[L4-ML] Introduction to Machine Learning Algorithms
Online

Session 1	
Introduction	Use Case Collection Supervised vs Unsupervised Learning Classification vs Numerical Prediction Problems Different Steps of the Data Science Life Cycle
Decision Tree	Decision Tree Algorithm Evaluation of Classification Models
Session 2	
Regression Models & Ensemble Models	Linear Regression Algorithm Evaluation of a Numerical Prediction Model Regression Tree Algorithm Ensemble Models: Bagging & Boosting
Logistic Regression	Logistic Regression Algorithm and Likelihood Function Gradient Descent
Session 3	
Neural Networks	Biological vs Artificial Neuron Feedforward Network Backpropagation Introduction to RNNs and CNNs
Recommendation Engines	A-priori Algorithm Collaborative Filtering
Session 4	
Clustering	k-Means Hierarchical Clustering DB-SCAN
Data Preparation	Dimensionality Reduction Outlier Detection Missing Value Imputation Feature Selection
Session 5	
Wrap Up Session	**Discussion of last Exercise and Q&A**