MEF TensorFlow Course Plan

Course date: 28-29-30 December 2022, Wednesday, Thursday and Friday

Course time: 19.00-22.00

28 December Wednesday

Fundamentals:

- What?

- Why?

- Introduction to Tensors

It will take one notebook. It will took approximately 1.5 hours.

Neural Network Regression:

Basic regression model with neural network. It will take one notebook and approximately 1 hour.

Neural Network Classification:

Basic classification model with neural network. It will take one notebook and approximately 1 hour.

29 December Thursday

Convolutional Neural Networks and Computer Vision with TensorFlow:

Binary and multiple classification with TensorFlow on an image dataset. It will take one or two notebook and approximately 3 hour.

30 December Friday

Feature Extraction and Fine-Tuning with Transfer Learning

Showing how to use a pre-trained model on a new data to extract features from new images or train the model on our new data. It will take two notebook and approximately 3 hour.