

Bsc Data Science for Responsible Business

Deep Learning Course

Overview of the course

Emmanuel Dellandrea - emmanuel.dellandrea@ec-lyon.fr

Organization

11 x 4h sessions (Lectures / Practical sessions)

Main subjects studied in the course:

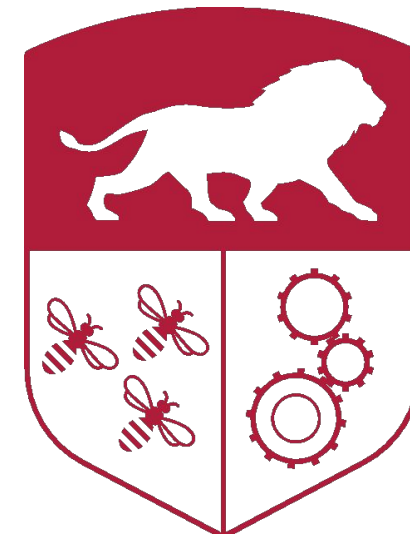
Preliminaries: linear and logistic regression (gradient descent)
Neural networks and backpropagation (Multi-layer Perceptron)
Convolutional Neural Networks
Transformers
Training strategies and optimization

Applications targeted in the practical sessions:

Computer Vision
Natural Language Processing
Business

Course Materials: https://gitlab.ec-lyon.fr/edelland/deep_learning





**CENTRALE
LYON**

36, avenue Guy de Collongue 69130 Écully
www.ec-lyon.fr | [@centralelyon](https://twitter.com/centralelyon)