gesis

Leibniz Institute
for the Social Sciences

Documenting Non-Survey Data in the Social Sciences with DDI-Lifecycle

IASSIST2017 – Lawrence, Kansas (USA)
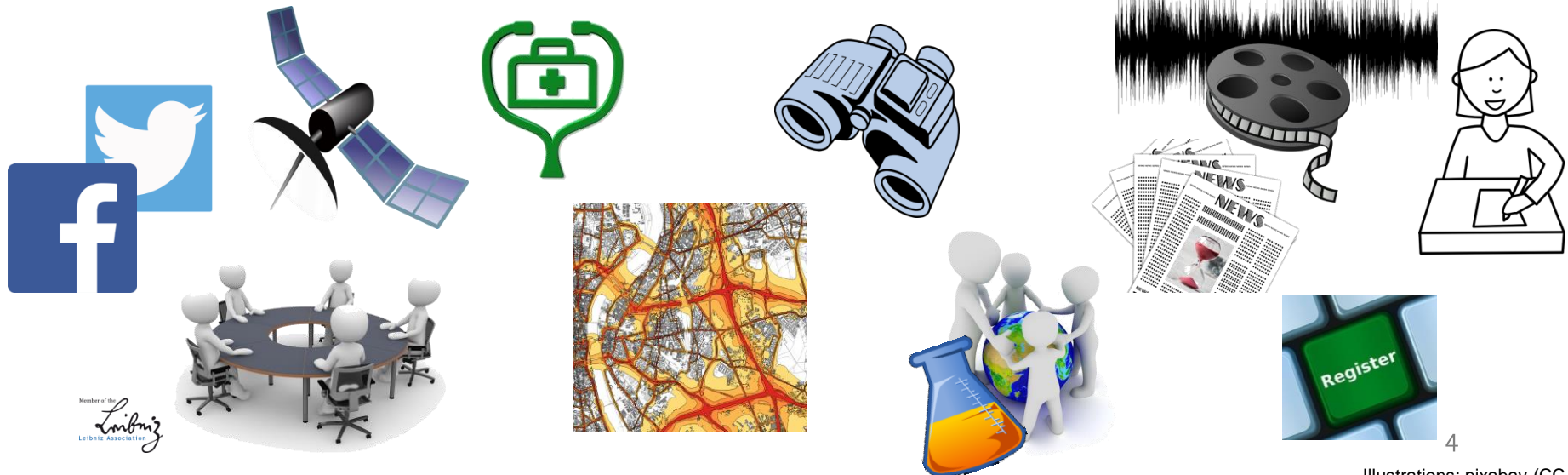*Wolfgang Zenk-Möltgen, Kerrin Borschewski*
25.05.2017

Outline

1) Non-Survey Data

2) Data in datorium

3) Documenting Non-Survey Data

4) Conclusion

1) Non-Survey Data

1a) Non-Survey Data

Survey Research: "the collection of information from a sample of individuals through their responses to questions" (Check & Schutt, 2012, p. 160)

Examples *Non-Survey* Research:

Illustrations: pixabay (CC-0)

1b) Non-Survey Data: Relevance

As substitute or supplement

- Validation

- Enhanced information

- Smaller bias

- Fewer Costs

2) Data in datorium

2a) GESIS datorium

Data repository service for social science and economic science research community

Provides tool for the autonomous documentation, upload and publication of research data

Documentation
&
Upload

Storage
&
Review

Publication

Search
&
Download

https://datorium.gesis.org
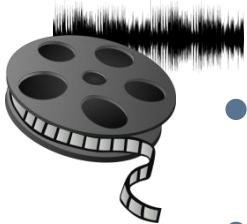
2b) Data in datorium

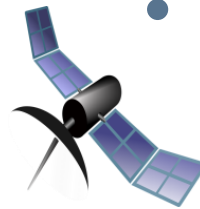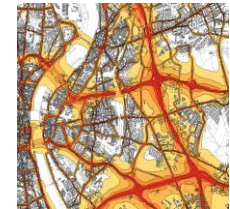Total: 85 studies (effective: May 15, 2017)

41 Survey

44 Non-Survey

2c) Non-Survey Data in datorium

- Content Coding
- Aggregate data
- Recordings
- Compilations
- Observations
- Experimental data

- Content Analysis
- Geodata
- Physical measurements
- Social Media Data
- Transcriptions
- etc.

3) Documenting Non-Survey Data

3a) Information for data reuse

- Context of research
- Information about the data source
- Sampling / data collection information
- Data structure and relations
- Quality measures
- Data versions and changes
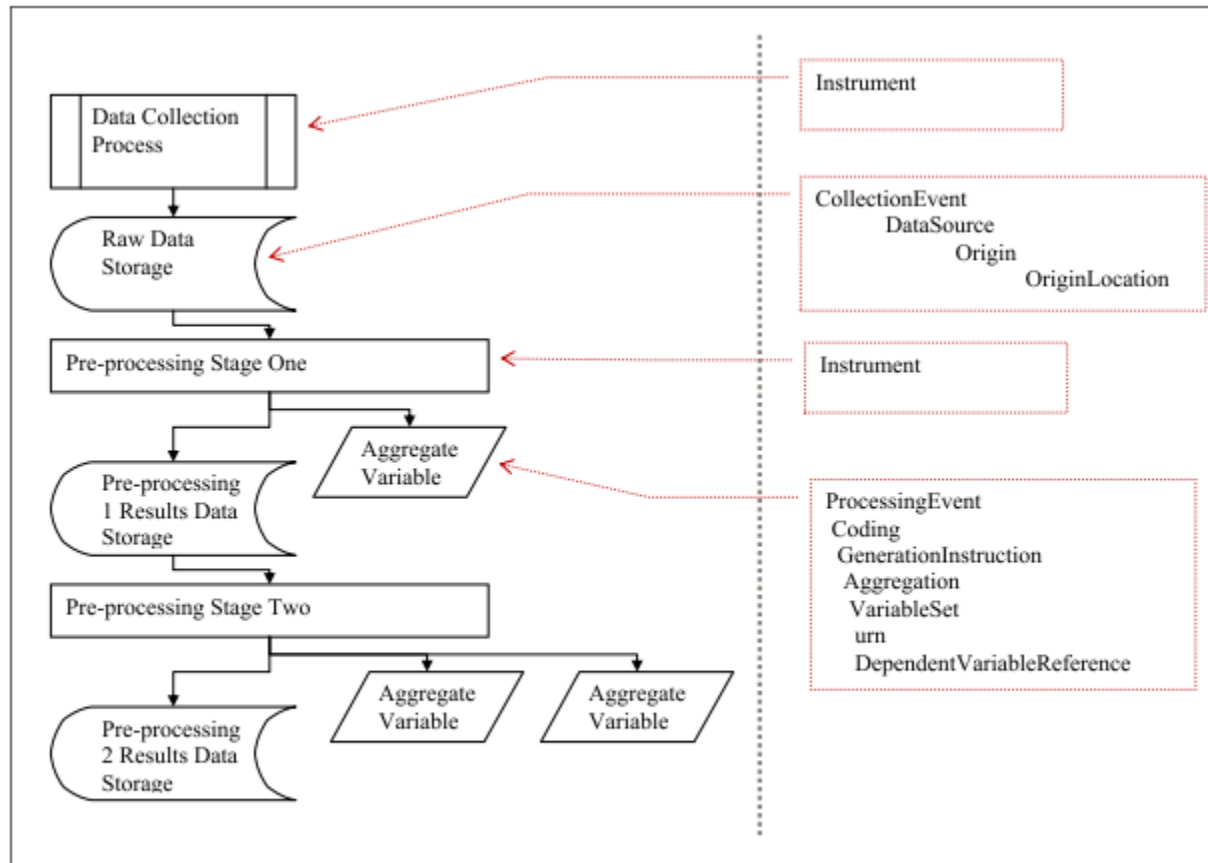- Data access, conditions of use, confidentiality

3b) Non-Survey Data in DDI 3.1

Figure 1: Mapping of non-survey data to DDI elements

3c) Non-Survey Data in DDI 3.2

DDI 3.2

DDI 3.1

CollectionEvent
Date / Frequency/ Source / Collector Organization/ Collection Situation/ Mode of Collection / Minimization Losses etc.

Instrument
Name / Type / Description / BasedOnObject/ External Location etc.

ProcessingEvent
Cleaning, Weighting, Data Appraisal etc.

ProcessingInstructionScheme
GenerationInstructions, GeneralInstructions etc.

Instrument

CollectionEvent
  DataSource
    Origin
      OriginLocation

Instrument

ProcessingEvent
  Coding
  GenerationInstruction
   Aggregation
   VariableSet
   urn
    DependentVariableReference

Source: Block, W., Bilde Andersen, C., et al. 2011 , p. 4

3d) Non-Survey Data in DDI CVs

ModeOfCollection

TypeOfInstrument

KindOfDataFormat

AnalysisUnit

DataSourceType

4) Conclusion

4) Conclusion

- DDI-Lifecycle: good flexibility

- Non-survey data well reflected in DDI-Lifecycle elements and CVs

- Non-survey data becoming more important – need to be monitored

- Machine-actionability needs to be a priority

Thank you for your attention

Cited Literature

Block, W., Bilde Andersen, C., et al. 2011. Documenting a Wider Variety of Data Using the Data Documentation Initiative 3.1. DDI Working Paper. DOI: http://dx.doi.org/10.3886/DDILongitudinal01

Check J., Schutt R. K. Survey research. In: J. Check, R. K. Schutt., editors. *Research methods in education*. Thousand Oaks, CA:: Sage Publications; 2012. pp. 159–185.