

# 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

First name is missing as data element.

## 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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