

1. Introduction to Deep Learning (*Carpeta fundamentos, semana 1*)
  - 1.1. Deep Learning vs Machine Learning.
  - 1.2. Deep Learning Fundamentals.
2. Convolutional Neural Networks (CNN) (*Carpeta CNN, semana 1 y 2*)
  - 2.1. Introduction to Computer Vision.
  - 2.2. Introduction to CNN.
  - 2.3. Use Cases.
3. Recurrent Neural Networks (RNN) (*Carpeta RNN, semana 2 y 3*)
  - 3.1. Introduction to Sequence Modelling.
  - 3.2. Simple RNN.
  - 3.3. Gated RNN.
  - 3.4. Seq to Seq & Attention.
4. Natural Language Processing with *Deep Learning* (*Carpeta NLP, semana 3*)
  - 4.1. Introduction to NLP.
  - 4.2. Word Embeddings.
5. Deep Generative Modelling (*Carpeta generative, semana 3*)
  - 5.1. Discriminative vs Generative.
  - 5.2. Autoencoders.
  - 5.3. Variational Autoencoders (VAEs).
  - 5.4. GANs: Generative Adversarial Networks.