

Linear Regression with R

Trainer



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- He has extensive computational biology experience - both in academia and industry
- He is currently working at the Bioinformatics and Scientific Computing Core Facility at the Vienna Bio-center Campus
- His main tasks are the development of short courses on biostatistics and scientific programming

Objective

The participants shall understand the intuition behind linear regression models in statistics so that they can use these methodologies more productively in their research.

Description

The online 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, linearisation 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.

Organizational Information

Language	English
Target group	Doctoral Candidates at all stages and Postdocs from all faculties
Date	Tuesday, 13 April 2021, 9:00 – 13:00
Registration	For registration click here