Mindluster Platform

About the course Support Vector Machine Fundamentals

Support Vector Machine course, In this course we will learn about the Support Vector Machine algorithm, its applications in classification, and optimization techniques for effective data separation.

Computer Science Category's Courses

Course Lesson(49)

Lesson 1 :
Machine Learning And Deep Learning Fundamentals And Applications Introduction Video

Lesson 2 : **Lec 1 Introduction to Machine Learning**

Lesson 3 : **Lec 2 Performance Measures of Classification**

Lesson 4 : **Lec 3 Bias Variance Tradeoff**

Lesson 5 : **Lec 4 Regression**

Lesson 6 : **Lec 5 Bayesian Decision Theory**

Lesson 7 : **Lec 6 Bayesian Decision Theory**

Lesson 8 : **Lec 7 Bayes Decision Theory Binary Features**

Lesson 9 : **Lec 8 Bayesian Decision Theory**

Lesson 10 : **Lec 9 Bayesian Decision Theory**

Lesson 11 : **Lec 10 Bayesian Belief Networks**

Lesson 12 : **Lec 11 Parameter Estimation and Maximum Likelihood Estimation**

Lesson 13 : **Lec 12 Parameter Estimation and Bayesian Estimation**

Lesson 14 : **Lec 13 Concept of non parametric techniques**

Lesson 15 : **Lec 14 Density Estimation by Parzen Window**

Lesson 16 : **Lec 15 Parzen Window and K nearest neighbor algorithm**

Lesson 17 : **Lec 16 Linear Discriminant Functions and Perceptron Criteria Part I**

Lesson 18 : **Lec 17 Linear Discriminant Functions and Perceptron Criteria Part II**

Lesson 19 : **Lec 18 Linear Discriminant Functions and Perceptron Criteria Part III**

Lesson 20 : **Lec 19 Support Vector Machine Part I**

Lesson 21 : **Lec 20 Support Vector Machine Part II**

Lesson 22 : **Lec 21 Logistic Regression**

Lesson 23 : **Lec 22 Decision Tree**

Lesson 24 : **Lec 23 Hidden Markov Model HMM**

Lesson 25 : **Lec 24 Ensemble Classifiers Part I**

Lesson 26 : **Lec 25 Ensemble Classifiers Part II**

Lesson 27 : **Lec 26 Dimensionality Problem and Principal Component Analysis**

Lesson 28 : **Lec 27 Principal Component Analysis**

Lesson 29 : **Lec 28 Linear Discriminant Analysis LDA Part I**

Lesson 30 : **Lec 29 Linear Discriminant Analysis LDA Part II**

Lesson 31 : **Lec 30 Gaussian Mixture Model and EM Algorithm**

Lesson 32 : **Lec 31 K means clustering**

Lesson 33 : **Lec 32 Fuzzy K means clustering**

Lesson 34 : **Lec 33 Hierarchical Agglomerative Clustering and Mean shift Clustering**

Lesson 35 : **Lec 34 Artificial Neural Networks for Pattern Classification PART 1**

Lesson 36 : **Lec 35 Artificial Neural Networks for Pattern Classification PART 2**

Lesson 37 : **Lec 36 Artificial Neural Networks for Pattern Classification PART 3**

Lesson 38 : **Lec 37 Introduction to Deep Learning and Convolutional Neural Network CNN**

Lesson 39 : **Lec 38 Vanishing and Exploding Gradients in Deep Neural Networks**

Lesson 40 : **Lec 39 CNN Architectures LeNet 5 and AlexNet**

Lesson 41 : **Lec 40 CNN Architectures â€“ VGG 16 GoogLeNet and ResNet**

Lesson 42 : **Lec 41 Generative Adversarial Networks GAN Fundamentals and Applications**

Lesson 43 : **Lec 42 U Net Convolutional Networks for Image Segmentation**

Lesson 44 : **Lec 43 Introduction to Autoencoder and Recurrent Neural Networks RNN**

Lesson 45 : **Lec 44 Programming Concepts**

Lesson 46 : **Lec 45 Programming Concepts**

Lesson 47 : **Lec 46 Problem Solving Session**

Lesson 48 : **Lec 47 Problem Solving Session**

Lesson 49 : **Lec 48 Problem Solving Session**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees



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