NPTEL Video Course - Computer Science and Engineering - NOC:Machine Learning

Subject Co-ordinator - Prof. Henrik Bostrom, Prof. Fredrik Kilander, Prof. Carl Gustaf Jansson

Co-ordinating Institute - IIT - Madras

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Reinforcement Learning - Part 1 Introduction
Lecture 31 - Reinforcement Learning - Part 2 Learning Algorithms
Lecture 32 - Reinforcement Learning - Part 3 Q-Learning
Lecture 33 - Case - Based Reasoning
Lecture 34 - Tutorial for week 5
Lecture 35 - Fundamentals of Artificial Neural Networks - Part 1
Lecture 36 - Fundamentals of Artificial Neural Networks - Part 2
Lecture 37 - Perceptrons
Lecture 38 - Model of Neuron in an ANN
Lecture 39 - Learning in a Feed Forward Multiple Layer ANN - Backpropagation
Lecture 40 - Recurrent Neural Networks
Lecture 41 - Hebbian Learning and Associative Memory
Lecture 42 - Hopfield Networks and Boltzman Machines - Part 1
Lecture 43 - Hopfield Networks and Boltzman Machines - Part 2
Lecture 44 - Convolutional Neural Networks - Part 1
Lecture 45 - Convolutional Neural Networks - Part 2
Lecture 46 - DeepLearning
Lecture 47 - Tutorial for week 6
Lecture 48 - Tools and Resources
Lecture 49 - Interdisciplinary Inspiration
Lecture 50 - Preparation for Exam and Example of Applications