

# Welcome to Data Train

## Building Your Data Skills

The Data Train Program is designed to equip early-career researchers and students with essential skills in research data management and data science. The program is divided into multiple “tracks” to accommodate a variety of learning needs.

## The Starter Track: January to June

The journey begins each January with a **Kick-off and Networking Event, welcoming all those interested in enhancing their data skills.** The Starter Track offers a series of lectures covering data-related topics across various disciplines, ideal for anyone new to research data management and data science. These sessions can be attended in person or online, allowing you to participate in the format that suits you best. Participants may choose to complete the entire track or attend sessions of interest. Upon completion, a **Certificate of Participation** is awarded.

## The Operator Track: July to December

From July onward, two advanced tracks alternate to provide hands-on, practical experience: **Data Steward Track** and **Data Scientist Track**. These workshop series focus on applied data skills and computational analysis methods, helping you deepen your expertise. Primarily targeted at doctoral researchers within the U Bremen Research Alliance and DataNord partners, the workshops are also open to postdoctoral researchers, advanced students and everyone interested.

## Data Stories: Insights from Academia and Industry

Throughout the year, Data Stories sessions feature invited talks by industry professionals and academic experts, providing insights into real-world applications of data science. These inspiring events also offer ideal networking opportunities.

For more details and the latest updates on our program, please visit the **Data Train website**: <https://www.bremen-research.de/data-train>

# STARTER TRACK PROGRAM 2025

**15 January**  
10:00 – 12:30

### Kick-off event

Prof. Dr. Iris Pigeot (BIPS)  
Prof. Dr. Frank Oliver Glöckner (AWI)  
Prof. Dr. Rolf Drechsler (UB)  
hybrid

**23 January**  
09:00 – 12:00

### Data science and big data

Björn Tings (DLR)  
hybrid

**13 February**  
10:00 – 12:00

### Data protection and licenses

Prof. Dr. Dennis-Kenji Kipker (HSB)  
online

**20 February**  
09:30 – 12:00

### Philosophical reflections on data science

Prof. Dr. Dr. Norman Sieroka (UB)  
Dr. Tammo Lossau (UB)  
online

**25 February**  
09:00 – 12:00

### Cryptography basics

Prof. Dr. Dieter Hutter (DFKI)  
hybrid

**27 February**  
09:00 – 12:00

### Security & privacy

Prof. Dr. Dieter Hutter (DFKI)  
hybrid

**06 March**  
09:00 – 12:00

### Statistical thinking

Prof. Dr. Iris Pigeot (BIPS)  
online

**12 March**  
13:00 – 16:00

### Data and information management

Prof. Dr. Frank Oliver Glöckner (AWI)  
Dr. Ivaylo Kostadinov (GFBio e.V.)  
online

**13 March**  
09:30 – 12:00

### Asking (the right) research questions in data science

Prof. Dr. Vanessa Didelez (BIPS)  
hybrid

**20 March**  
10:00 – 12:00

### About the meaningfulness of data

Prof. Dr. Hans-Christian Waldmann (UB)  
online

**27 March**  
10:00 – 12:00

### Computer science basics for data science

Prof. Dr. Rolf Drechsler (UB)  
Christina Plump (DFKI)  
online

**03 April**  
10:00 – 12:00

### An overview of programming languages

Prof. Dr. Christoph Lüth (UB)  
hybrid

**10 April**  
09:30 – 12:00

### Managing qualitative data

Prof. Dr. Betina Hollstein (UB)  
online

**08 May**  
10:00 – 12:00

### Digital ethics

Björn Haferkamp (UB)  
online

**22 May**  
10:00 – 12:00

### Machine learning basics

Lena Happ (AWI)  
hybrid

**Register now**

[www.bremen-research.de/data-train/courses](https://www.bremen-research.de/data-train/courses)

