Training: Compendium CE
An introduction to data analysis

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:

During the training we will introduce the participants to the subject of data analysis. The workshops will show how to clean and prepare different kind of data, collected from non-heterogeneous systems, to be then analyzed. All the processing will be done in Python scripts with the publicly available tools. The workshops will cover some common data analysis issues, and the possible solutions to these problems. Any organization gathering any kind of data may find the training useful.

Outcomes

- An access to exclusive materials covering the scope of the workshops
- A good understanding of the basic data analysis processes

CONSPECT:

- Introduction
  - An overview of data related professions and terms
  - Defining a problem to make it solvable with data science techniques
- Data preparation<
  - Problem definition
  - Collecting the data from different sources: relational databases, HTTP REST API, web scraping, etc.

Compendium Education Center Ltd.
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ul. Bielska 17, 02-394 Warszawa, tel.: (22) 417 41 70

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    - Different strategies for cleaning and pruning the data, depending on its type and found issues
    - Data enrichment for improving its quality
    - Exercise 1
- Finding patterns
    - An overview of data characteristics
    - Analyzing collected dataset for finding the underlying regularities
    - Visualizing the outcomes and preparing reports
    - Exercise 2

REQUIREMENTS:

- Basic knowledge of Python, preferably some experience with Jupyter Notebook
- Understanding of data structures

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Compendium CE.

TRAINER:

Certified Compendium CE Trainer.

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