

Geospatial Data Carpentry for Urbanism

19-20 February 2024

TU Delft Library, Orange Room

Meet the team



Ana



Claudiu



Clémentine



Daniele



Javier



Jerome



Kyri



Manuel



Paula



Selin

Icebreaker



Tell us your name and favourite geographic location.

Photo by [Dmitrii Tropinin](#) on [Unsplash](#)

What will you (not) learn?

Quoting from the pre-workshop survey:

- “to use Python or R to process data in a more efficient way”
- “R language”
- “Learning a new programming language”
- “I hope to learn skills that can make me more efficient and self-sufficient”
- “To be more efficient in collecting, managing and working with large datasets through the applications surrounding geodata analysis.”
- “To learn how to cope with large datasets in a more efficient way then using exel or GIS software.”
- “How to conduct statistical analysis combing geo information”
- “data scraping methods”

Program

Day 1

- 09:00-09:15 Introduction
- 09:15-12:15 Part 1. **Introduction to R** (incl. 1 break)
- 12:15-13:00 Lunch
- 13:00-16:40 Part 2. **Working with vector data in R** (incl. 1 break)
- 16:40-17:00 Closing & feedback

Day 2

- 09:00-09:10 Opening
- 09:10-12:15 Part 3. **Working with raster data in R** (incl. 1 break)
- 12:15-13:00 Lunch
- 13:00-16:40 Part 4: **Working with OSM data and GIS in R** (incl. 1 break)
- 16:40-17:00 Closing & feedback
- 17:00 Drinks

How do we work?

- Code along with the instructor.
- With  green and  red sticky notes you indicate that you  are or  are not on track when prompted by the instructor.
- When you are stuck, put a  red sticky note on the back of your screen and a helper will approach you.
- Copy & paste code from the [livecode repository](#) if you are behind and need to catch up.

Code of conduct

- Use welcoming and inclusive language
- Be respectful of different viewpoints and experiences
- Gracefully accept constructive criticism
- Focus on what is best for the community
- Show courtesy and respect towards other community members

If you believe someone is violating the [Code of Conduct](#), we ask that you report it to The Carpentries Code of Conduct Committee [completing this form](#), who will take the appropriate action to address the situation.

Practicalities

- **Photos and videos will be taken** - indicate your consent to be photographed or filmed on your wearable name tag (green = YES, red = NO) or simply let us know if you prefer not to display your choice.
- **Ph.D. candidates receive 1,5 GS credits** if they attend and actively participate in the entire workshop - attendance forms will be handed out at the end of Day 2.
- **Lunch** (both days), **coffee/tea** (breaks) and **drinks** (end of day 2) will be provided.

Competition

The background image shows two rowing crews on a body of water. In the upper left, a crew of four (three rowers and one coxswain) is visible in a white boat, moving away from the viewer. In the lower right, another crew of four (three rowers and one coxswain) is visible in a white boat, moving towards the viewer. Both crews are using long oars to propel their boats through the water, creating white foam at the sterns.

Photo by [Mark König](#) on [Unsplash](#)