

## 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.

### Trainer



**Dr. András Aszódi**  
VBCF BioComp, Vienna

- 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.

### Organizational Information

Language	English
Target group	Doctoral Candidates at all stages and Postdocs from all faculties
Date	Wednesday, 14 April 2021, 9:00 – 13:00
Registration	<a href="#">For registration click here</a>