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Introduction to Machine Learning in astroparticle physics

Tuesday 27 September 2022 16:30 (45 minutes)

This very short introduction will summarize basic machine learning concepts and introduce and discuss a few feature selection and learning algorithms. The selected algorithms include: Naive Bayes, Nearest Neighbour Methods, Decicison Trees, Ensemble Methods and Neural Networks. Furthermore, the talk will address the selection of appropriate input variables as well as possibilities to exclude badly simulated observables.

Presenter: RUHE, Tim

Session Classification: Pre-School on Statistical methods