Research Data Management

Markus Stocker

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Outline Lectures

- Research data and data management planning
  - What are research data
  - Research data lifecycle
  - Data types, formats, and standards
  - Metadata
  - Data management, plans and planning tools
- Working with research data
  - Access to research data
  - Data transformations
  - Data storing and databases
  - Versioning and backup
- Sharing and archiving research data
  - Benefits and challenges
  - Data identification and citation
  - Data repositories

Outline Exercises

- Write a data management plan with DMPonline
- Versioning data with GitHub
- Archive data with figshare and PANGAEA

Schedule

09:00 - 09:15	Welcome and Overview	

Part I

09:15 - 09:45	Lecture	Research Data and Data Management Planning
09:45 - 10:15	Exercise	Write a Data Management Plan with DMPonline
10:15 - 10:30	Break	

Part II

10:30 - 11:00	Lecture	Working with Research Data
11:00 - 11:30	Exercise	Versioning Data with GitHub
11:30 - 11:45	Break	

Part III

11:45 - 12:15	Lecture	Sharing and Archiving Research Data
12:15 - 12:45	Exercise	Archive Data with figshare and PANGAEA
12:45 - 13:00	Closing	Final questions and comments