Machine Learning

Basics

1. What is Machine Learning
2. History of Machine Learning
3. Applications of Machine Learning
4. Machine Learning Life Cycle
5. Installing Anaconda and Python
6. Difference between Artificial Intelligence and Machine Learning
7. Data Preprocessing in Machine Learning
8. Supervised Machine Learning
9. Unsupervised Machine Learning
10. Difference between Supervised and UnSupervised Learning

Advance

1. Regression Analysis in Machine Learning
2. Linear Regression in Machine Learning
3. Simple Linear Regression in Machine Learning
4. Multiple Linear Regression
5. what is Backward Elimination?
6. ML Polynomial Regression
7. Classification Algorithm in Machine Learning
8. Logistic Regression in Machine Learning
9. KNN Algorithm for Machine Learning
10. SVM Alogrithm
11. Naive Bayes Classifier Algorithm
12. Regression vs Classification in Machine Learning
13. Linear Regression vs Logistic Regression

Deep Learning

1. Introduction
2. Environment
3. Deep Basic Machine Learning
4. Artifical Neural Networks
5. Deep Neural Networks
6. Fundamentals
7. Training a Neural Network
8. Computational Graphs
9. Applications
10. Libraries and Frameworks
11. implementations

Tensor Flow

1. Introduction
2. Installation
3. Understanding Artificial Intelligence
4. Mathematical Foundations
5. Machine Learning and Deep Learning
6. Basics
7. Convolutional Neural Networks
8. Recurrent Neural Networks
9. TensorBoard Visualization
10. Word Embedding
11. Single Layer Perceptron
12. Linear Regression
13. TF learn and its installation
14. CNN AND RNN Difference
15. Keras
16. Distributed computing
17. Exporting
18. Multi Layer Perceptron Learning
19. Hidden Layer of Perceptron
20. Optimizers
21. XOR Implementation
22. Gradient Descent Optimization
23. Forming Graphs
24. Image Recognition using TF
25. Recommendations for Neural Network Training