Basic Skills and Methods Course

Linear Models in R

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26 May + 1 June 2021 + exercises in between
09.00 – 14.00 hrs.

Objectives
Linear models describe a continuous response variable as a function of one or more predictor variables. They can help to understand and predict the behaviour of complex systems or analyse experimental and/or biological data.
This course introduces way to find the right model to analyse your data and to interpret and prepare the results for publication.

Topics
- Linear Models in R (ANOVA and Linear Regression)
- Model validation
- Graphical representation of the results
- Interpretation of results

Methods
The course will consist of lectures and demonstrations, with a practical part consisting of exercises the participants need to solve independently. Participants will get a feedback on the solved exercise part.

Prerequisite
The course will use R and Rstudio as a work platform and interface. Thus, participants need to be familiar with the basics of R and Rstudio.

Format and Schedule

Live online via Zoom (the link will be provided before the course)

Time: 09.00 – 14.00 (incl. short breaks)

There will be exercises to solve (**"homework"**) between the first and the second course day.

Please note that in our online courses, we expect people to turn on their cameras. This is a matter of respect towards the lecturer/s and makes any kind of interaction much easier.

Registration

To register for this course, please visit the course webpage:
https://www.marum.de/en/education-career/2021-05-26.html

Please note that your registration will be binding.

The registration deadline for this course is **18 May 2021**.

Any enquiries regarding the course should be addressed to early-career@marum.de.