U Bremen Research Alliance / Data Train
Training in Research Data Management and Data Science

STARTER TRACK: PROGRAM 2024

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 **Kick-off** 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.

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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

14 March
10:00 – 12:30 CET

Data protection and licenses
Prof. Dr.Dennis-Kenji Kipker (UB; NFDI4Health)
online via Zoom

04 April
9:00 – 12:00 CEST
NEW

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, Christina Plump
(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)

30 April
10:00 – 12:00 CEST

Machine learnig basics   NEW
Lena Happ (AWI)
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

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