

SSP100 Class Notes

Machine Learning: Some Basic Concepts

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Supervised learning / Reinforcement Learning

Batch vs. Online Learning

Training phase / Testing Phase

Training Data

Convergence

Optimal hypothesis

Classifier

Feature Construction

Hypothesis Space

Learning Algorithm (Scoring Metric/Error Function, Search Algorithm)

Perceptron Learning Algorithm

Learning Rate

Linear separator

Hebb Rule

Decision Trees

Overfitting

Noisy Input

Genetic Algorithms

Genetic Programming