

Data wrangling and visualization with Tidyverse

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ECTS-Points	
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Dates and time	April 6 (9:30am – 4:30 pm) online April 27 (9:30am – 4:30 pm) online
Content	<p>R is a powerful, versatile, and open-source software environment tailored for statistical computing. It enables users to efficiently manage, manipulate, and analyze data, offering diverse options for presenting scientific results. Despite its capabilities, beginners may find R challenging due to its programming language structure, which differs significantly from commercially available statistical software like SPSS or Excel and their graphical user interfaces.</p> <p>The "Data Wrangling and Visualization with Tidyverse" workshop is a comprehensive, hands-on training session designed for data enthusiasts eager to master the art of manipulating and visualizing data in R using the Tidyverse suite of packages. This engaging workshop begins by introducing participants to the Tidyverse ecosystem, focusing on pivotal packages like ggplot2 for data visualization, dplyr for data manipulation, and tidyr for data tidying. Through a mix of theoretical explanations and practical exercises, attendees will learn to perform data wrangling tasks with greater efficiency and precision. The course emphasizes real-world applications, allowing participants to explore various data sets and encouraging them to create compelling, insightful visualizations. Whether a novice or looking to refine existing R skills, this workshop offers invaluable insights into making the most of the Tidyverse for effective data analysis.</p> <p>Prerequisites: No prior experience with tidyverse is required, although a basic familiarity with R programming will be needed.</p>
Preliminary Program	Day 1

	<ul style="list-style-type: none">1. The power of R – Analyzing our first dataset2. Data wrangling I3. Data wrangling II
	<p>Day 2</p> <ul style="list-style-type: none">1. Data wrangling III2. Data visualization with ggplot2 I3. Data visualization with ggplot2 II