Aula M1A41 CLASSIFICACAO I

Leitura complementar:

- Machine Learning Classifiers
- 7 Types of Classification Algorithms
- Introduction to Classification Models
- 4 Types of Classification Tasks in Machine Learning
- A Brief Introduction to Supervised Learning
- Supervised vs. Unsupervised Learning
- How to improve the performance of a (Supervised) Machine Learning Algorithm
- Analytics Building Blocks: Binary Classification
- Machine Learning — Multiclass Classification with Imbalanced Dataset
- Binary Classification Model: Australian Credit Approval
- A Practical Application of Machine Learning in Medicine
- Machine Learning Classification with Python for Direct Marketing
- How To Design A Spam Filtering System with Machine Learning Algorithm
- Classifying Loans based on the risk of defaulting
- Introduction to Logistic Regression
- Support Vector Machines(SVM) — An Overview
- K-Nearest Neighbors (kNN) — Explained
- All about Naive Bayes
- Data Science : K-Nearest Neighbor
- Machine Learning Basics with the K-Nearest Neighbors Algorithm
- StatQuest: K-nearest neighbors, Clearly Explained
- Most Popular Distance Metrics Used in KNN and When to Use Them
- Logistic Regression — Detailed Overview
- Why Sigmoid: A Probabilistic Perspective
- What is the Sigmoid Function?

- Log Odds: Simple Definition & Examples, Conversions
- WHAT and WHY of Log Odds
- Introduction to Logistic Regression
- The Complete Guide to Support Vector Machine (SVM)
- Support Vector Machines (SVMs)
- Understanding Support Vector Machine(SVM) algorithm from examples (along with code)
- 10.1 Maximal Margin Classifier
- Support Vector Machine (Detailed Explanation)
- Support Vector Machine - Classification (SVM)
- A.I. Experiments: Visualizing High-Dimensional Space
- Hyperplane
- 8.2 Planes and Hyperplanes
- Hyperplane
- Hyperplane
- Decision Boundary Visualization(A-Z)
- Support Vector Machine (SVM) - Fun and Easy Machine Learning
- Support Vector Machines, Dual Formulation, Quadratic Programming & Sequential Minimal Optimization
- Sequential Minimal Optimization
- Solving a Quadratic Problem (QP) in an open source linear solver
- Quadratic Programming
- LIBSVM -- A Library for Support Vector Machines
- Support Vector Machine: Complete Theory
- Section 3-5 : Lagrange Multipliers
- ROC Curve, a Complete Introduction
- Understanding AUC - ROC Curve
- Classification Accuracy is Not Enough: More Performance Measures You Can Use
- Data Science Performance Metrics for Everyone
- Measuring Model Goodness — Part 1

- The 3 Pillars of Binary Classification: Accuracy, Precision & Recall
- sklearn.svm.SVC
- Radial Basis Functions, RBF Kernels, & RBF Networks Explained Simply
- Most Effective Way To Implement Radial Basis Function Neural Network for Classification Problem
- Support Vector Machine: Kernel Trick; Mercer’s Theorem
- Andrew Ng’s Machine Learning Course in Python (Support Vector Machines)
- pandas.DataFrame
- pandas.DataFrame.from_dict
- collections — Container datatypes
- Introduction to Python's Collections Module
- sklearn.model_selection.train_test_split
- The 80/20 Split Intuition and an Alternative Split Method
- Splitting a dataset
- sklearn.linear_model.LogisticRegression
- sklearn.metrics.confusion_matrix
- sklearn.metrics
- sklearn.metrics.accuracy_score
- sklearn.metrics.precision_score
- sklearn.metrics.recall_score
- 3.3. Metrics and scoring: quantifying the quality of predictions
- Accuracy, Precision, Recall or F1?
- sklearn.neighbors.KNeighborsClassifier
- K - Nearest Neighbors - KNN Fun and Easy Machine Learning
- kaggle - Pima Indians Diabetes Database
- Diabetes Data Set
- warnings — Warning control
- warnings.simplefilter
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