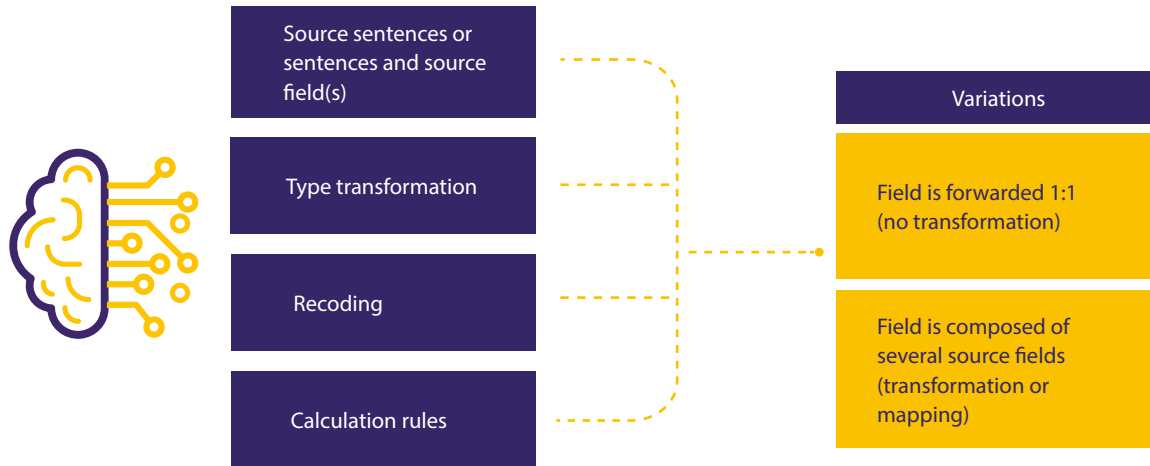


Data Lineage

End-to-end documentation of the origin of data including all steps of the processing and transformation chain, respectively including all field and sentence transformation rules. The documentation contains the following information for each step and field:



A Data Lineage can have following purposes:



Support during error detection, e.g. detection of origin of incorrect data (backtracking)



Support in the care of the Data Warehouse, e.g. detection of potential effects during adding of a new field specification (forward tracking)



Coverage of regulatory requirements (completeness of documentation, support during checks)

Essentially Data Lineage is relevant for risk data and transaction data

Regulatory basics:

- » BCBS239: The supervisory authorities expect a documentation and comments from banks of all automated and manual processes of the risk aggregation, that creates an end-to-end documentation of the used data.
- » With transaction-based messages, e.g. EMIR, there is a necessity to document them end-to-end, in order to find errors in the reported data and therefore the error source more easily.

For the documentation of the Data Lineage different tools can be used:

- » Documentation of fields and charts with predecessor and successor field and mapping rules
- » Documentation of the graphic lineage with a separate documentation of the mapping rules



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