

**Spring school 2022 afternoon workshop**  
**“Interdisciplinary and digital Uralistics”**

**Monday 4.4.**

- 14:30-14:45 Introduction to the course (Outi Vesakoski)
- 14:45-15:15 Cultural history of the North-Western Eurasia (OV)
- 15:15 – 15:45 Linguistic history of Uralic language family (OV)
- 15:45-16:00 Hypothesis of the joint spread of languages and cultures (OV)
- Break
- 16:30-18:00 Genetic diversity of North-Western Eurasia (Kristiina Tambets)

**Tuesday 5.4.**

- 14:30 - 15:00 Introduction to UraTyp (Miina Norvik)
- 15:00 - 16:00 Introduction to R (Yingqi Jing)
- Break
- 16.30 - 18:00 Tidy data, working with Uratyp, the Tidyverse (Michael Dunn)

**Wednesday 6.4.**

- 14.30 - 15:30 Data clustering with Principal Components Analysis (PCA) (MD)
- 15:30 - 16:00 Pairwise similarity, geographic distance, heatmaps (YJ)
- Break
- 16.30 - 18:00 Pairwise similarity, geographic distance, heatmaps (continued) (YJ)

**Thursday 7.4.**

Lecture “Spatial approach in human history research”

- 14:30 - 14:40 Introduction (Meeli Roose, Timo Rantanen)
- 14:40 - 15:00 Multidisciplinary studies of the human past - spatial data platform (MR)
- 15:00 - 15:20 Language mapping, Uralic case study (TR)
- 15:20 - 15:30 Interactive Quiz (MR, TR)
- Small break
- 15:35 - 16:00 Introduction to spatial approach and GIS (TR)
- Break
- 16:30 - 17:15 Data browsing and functionalities in web-application URHIA (MR)
- 17:15 - 18:00 Data browsing and functionalities in desktop GIS (MR)

**Friday 8.4.**

Workshop: creating and visualizing spatial data, case Estonia

- 14:30 - 14:40 Warm up to digitizing vector data (TR)
- 14:40 - 15:15 Creating a point data (TR)
- Small break
- 15:15 - 15:25 Demo of digitizing and editing polygon (TR)
- 15:25 - 16:00 Creating a polygon data (TR)
- Break
- 16:15 - 17:00 Preparing a printable map (TR)
- 17:00 - 17:30 Wrap up - language maps examples, Interactive Quiz (MR, TR)