

Completeness

Definitions

- Completeness of [data values](#) is the degree to which all required [data values](#) are present.

Furthermore

- 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](#), [data elements](#), [data records](#), [data files](#) and [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 record

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>

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