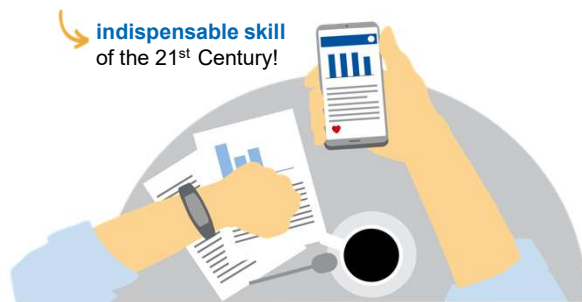


# data.RWTH: Research Data Management as Part of the Data Literacy Education at RWTH

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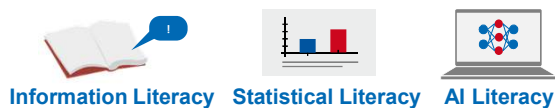
## Data Literacy

**Data literacy** is the ability to collect, manage, evaluate, and apply data, in a critical manner (Ridsdale et al., 2015)



As part of their studies, students should **develop this skillset** to effectively **handle research data** and also apply it to other contexts such as in the workplace and daily life.

Data Literacy is closely connected to other literacies, such as:



## The Project data.RWTH

The project data.RWTH led by RWTH's Center for Teaching and Learning Services develops a set of Data Literacy offers. These offers are open for all RWTH students and are progressively integrated into curricula.

In collaboration with lecturers from different faculties and central institutions at RWTH, we have developed a set of ...

- **Moodle-based Data Literacy courses** (adding up to 10 CP) courses that are integrated into a growing number of study programs at RWTH
- Introductory software courses, e.g. **data.PREP #Python**

The **eight core units** of our first Data Literacy course include:



## Research Data Management (RDM) as part of Academic Data Literacy

In collaboration with RWTH's Research Data Management team, we have developed **videos and Moodle-based exercises** on FAIR data and activities along the Data Life Cycle.

**Learning Outcomes** include:

- ✓ Explain the FAIR principles
- ✓ Create a data management plan using a list of questions in a simple example
- ✓ Name appropriate procedures for deleting data
- ✓ Name reasons for and against the publication of data
- ✓ ...

## Open Educational Resources



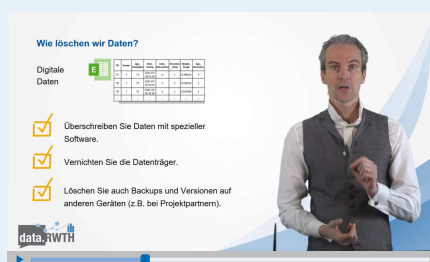
**Videos** (German with subtitles) are published as Open Educational Resources under the **CC-BY 4.0 International license**.

For now, you can find them on YouTube:

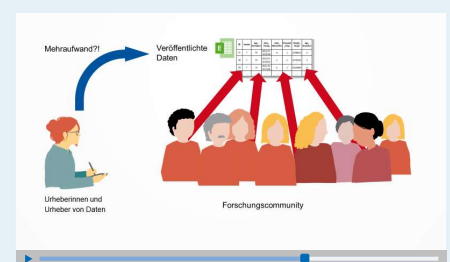
- [Video 1: Was ist Datenmanagement? // What is Data Management?](#)
- [Video 2: Planungsphase // Planning Phase](#)
- [Video 3: Erhebung – Daten organisieren und sichern // Data Collection – Organization and Back-Up](#)
- [Video 4: Datenaufbereitung // Pre-Processing Data](#)
- [Video 5: Archivierung // Data Preservation](#)
- [Video 6: Zugang – Daten publizieren // Publishing Data](#)



Video 1: Was ist Datenmanagement? // What is Data Management?



Video 5: Archivierung // Data Preservation



Video 6: Daten Publizieren // Publishing Data