

Tuesday, 12.9.2023

09:00 – 12:00

Session 1: Data Exploration

We jump right into the action and learn how to wrangle and visualise data in R using packages from the tidyverse.

13:00 – 17:00

Session 2: Tips and Cautionary Tales

We learn how to make our R analyses transparent, accessible and reproducible, following the principles of open science. We learn how to work collaboratively and where to find help in times of trouble.

Wednesday, 13.9.2023

09:00 – 12:00

Session 3: Data Types and Functions

We delve into theory and explore R's most important data types. We get to know functions, functionals and loops, and learn when to use and when not to use them in R. We write our own functions and test and debug them.

13:00 – 17:00

Session 4: Spatial Data

We learn how to work with spatial vector and raster data in R. We perform spatial operations, transform data between different coordinate reference systems and visualise it on a map.

Thursday, 14.9.2023

09:00 – 12:00

Session 5: Project

You put into practice the skills you've learned in the course and carry out a spatial analysis end-to-end.

13:00—17:00

Session 6: Wrap-up

We conclude the course with a wrap-up and feedback session.