ESTABLISHMENT OF TRAINING AND RESEARCH CENTERS AND COURSES DEVELOPMENT ON INTELLIGENT BIG DATA ANALYSIS IN CENTRAL ASIA-ELBA

610170-EPP-1-2019-1-ES-EPPKA2-CBHE-JP

TRAINING ELBA – JANUARY, FEBRUARY 2022

Jan 24, 2022 to Feb 4, 2022

Faculty of Mathematics, Natural Sciences and Information Technologies (FAMNIT), Slovenia

Day 1, Jan 24 (ROOM: AVLA GLAGOLJAŠKA, GROUND FLOOR)	
10:00 – 10:30	Meet & greet at Tito Sqare (Titov trg) in Koper
10:30 – 11:00	Coming into the Lecture Room and Software Installation Check
11:00 – 11:30	Break
11:30 – 13:30	Data Visualization (I)

Day 2, Jan 25 (ROOM: FAMNIT-VP3, 2nd FLOOR)	
09:00 – 09:30	Welcome by the Dean of the Faculty prof. Ademir Hujdurović, PhD
09:30 – 11:30	Data Visualization (II)
11:30 – 12:00	Break
12:00 – 13:30	Data Visualization (III)

Day 3, Jan 26 (ROOM: FAMNIT-VP3, 2nd FLOOR)	
15:00 – 17:00	The SQL databases & queries (I)
17:00 – 17:30	Break
17:30 – 19:30	The SQL databases & queries (II)

Day 4, Jan 27 (ROOM: FAMNIT-VP3, 2nd FLOOR)	
09:30 – 11:30	Feature Engineering
11:30 – 12:00	Break
12:00 – 13:30	Compute Vision and Convolutional Neural Networks

Day 5, Jan 28 (ROOM: FAMNIT-VP3, 2nd FLOOR)	
09:30 – 11:30	Artificial Neural Networks and Deep Learning (I)
11:30 – 12:00	Break
12:00 – 13:30	Artificial Neural Networks and Deep Learning (II)

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Day 6, Jan 31 (ROOM: AVLA GLAGOLJAŠKA, GROUND FLOOR)	
09:30 – 11:30	Machine Learning Explainability and Evaluation of the Models (I)
11:30 – 12:00	Break
12:00 – 13:30	Machine Learning Explainability and Evaluation of the Models (II)

Day 7, Feb 1 (ROOM: AVLA GLAGOLJAŠKA, GROUND FLOOR)	
09:30 – 11:30	Geospatial Analysis
11:30 – 12:00	Break
12:00 – 13:30	Text Classification and Natural Language Processing

Day 8, Feb 2 (ROOM: AVLA GLAGOLJAŠKA, GROUND FLOOR)	
09:30 – 11:30	Mining Data Streams
11:30 – 12:00	Break
12:00 – 13:30	Link Analysis and Data Mining in Graphs

Day 9, Feb 3 (ROOM: AVLA GLAGOLJAŠKA, GROUND FLOOR)	
09:30 – 11:30	Discovering Frequent Itemsets and Association Rules
11:30 – 12:00	Break
12:00 – 13:30	Recommender Systems

Day 10, Feb 4 (ROOM: AVLA GLAGOLJAŠKA, GROUND FLOOR)	
09:30 – 11:30	Freely Available and Open-source Data Repositories and Systems
11:30 – 12:00	Break
12:00 – 13:00	Short Visit of Faculty Labs and Data Center