

INDUCTIVE ALGORITHMS OF MODEL GENERATION

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One of the important problems in scientific data mining is the problem of regression modeling. To make a regression model using measured data a researcher examines set of competitive models and chooses a model of the best quality. Due to the nature of the experiments non-linear models are common in biological simulations. Symbolic regression allows dealing with large sets of non-linear models. In the lecture inductive algorithms for model creation and selection will be discussed.