Short course description

While scientists are often keen to do their practical work in the lab they sometimes struggle when performing their data analysis actually being an important step towards correct scientific reasoning. One common reason is that there was no course on data analysis during their degree program at university.

In this course you'll become familiar with common data analytical concepts that are important for life scientists. For a detailed schedule see below.

Who we are

We are a team of passionate scientists with a strong dedication to bring even tiniest pieces of information to the surface by data analysis.

Contact

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„It is important to become comfortable with the use of statistical methods in order to communicate and defend your scientific data."

Data Analysis Tools

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Why join this training?

You

- get a user-oriented training in tiny groups.
- explore statistical analyzes and how to implement them in Excel.
- learn about safe handling and exploration of scientific data.
- become confident in performing the right analyzes.
- learn how to interpret statistical results in the light of your hypothesis.
- draw the correct conclusions.

DATA ANALYSIS IN EXCEL FOR LIFE SCIENTISTS

From basics to the design of your own data analysis procedures in Excel

Who should attend?

Scientists with a strong focus in life science (e. g. Biologists, Biochemists, Pharmacologists, Biophysicists, Physicians etc.).

Where does this training course take place?

We will do the course in the beautiful black forrest region in the south-west of Germany. The exact location will be announced a few weeks before the start of the course.

When does this training course take place?

An effective training will last for three days and can be booked on demand. Simply contact us and we will be happy to give you a quote.

How much does the training course cost?

The course fee is 1400 € and includes coffee and snacks as well as lunch for the training days. We promise you will love it.

Will the training be in English?

We offer to do the training either in **German** or in **English**. Let us know what you prefer.

How does the schedule look like?

Introduction

Why become familiar with data analysis?

Learn how to perform different calculations (e. g. scalar and matrix calculations) in Excel

Learn other basics like integration, differentiation and how to use the Solver in Excel

Data Exploration

Learn how to preprocess your data

Learn how to effectively play around with your data

Learn how to create different statistical graphs and how to make them ready for publication

Statistical hypothesis testing

Learn different statistical tests such as Student's t-test, ANOVA, rank-based tests, testing for normality and equivalence testing

How to interpret p-values

How to interpret error bars (especially confidence intervals)

Regression Analysis

Regression analysis basics

Linear regression and nonlinear regression using the Solver in Excel

User-dedicated training for life scientists.

What should you bring to the training?

If possible, please bring your own notebook to the course. Additionally, it would be great if Excel would be installed on it. If you don't have an Excel license you might install an open-source alternative such as LibreOffice Calc.

Are you interested in joining the training?

Simply contact us and get a quote.

Contact us