

# Accuracy

## Definition

Accuracy of a data value is the degree of closeness of **data values** to **real values**.

## Relation

Accuracy	is a characteristic of a	data value
Accuracy	is an instance of a	data quality dimension

## 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 address

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 sugar	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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