Data Literacy, Research Data Management, University of Hildesheim

„Best practices for teaching data literacy education include collaboration between educators, organizations, and institutions to ensure goals are being met by all stakeholders; diverse and creative teaching approaches and environment including the effective use of technology; successive/iterative learning with complementary skills integrated (e.g. project-based learning); emphasizing mechanics in addition to concepts (i.e. practical, hands on learning); and increasing engagement with the content by using real world data.“

See: http://dataliteracy.ca/home/key-messages-of-the-knowledge-synthesis/

Data Literacy connects with Information Literacy. Data literacy and involves more than just machine learning and big data analytics.

Data Literacy at the University of Hildesheim can be looked at in the context of the projects around Prof. Heid, dealing with text analysis methods, digital humanities and the combination of numerical text data and beyond.

In the conjunction with the University’s Library, we deal with the topic FAIR Data (findable, accessible, interoperable, re-usable), e.g. „findable“ by DOIs.

The topic of “data literacy“ has long been seen as a task that belongs to the tasks of academic libraries (Learnweb, HilData, OA, etc.). It deals with the handling of tools, i.e. the use of the „tools“ for the different disciplines such as Linguistics (WebLicht, CLARIN-D Tools, etc.).

There should and could be further institutional services for dealing with those tools. This aspect of RDM belongs to the Private Domain and also the Collaborative Domain (Data Continuum) in the RDM Orientation-Framework. At the University of Siegen, the INF project of the Collaborative Research Centre, „Media of Cooperation“ offers the so-called Design Lab / Research (Tech) Lab with a „Living Lab“ Approach which can be useful for interested researchers and students.

See, the UC Berkely Data Science Education Programme:
https://data.berkeley.edu/research/discovery

Data Literacy Education for the SUH Hildesheim?

1. Teaching and learning concepts in the field of computational linguistics (tools that are already used here)
2. RDMO data management tool, DMPTY, DataWiz

(...)