

Machine Learning

 Duration: 4 Days

 Available Languages: English

Audience

Software developers who work on data analysis and intelligence software/system development.

Precondition

Good understanding of mathematics, good knowledge of at least one programming language.

Goals

Know the fundamentals of machine learning and popular machine learning algorithms.

Contents

- Introduction
 - Hypothesis space
 - Inductive bias
 - Evaluation
 - Cross-validation
- Learning types
 - Supervised learning
 - Unsupervised learning
 - Reinforcement learning
- Classification
 - Probabilistic classification
- Regression
 - Linear regression
 - Logistic regression
- Neural network
 - Perception
 - Multilayer network
 - Backpropagation
- Clustering
 - K-means
 - Adaptive hierarchical clustering
 - Gaussian mixture model
- Density estimation
 - Maximum likelihood
- Dimensionality reduction
 - Feature extraction

Booking

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