

DEEP Learning Course Content

Week - 1

INTRODUCTION DEEP LEARNING

- What is a neural network?
- Why Deep Learning?
- How to choose between deep neural networks?
- An old problem: The Vanishing Gradient
- Restricted Boltzmann Machines
- Deep Belief Networks

Week - 3

- What is a Deep Learning Platform?
- H2O.ai
- Dato GraphLab

Week - 2

DEEP LEARNING CONCEPTS

- Convolutional Networks
- Recurrent Nets
- Autoencoders
- Recursive Neural Tensor Nets
- Deep Learning Use Cases

Week - 4

- What is a Deep Learning Library?
- Theano
- Deeplearning4j
- Torch
- Caffe