

Assignment6: MDP, Decision Trees

Dmitrii, Maksimov

dmitrii.maksimov@fau.de

ko65beyp

Ilia, Dudnik

ilia.dudnik@fau.de

ex69ahum

Aleksandr, Korneev

aleksandr.korneev@fau.de

uw44ylyz

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Exercise 6.1 (Overfitting)

Explain what overfitting means and why we want to avoid it.

Overfitting means that hypothesis h describes random error in the (limited) training set rather than the underlying relationship. It leads to the loss of generalizing ability and, as a result, poor result on the testing set.