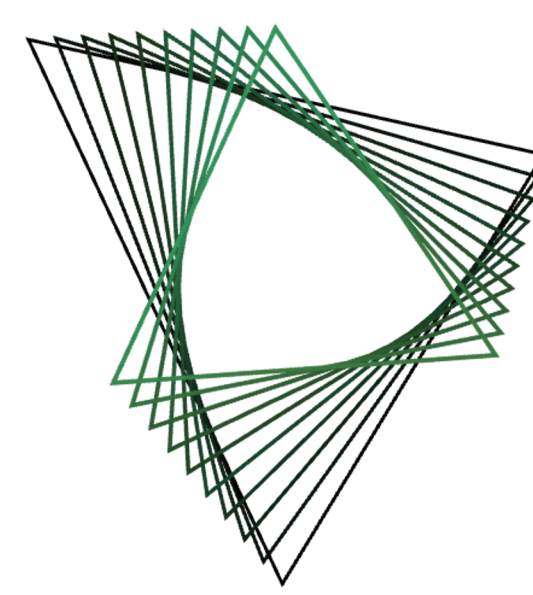# Lessons learned from joining forces across disparate disciplines in the NFDI: The Conference on Research on Text Analytics

BERD @NFDI | **Text+**

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The Joint Conference on Research on Text Analytics

In the National Research Data Infrastructure (NFDI) in Germany, text data serves as a crucial source for analysis in the consortia dealing with humanities research (Text+) and Business, Economic, and Related Data (BERD@NFDI). Despite apparent differences between these consortia, closer examination reveals shared interests in text analytics methods, as well as diverse research questions pursued by scholars in each consortium. Recognizing the commonalities, both BERD@NFDI and Text+ collaborated to organize a conference on text analytics research, while acknowledging the different research questions addressed by the scholars in each consortium.

Lesson 1: Building Common Ground through the Presentation of Research Questions Applying Textual Data

- Research questions using textual data
- Research question based domain description
- Applied methods for
  - Data creation
  - Elicitation
  - Analysis workflows
- Methods
  - (manual) annotation
  - (Automatic) annotation (NLP
- Topics
  - Processing
  - NER
  - Novel questions, e.g. Human and AI generated data

Lesson 2: Similarities in the Consortia in Manual Annotation and Automatic Processing of Textual Data

- Similar tools for
  - Manual data annotation and
  - Automatic data processing.
- Tools
  - AI technologies
    - Machine learning
    - Natural language processing
  - Annotation tools.
- Common methods
  - Measuring annotation quality
  - Approaching deviations from annotations
- Data preparation for
  - Textual and non-textual content from advertisements
  - Used in marketing and linguistic studies using newspaper texts

Lesson 3: Similarities in Research Data Management Functionalities and Processes

- Similar methods for
  - Eliciting
  - Processing
  - Managing research data (repository systems)
  - Data archiving
    - Access
      - Confidentiality concerns
      - Proprietary data
      - Publishing rights
    - Metadata descriptions
    - Metadata exchange
    - Catalog systems: information on data sets and access conditions

Lesson 4: Regular Interconsortial Discussion on Textual Analysis Methods and Data

- Regular platform
- Centering on textual analysis
- Identification of additional topics
- Regular topics (based on research questions)
  - Methods
  - Research questions
  - Analytical techniques
  - Research data management

Joint Conference on Research on Text Analytics

Conclusion and Future Perspective

The collaboration between BERD@NFDI and Text+ in organizing the Joint Conference on Text Analytics provided valuable lessons for interdisciplinary dialogue within the NFDI. This collaboration will be continued.

https://www.berd-nfdi.de/
https://www.text-plus.org