AI Research Building, Maria-von-Linden-Str 6, Tübingen, seminar room 3rd floor.

Organised by Ben Höltgen, Timo Freiesleben, Sebastian Zezulka.

More information: https://talks.tue.ai/

16.01., 2pm [Philosophy of Statistics]

- Liu, K., & Meng, X. L. (2016). There is individualized treatment. Why not individualized inference?. *Annual Review of Statistics and Its Application*, *3*, 79-111.

30.01., 2pm [Problem of Induction]

- Schurz, G. (2017). No Free Lunch Theorem, Inductive Skepticism, and the Optimality of Meta-induction. *Philosophy of Science, 84*(5), 825-839. doi:10.1086/693929

13.02., 2pm [Fairness]

- Birch, J., & Buskell, A. (2022). 'How We Got Stuck: The Origins of Hierarchy and Inequality'. *Mind & Language*, 37(4), 751–759.

27.02., 2pm [Data and Models]

- Leonelli, Sabina. "What distinguishes data from models?." *European Journal for Philosophy of Science* 9.2 (2019): 1-27.

13.03., 2pm [Philosophy of Science]

- Laudan, L. (1990). Demystifying underdetermination. *Minnesota studies in the philosophy of science*, *14*(1990), 267-297.

27.03., 2pm [Human and machine learning]

- Hasson, Uri, Samuel A. Nastase, and Ariel Goldstein. "Direct fit to nature: an evolutionary perspective on biological and artificial neural networks." *Neuron* 105.3 (2020): 416-434.