

MARUM / GLOMAR Basic Skills and Methods Course:

An Introduction to R (software use and code writing)

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Objectives

This course is an introduction to the practical use (programming and code writing) of the free software package R for statistics and graphics. This course aims to introduce you to the basic principle of the vector-oriented programming language and code writing in R and the main way of data processing and data manipulation (i.e. applying functions and running calculations). In addition, the course covers the main aspects from download, setup, practical adjustments in the software, as well as packages and libraries to get you started. After a theoretical introduction, we will have practical sessions of basic script writing. Once you have understood the basic concept (incl. commands and language), you will see how easily you can explore the R environment yourself and gather further knowledge and apply statistics and produce graphs. Please note, however, that statistics and graphical presentations are NOT the actual aim of this present course.

Software used in the course

R: Version R 3.2.0 (for Windows)
Tinn-R: Text editor version 4.0.2 (for Windows)

Please note:

*Participants who would like to **bring their own laptops** may do so but are responsible to make sure that the software is running properly by the beginning of the course.*

Instructions for downloading and setting up R are available at: <http://www.r-project.org>.

Tinn-R can be downloaded at: <http://nbcgib.uesc.br/lec/software/editores/tinn-r/en>.

***During the course**, support can only be given for laptops provided by GLOMAR.
The main operating system during the course will be Windows.*

Target group

Beginners

Location and time

MARUM, University of Bremen, Leobener Str., 28359 Bremen, Germany, Room 2070

09.00 – 13.00 hrs.

Participation in day 4 is optional

Registration

To register for this course, please fill in the [registration form](#).

Please note that your registration will be binding.

The registration deadline for this course is **12 July 2015**.

Any enquiries regarding the course should be addressed to glomar-courses@marum.de.