

# Accuracy

## Definition

Accuracy of a data value is the degree of closeness of [data values](#) to [real values](#).

## Relation

|          |                                          |                                        |
|----------|------------------------------------------|----------------------------------------|
| Accuracy | is a <a href="#">characteristic</a> of a | <a href="#">data value</a>             |
| Accuracy | is an instance of                        | <a href="#">data quality dimension</a> |

## Note

Accuracy can be determined, by comparing data in your database with a real-world measurement. For example, you could call a customer and ask if his email address is still john@mail.com. If you draw a sample from your database, you can make statements about the accuracy of all the data in the database.

## Examples

### Wrong name

| Name   |
|--------|
| Jansen |

The name should be written as Janssen with double 's'.

### Old adress

| Employee name | Place of living |
|---------------|-----------------|
| John Steward  | Washington      |

John has moved meanwhile to New York.

### Wrong unit of measure

| Product name  | Weight in gram |
|---------------|----------------|
| Pack of suger | 1              |

Weight should be 1000 (gram) instead of 1 (kilogram).

## 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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