



# Welcome to the Data Train Program

#### Getting started with data skills

The Data Train program focuses on teaching various competencies in research data management and data science and consists of different "tracks". The program starts with an overview lecture series - the Starter Track - from January to May on different disciplines to improve your data skills. It begins each January with an official Kickoff and Get-together event.

The Kick- off event and the Starter Track program is open to anyone interested in getting started in research data management and data science. It can be attended in person or via Zoom online (hybrid).

You can complete the entire track or attend specific courses of your choice. At the end of the track, you will receive a Certificate of Participation.

### Advance your data expertise

From June to December, the two operator tracks, the Data Steward and the Data Scientist, alternate, consisting of hands-on workshops using diverse computational analysis methods to apply and deepen your data skills. These workshops are primarily offered to doctoral researchers of the members of the U Bremen Research Alliance. If places are available, post-doctoral researchers and advanced students are welcome to register for different courses.

We also offer Data Stories, which are invited talks from industry and academia.

Please keep track of our program. You can find more information on our Data Train website: www.bremen-research.de/data-train.





Data Train is a joint program of the members of the U Bremen Research Alliance







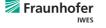


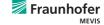


14 March

10:00 - 12:30 CET

















## STARTER TRACK: PROGRAM 2024

17 January **Data Train Kick-off event** 10:00 - 12:30 CET

hybrid (Fraunhofer IFAM & online via Zoom)

23 January 09:30 - 12:00 CET Philosophical reflections on data science

Prof. Dr. Norman Sieroka (UB) Dr. Tammo Lossau (UB) hybrid (UNICOM 2 & online via Zoom)

01 February 09:00 - 12:00 CET Data science and big data

Dr. Björn Tings (DLR) hybrid (UNICOM 2 & online via Zoom)

08 February

09:00 - 12:00 CET

Statistical thinking

Prof. Dr. Iris Pigeot (BIPS) hybrid (UNICOM 2 & online via Zoom)

15 February 9:00 - 12:00 CET Asking (the right) research questions in data science

Prof. Dr. Vanessa Didelez (BIPS) hybrid (UNICOM 2 & online via Zoom)

22 February 09:30 - 11:30 CET About the meaningfulness of data

Prof. Dr. Christian Waldmann (UB) online via Zoom

29 February 09:30 - 11:30 CET Digital ethics Björn Haferkamp (UB)

online via Zoom

07 March 09:00 - 12:00 CET **Data and information management** 

Prof. Dr. Frank Oliver Glöckner (AWI; GFBio e.V.; NFDI4BioDiversity) Dr. Ivaylo Kostadinov (GFBio e.V.; NDFI4BioDiversity)

online via Zoom

Data protection and licenses

Prof. Dr. Dennis-Kenji Kipker (UB; NFDI4Health) online via Zoom

04 April

9:00 - 12:00 CEST

What does ChatGPT actually know? -An application-oriented introduction into Large Language Models

Karen Scholz, Dr. Markus Wenzel (MEVIS) hybrid (UNICOM 2 & online via Zoom)

11 April

9:30 - 12:00 CEST

Managing qualitative data Prof. Dr. Betina Hollstein

(UB SOCIUM; KonsortSWD) online via Zoom

18 April

10:00 - 12:00 CEST

Computer science basics for data science

Prof. Dr. Rolf Drechsler (UB; Data Science Center; DFKI)

hybrid (UNICOM 2 & online via Zoom)

24 April

10:00 - 12:00 CEST

Overview about programming languages

Prof. Dr. Christioph Lüth (UB; DFKI) hybrid (UNICOM 2 & online via Zoom)

16 May

09:00 - 12:00 CEST

Cryptography basics Prof. Dr. Dieter Hutter (DFKI)

hybrid (UNICOM 2 & online via Zoom)

30 May

09:30 - 11:30 CEST

Security & privacy

Prof. Dr. Dieter Hutter (DFKI) hybrid (UNICOM 2 & online via Zoom)

### Register now via our website

www.bremen-research.de/data-train/courses

