Completeness

Definitions

- Completeness of data values is the degree to which all required data values are present.
- Completeness of data elements is the degree to which all required data elements in the dataset are present.
- Completeness of data records is the degree to which all required data records in the dataset are present.
- Completeness of data files is the degree to which all required data files in a dataset are present.
- Completeness of metadata is the degree to which metadata is fully described.

Note

Missing values is a term used to indicate that data values are not complete.

Relations

Completeness	is a characteristic of	data values
Completeness	is a characteristic of	data elements
Completeness	is a characteristic of	data records
Completeness	is a characteristic of	data files
Completeness	is a characteristic of	metadata

Examples

Incomplete data value

Name	Email
Johnson	

E-mail is missing value for Johnson.

Incomplete data element

Surname	City
Williams	Paris

First name is missing as data element.

Incomplete data records

Surname	City
Hank Williams	Paris

Steve Kerr is missing in this file.

Incomplete data files

A reference file for all cities in UK is missing.

Incomplete metadata

Data element	Data type	Definition
Name	Character	

Definition of data element 'Name' is missing.

Reference(s)

DAMA NL (2020). Dimensions of Data Quality (DDQ). Research paper. https://www.dama-nl.org/wp-content/uploads/2020/09/DDQ-Dimensions-of-Data-Quality-Research-Paper-version-1.2-d.d.-3-Sept-2020.pdf

All, DataQualityDimension

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