



Machine Learning with Python

1. Introduction to Machine Learning

- 1.1. Introduction
- 1.2. What is ML
- 1.3. Applications of ML
- 1.4. AI vs ML

2. Types of Machine Learning

- 2.1. Supervised Learning
 - 2.1.1. Introduction
 - 2.1.2. Applications
- 2.2. Unsupervised Learning
 - 2.2.1. Introduction
 - 2.2.2. Applications
- 2.3. Reinforcement Learning

3. Machine Learning Concepts

- 3.1. Classification
- 3.2. Regression
- 3.3. Clustering
- 3.4. Association



4. Common Machine Learning Algorithms

- 4.1. Linear Regression
- 4.2. Logistic Regression
- 4.3. Decision Tree
- 4.4. Random Forest
- 4.5. Naive Bayes
- 4.6. Least Squares
- 4.7. Support Vector Machine
- 4.8. Principal Component Analysis
- 4.9. Principal Component Regression

5. Real World Machine Learning

- 5.1. Introduction to Real World ML
- 5.2. Choosing the algorithm
- 5.3. Common Softwares for ML

6. Iris Dataset Prediction Project

7. Board Game Review Prediction Project

8. Credit Card Fraud Detection Project

9. Object Recognition Project