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Exercise 1: Network structure and inductive bias in Higgs physics (ttH)

Thursday 13 March 2025 13:30 (2 hours)

Inductive bias refers to the process of encoding into the learning process some properties of the data known a priori: this can happen by manipulating the training data (augmentation), by modifying the structure of the algorithm (e.g. dense vs convolutional networks), or by modifying the learning target (loss function). The exercise will consist in comparing the performance of generic algorithms with that of algorithms targeted to specific structures (e.g. convolutional networks).

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