

Metadata Management Variables and Datasets

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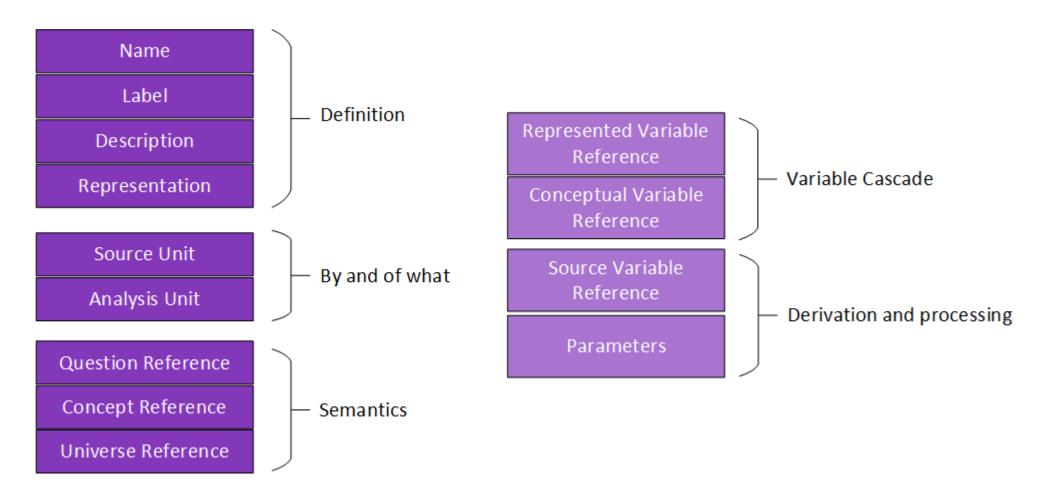


- What is a variable
- Variable organisation
- Datasets





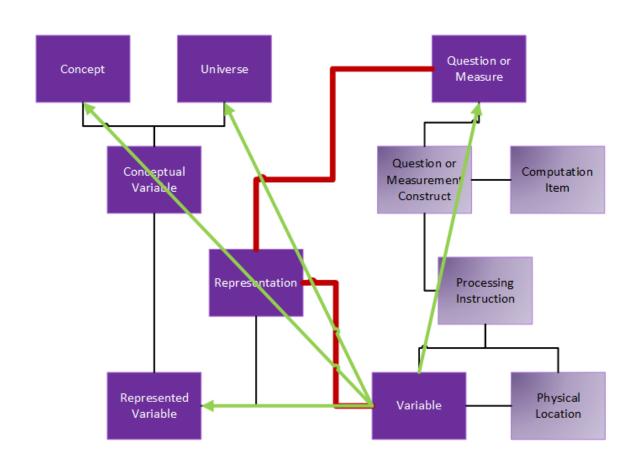
What is a Variable







Variable Relationships

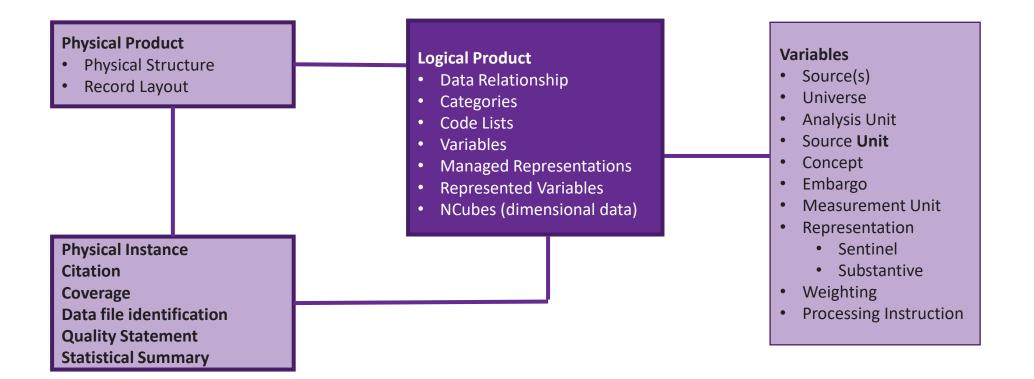


- Variables share
 representation structures
 with questions, e.g. code,
 numeric, strings, scales (not
 the same response domains)
- It inherits the concept and universe through the variable cascade. If the variable is 'created' from a question or measure – these will be identical.



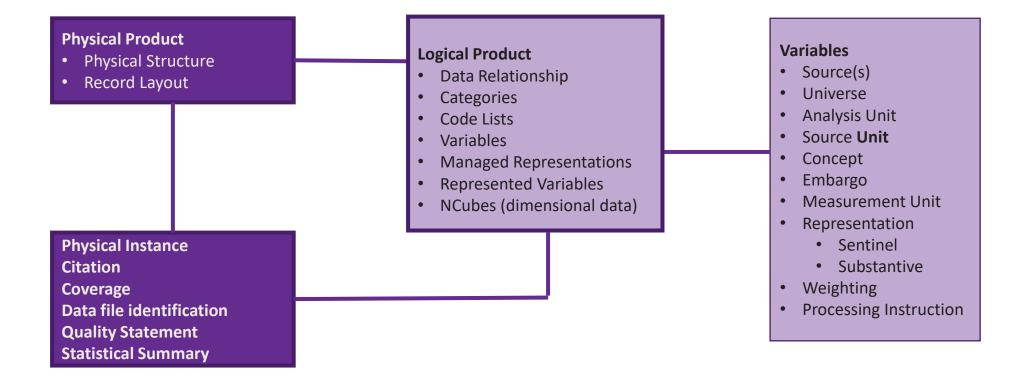


Variable organisation





The data itself





Why is it so complex?

- Historically, data has been organized and formatted in many different ways
 - With multiple formats of the same data
 - Large numbers of files with identical structures/record layouts
- This implies a lot of potential reuse
- DDI provides a single, flexible way for describing a large variety of complex data files
- Typically, these constructs are created by automated tools from existing proprietary formats (SAS, SPSS, etc.)
- You do not need to master this complexity in many cases





Benefits

- Flexible reorganisation of data that is format agnostic
- Standardised machine actionable metadata that is software independent
- Allows you to perform automated analysis, processing and/or transformation
- Attaches semantics to the data which could support 'intelligent' discovery and processing

