Mindluster Platform

About the course Introduction to Machine Learning

Even though there are many different skills to learn in machine learning it is possible for you to self-teach yourself machine learning. There are many courses available now that will take you from having no knowledge of machine learning to being able to understand and implement the ml algorithms yourself.What are the types of machine learning? First, we will take a closer look at three main types of learning problems in machine learning: supervised, unsupervised, and reinforcement learning. Supervised Learning. ... Unsupervised Learning. ... Reinforcement Learning.What is the purpose of machine learning? Machine learning is an application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Machine learning focuses on the development of computer programs that can access data and use it to learn for themselves.Is machine learning hard to learn? There is no doubt the science of advancing machine learning algorithms through research is difficult. It requires creativity, experimentation and tenacity. Machine learning remains a hard problem when implementing existing algorithms and models to work well for your new application.How long will it take to learn machine learning? Machine Learning is very vast and comprises of a lot of things. Hence, it will take approximately 6 months in total to learn ML If you spend at least 5-6 hours each day. If you have good mathematical and analytical skills 6 months will be sufficient for you.What is the syllabus of machine learning? Computational learning theory, mistake bound analysis, sample complexity analysis, VC dimension, Occam learning, accuracy and confidence boosting. Dimensionality reduction, feature selection and visualization. Clustering, mixture models, k-means clustering, hierarchical clustering, distributional clustering.

Computer Science Category's Courses

Course Lesson(19)

Lesson 1 : **Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 1 course information**

Lesson 2 : **Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 2 overview**

Lesson 3 : **Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 3 predictors**

Lesson 4 : **Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 4 validation**

Lesson 5 : **Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 5 features**

Lesson 6 :
Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 6 empirical risk minimization

Lesson 7 : **Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 7 constant predictors**

Lesson 8 :
Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 8 non quadratic losses

Lesson 9 :
Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 9 house prices example

Lesson 10 :
Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 10 non quadratic regularizers

Lesson 11 : **Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 11 neural networks**

Lesson 12 : **Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 12 classifiers**

Lesson 13 :
Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 13 erm for classifiers

Lesson 14 :

Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 14 Boolean classification

Lesson 15 :
Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 15 multiclass classification

Lesson 16 :
Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 16 probabilistic classification

Lesson 17 :
Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 17 erm for probabilistic classif

Lesson 18 :
Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 18 unsupervised learning

Lesson 19 :
Stanford EE104 Introduction to Machine Learning | 2020 | Lecture 19 principal components analysis

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

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