

Training: Compendium CE
 Introduction to Tensorflow and Keras


FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	250 EUR	1 day
Traditional	Digital materials	250 EUR	1 day
Traditional	CTAB Tablet	400 EUR	1 day
Distance learning	Hardcopy	250 EUR	1 day
Distance learning	Digital materials	250 EUR	1 day
Distance learning	CTAB Tablet	250 EUR	1 day

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING GOALS:

The aim of the workshops is to present main concepts and workflow of two popular Machine Learning libraries - Tensorflow and Keras. During the introduction we are going to work on prepared datasets and prepare an application using AI from the very beginning. The workshop is intended to present how to use these tools in order to create a ML project but is not going to cover the theoretical background.

Outcomes

- Participants will prepare their first ML application from scratch
- Each participant will get familiar with the basics of Tensorflow and Keras libraries and will be able to dive in a project using them

CONSPECT:

- An overview of Tensorflow and Keras architecture
 - Basic concepts of Tensorflow and Keras computation graphs
 - The relationship between Tensorflow and Keras
 - Exercise 1
- Preparing an AI architecture
 - A description of designing AI architecture with Tensorflow

- Moving from Tensorflow to Keras
- Exercise 2
- Fitting and tuning the ML model
 - Selecting the best parameters for a particular problem with Tensorflow and Keras.
 - Exercise 3
- Moving from research to production
 - An overview of possibilities for moving from research to production with Tensorflow and Keras
 - Exercise 4

REQUIREMENTS:

- Knowledge of Python or any other programming language on an intermediate level
- Familiarity with basic Machine Learning Concepts

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Compendium CE.

TRAINER:

Certified Compendium CE Trainer.