



DDA5001 Machine Learning

English-Chinese Translation of Terminologies

- Supervised learning --- 有监督学习
- Unsupervised learning --- 无监督学习
- Classification --- 分类
- Regression --- 回归
- Hypothesis space --- 假设空间
- Model --- 模型
- Sample --- 样本
- Feature --- 特征
- Least squares --- 最小二乘
- Maximum likelihood estimation (MLE) --- 最大似然估计
- Logistic regression --- 逻辑回归
- Support Vector Machine (SVM) --- 支持向量机
- Principle Component Analysis (PCA) --- 主成分分析
- Clustering --- 聚类
- Overfitting --- 过拟合
- Neural networks --- 神经网络
- Backpropagation (BP) --- 反向传播
- Large language models --- 大模型
- Matrix --- 矩阵
- Vector --- 向量
- Inner product --- 向量内积
- Norm --- 范数
- Orthogonal --- 正交
- Optimization --- 优化/最优化
- Minimize/min --- 最小化
- Maximize/max --- 最大化
- Optimal solution/optimum/global optimizer --- 最优解
- Optimal value --- 最优值
- Gradient --- 梯度
- Hessian --- 高维二阶导数
- Convex optimization --- 凸优化
- Gradient descent method --- 梯度下降法
- Stochastic gradient descent (SGD) --- 随机梯度法
- Expectation --- 期望
- Variance --- 方差