Linear Regression with R

**Objective**

The participants learn to understand the intuition behind linear regression models in statistics in order to use these methodologies more productively in their research.

**Description**

The course consists of the following major modules:

1. Linear regression: the basic principles. Ordinary least squares
2. Regularisation: LASSO, Ridge, Elastic net
3. Nonlinear problems: polynomial regression, linearization techniques

**Methodology**

Interactive lecture with numerous small hands-on exercises using the RStudio programming environment.

**Conditions**

Familiarity with the R programming language and basic statistical knowledge are required.

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**Organizational Information**

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<thead>
<tr>
<th>Language / Format</th>
<th>English / Online</th>
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<tbody>
<tr>
<td>Target group</td>
<td>Doctoral Candidates at all stages and Postdocs (R2/R3) from all faculties</td>
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<tr>
<td>Date</td>
<td>Thursday, 27 June 2024, 9:00 – 13:00</td>
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<tr>
<td>Registration</td>
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