Short Course Statistics - R-Course

Objective

- Learning the application of statistical software in data analysis.
- Introduction to the freeware tool for statistical analysis R.

Description

You will learn how to use the statistical analysis tool R for the organizational and graphical representation of empirical data. We will discuss how to program and apply the statistical tests explained in the corresponding workshop Short Course Statistics – Theory taking place on 24 April 2023.

The workshop will cover:

- Import of data and overview
- Descriptive statistics and graphical representations
- Application of common statistical tests and linear regression models
- Simulations, writing one’s own functions
- Outlook on further statistical models

Conditions

Pre-requisite for this workshop is a basic knowledge in the theory of statistics, such as presented in the corresponding workshop Short Course Statistics – Theory taking place on 24 April 2023.

Organizational Information

<table>
<thead>
<tr>
<th>Language / Format</th>
<th>English / On campus</th>
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<tbody>
<tr>
<td>Target group</td>
<td>Doctoral Candidates at all stages and Postdocs from all faculties</td>
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| Date              | Tuesday-Wednesday, 25-26 April, 9:00 – 15:30  
                       Friday, 28 April 2023, 9:00 – 15:30 |
| Registration      | For registration click here |

Trainers

M.Sc. Solveig Plomer  
Goethe-University, Frankfurt  
- M.Sc. Mathematics, specialized in statistics
- Scientific assistant in the group statistics / Goethe University, FB12
- Consultant for statistical solutions and implementation in R and Python, Freelancer since 2017

Annika Meyer  
Goethe-University, Frankfurt  
Annika Meyer is a master’s student in mathematics with a minor in Computer Science and specializing in Statistics and Statistics.