

Short Course Statistics - Theory

Trainer



Prof. Dr. Gaby Schneider
Goethe University, Frankfurt

Computer Sciences and
Mathematics

Objective

To acquaint doctoral candidates and postdocs with important basic statistical methods

Description

Modern statistics is a powerful tool for understanding experimental data. By looking at interesting sets of real data, we will get an idea of the kind of questions statistics can address and the methods it uses to investigate them.

This online workshop will cover:

- The idea of statistics: modelling variability
- Descriptive statistics: the data in a nutshell
- Graphical representation: the message at a glance
- Statistical significance: what does the p-value really mean?
- Tests of location: is Y bigger than X?
- Regression: how does Y depend on X?
- Analysis of variance: how to compare more than two groups?
- Categorical data: the analysis of contingency tables

Organizational Information

Language	English
Target group	Doctoral Candidates at all stages and Postdocs from from all faculties
Date	Thursday, 22 October 2020, 9:30 – 16:30
Registration	For registration click here