



AutoML for tabular datasets and tabular datasets for AutoML

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and online via Zoom (Link)

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AutoML, short for Automated Machine Learning, simplifies the usage of machine learning by domain experts and allows machine learning experts to outsource boring and repetitive tasks to computers. In this presentation Matthias Feurer will give a short introduction into AutoML and give an overview of the AutoML research at the Chair of Statistical Learning and Data Science. He will focus on their recent paper on how fairness issues can be tackled by AutoML methods and also the datasets that are used in the evaluation of AutoML and ML methods in general.

Biography:

Matthias Feurer is a Thomas Bayes Fellow and substitute professor, funded by the Munich Center of Machine Learning (MCML), at the Chair of Statistical Learning and Data Science. Previously, he was a PostDoc at the machine learning lab at the Albert-Ludwigs-Universität Freiburg, where he also finished his PhD under the supervision of Prof. Dr. Frank Hutter on the topic of Automated Machine Learning (AutoML). His research focuses on automated machine learning, hyperparameter optimization and Meta-Learning. He is actively involved in developing open source software for AutoML and is the maintainer and founder of Auto-sklearn and OpenML-Python. Matthias is a founding member of the Open Machine Learning Foundation and a co-organizer of the AutoML Fall Schools and AutoML conference.