

Trainer



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- He has extensive computational biology experience - both in academia and industry
- He is currently working at the Bioinformatics and Scientific Computing Core Facility at the Vienna Bio-center Campus
- His main tasks are the development of short courses on biostatistics and scientific programming

Scientific Visualization with the ggplot Package in R

Objective

The participants will be introduced to the general principles of scientific visualization, and learn visualization techniques using the ggplot package.

Description

The online course consists of the following major modules:

1. *Principles of scientific visualization*: data types, visuals, short introduction to human visual physiology and psychology
2. *Introduction to ggplot*: the „grammar of graphics“ approach, data -> visual mappings
3. *Scientific plots*: scatterplots, bar charts, histograms, densities. Visualising multivariate datasets with faceting

Methodology

Interactive lecture with numerous small hands-on exercises using the RStudio programming environment.

Conditions

Basic familiarity with the R programming language is required.

Organizational Information

Language	English
Target group	Doctoral Candidates at all stages and Postdocs from all faculties
Date	Wednesday, 28 October 2020, 9:00 – 13:00
Registration	For registration click here