[L4-DL] Introduction to Deep Learning
Online

Session 1	
Classic Neural Networks	Classical Neural Network Feed Forward Neural Network Backward Propagation
Deep Learning Extensions	Installation & Setup Deep Learning Nodes
Session 2	
Design Elements of Deep Learning	Activation Functions & Loss Functions Options to Avoid Overfitting Tips and Tricks for Deep Learning
Deep Learning Case Studies	Autoencoder (in Anomaly Detection) Gallery of Deep Learning Use Cases
Session 3	
Recurrent Neural Networks	Special Requirements of Sequential Data Introduction to Recurrent Neural Networks (RNN) Introduction to Long Short Term Memory Units Implementing RNNs Applications
Session 4	
Convolutional Neural Networks	Introduction to Computer Vision Introduction to Convolutional Neural Networks Transfer Learning for Image Classification Implementing CNN Applications
Session 5	
Wrap Up Session	Discussion of last Exercise and Q&A