

Seminar offering within the GGG course programme

course title:

An Introduction to R

lecturer:

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organization:

Chair of statistics

date & time:

Mon. 14.10. - Fri. 18.10.
10:00 - 12:00 + 14:00 - 16:00

target group:

beginners OR advanced learners

language of course and discussion:

English OR German

maximum number of participants: 10

conditions of participation:

basic mathematics (especially matrix algebra) / introductory course in statistics

credits (ECTS): 2

brief description:

This course is primarily aimed for PhD students from the faculties participating in the GGG and who plan to conduct empirical analyses within their PhD project. Prior knowledge of R is not required. However, the participants are supposed to be familiar with basic statistics (e.g. from introductory courses in statistics or econometrics).

The freely available statistical software environment R has established itself as a de-facto standard in many areas of statistics over the last years.

The aim of this workshop is to provide an introduction into statistical programming and regression analysis with R.

The number of participants is limited to 10. The participants are supposed to bring their own laptops. At the end of the course, participants are welcome to work on their own empirical analysis. If problems occur help will be provided. In order to obtain a course certificate it is necessary to actively participate in the workshop and to hand in a report (either based on own data or on exercises prepared by the lectures).

literature:

location:

"Tagungszentrum an der Historischen Sternwarte"

catering:

There is a small kitchen (,kitchenette') in the "Tagungszentrum" that can be used for coffee or tea purposes. All equipment necessary (e.g. coffee machine, dishes, cutlery, etc.) is available.

Please take care of tea, coffee, milk, etc. on your own. The same also applies to food and cold drinks.

lesson contents:

1. Introduction and fundamentals of R
2. Importing and coding data, basic graphics in R
3. Statistical programming
4. Regression analysis

performance requirements:

In order to obtain a course certificate it is necessary to actively participate in the workshop and to hand in a report (either based on own data or on exercises prepared by the lectures).

kind of (written) examination:

- paper
- written composition
- presentation
- other:

provision of advance information (e.g. literature or list of seminar papers)

by lecturer via e-mail

OR

presumably not necessary

comments/notes/other:

The participants are supposed to bring their own laptops.