HERISTEM Project announces 2nd Workshop entitled

DATA SCIENCE
&
DATA MINING

which will be held between 22nd and 27th of March 2021.

The Workshop will be organized online
(with ZOOM and other e-learning tools)

The Workshop organizers are the Department of Archaeology, Faculty of Arts, and Faculty of Computer and Information Science, University of Ljubljana.

The Workshop is primarily aimed at teaching and research staff, PhD and MA students of heritage disciplines. The program consists of 40 hours of lectures and practical exercises.

HERISTEM partners are asked to send the list of participants (learners) by Thursday, 18th of March to predrag.novakovic@ff.uni-lj.si.

Monday, 22/03/21

9.30 Opening

9.40 Data nature of archaeology
(*P. Novaković*)

10.40 Big data in archaeology: the illusion of the total past (*D. Mlekuž*)

11.40 Introduction to data exploration
(*A. Pretnar, B. Zupan*)

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14.00 Data clustering
(*A. Pretnar, B. Zupan*)

15.00 Data projection
(*A. Pretnar, B. Zupan*)

Tuesday, 23/03/21

9.00 – 12.00
Classification and regression
(*A. Pretnar, B Zupan*)

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13.00 – 16.00
Exercises in predictive modeling
(*A. Pretnar, B. Zupan*)

Wednesday, 24/03/21

9.00 – 12.00
Text mining and image analytics
(*A. Pretnar, B Zupan*)

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13.00 – 16.00
Exercises in data clustering
(*A. Pretnar, B. Zupan*)

Friday, 26/03/21

9.00 – 12.00
Deep learning: Introduction & main principles
(*D. Skočaj, V. Zavrtanik*)

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13.00 – 16.00
Deep learning: case studies & exercises
(*D. Skočaj, V. Zavrtanik*)

Thursday, 25/03/21

9.00 Computer vision & underwater heritage objects (*M. Erič*)

10.00 Modelling past settlement systems using data science (*D. Mlekuž*)

11.00 3D model processing: a Palaeolithic wooden point (*E. Guček Puhar*)

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14.00 3D point clouds – acqisition & modelling (*A. Jaklič*)

Saturday, 27/03/21

9.00 – 10.30
Deep learning: exercises
(*D. Skočaj, V. Zavrtanik*)

10.30 – 12.00
Deep learning: advanced concepts & brain storming
(*D. Skočaj, V. Zavrtanik*)

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13.00
Discussion