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Introduction to Deep Learning

Friday, April 5, 2024 2:00 PM (3h 30m)

We will describe the main concepts of Deep Learning (DL). We will focus on Multilayer Neural Network (MLP) and Convolution Neural Network (CNN).
In particular, we will talk about :
- artificial neuron,
- MLP : structure and how it works,
- CNN : structure and how it works,
- a brief review of other NN structures.
Some exercises will be provided to program simple MLP and CNN in Python with Keras.

Prerequisites :
- Practice of Python and main libraries (numpy, pandas, matplotlib).
- Priority will be given to the attendees of « Initiation to Machine Learning ».

Presenter: BOUVET, Francoise (IJCLab)