**RE-TRAINING ELBA – MAY, JUNE 2022**

May 30, 2022 to June 3, 2022

Technological University of Tajikistan (TUT), Tajikistan

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| **Day 1, May 30 (ROOM: AUDITORIUM 1/206, BUILDING #1, 2nd FLOOR)** | |
| 09:00 – 10:00 | **Introduction, setting up, the data mining pipeline in WEKA** |
| 10:00 – 11:00 | Break |
| 11:00 – 12:30 | **Finding, importing, transforming, visualizing the data** |
| 12:30 – 14:00 | Lunch break |
| 14:00 – 15:30 | **More data formatting, sampling, and imputation** |
| 15:30 – 16:00 | Short break |
| 16:00 – 17:30 | **Hands-on ETL on example datasets in WEKA (part 1)** |

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| **Day 2, May 31 (ROOM: AUDITORIUM 1/206, BUILDING #1, 2nd FLOOR)** | |
| 08:30 – 10:00 | **Hands-on ETL on example datasets in WEKA (part 2)** |
| 10:00 – 10:10 | Short break |
| 10:10 – 11:40 | **Introduction to corpora and their usage in NLP** |
| 11:40 – 11:50 | Short break |
| 11:50 – 13:30 | **Using SketchEngine to create and tag corpora; Terminology definition and usage** |
| 13:30 – 15:00 | Lunch break |
| 15:00 – 16:30 | **ELBA – meeting with the Head of International Office to discuss collaboration** |

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| **Day 3, June 1 (ROOM: AUDITORIUM 1/206, BUILDING #1, 2nd FLOOR)** | |
| 08:30 – 10:00 | **Simple classification methods – Majority class, OneR, Naïve Bayes** |
| 10:00 – 10:10 | Short break |
| 10:10 – 11:40 | **Introduction to decision trees – the ID3 algorithm** |
| 11:40 – 11:50 | Short break |
| 11:50 – 13:30 | **Decision trees on real-world data – the C4.5 algorithm (part 1)** |
| 13:30 – 15:00 | Lunch break |
| 15:00 – 16:30 | **ELBA – meeting with the Vice-rector to discuss course materials** |

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| **Day 4, June 2 (ROOM: AUDITORIUM 1/206, BUILDING #1, 2nd FLOOR)** | |
| 08:30 – 10:00 | **Decision trees on real-world data – the C4.5 algorithm (part 2)** |
| 10:00 – 10:10 | Short break |
| 10:10 – 11:40 | **Decision rules – the covering approach and PRISM algorithm** |
| 11:40 – 11:50 | Short break |
| 11:50 – 13:30 | **Evaluation – different strategies for assessing knowledge (tutorial)** |
| 13:30 – 15:00 | Lunch break |
| 15:00 – 16:30 | **ELBA – project meetings** |

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| **Day 5, June 3 (ROOM: AUDITORIUM 1/206, BUILDING #1, 2nd FLOOR)** | |
| 08:30 – 10:00 | **Evaluation – comparing different algorithms (hands-on experiments in WEKA)** |
| 10:00 – 10:10 | Short break |
| 10:10 – 11:40 | **Miscellaneous – clustering, regression, frequent itemsets, …** |
| 11:40 – 11:50 | Short break |
| 11:50 – 13:30 | **Closing ceremony – certificate awarding** |
| 13:30 – 15:00 | Lunch break |
| 15:00 – 16:30 | **ELBA – eventual project meetings** |

<https://forms.office.com/r/YzCDxNXPMr>