

# Data Quality Dimensions

A Data Quality Dimension is an aspect or feature of information and a way to classify information and data quality needs. Dimensions are used to define, measure, and manage the quality of the

data and information. This table contains a quick reference list of the 12 data quality dimensions used in The Ten Steps process.

- Data Quality Dimensions

No.	DIMENSION	DEFINITION
1	Data Specifications	A measure of the existence, completeness, quality, and documentation of data standards, data models, business rules, metadata, and reference data
2	Data Integrity Fundamentals	A measure of the existence, validity, structure, content, and other basic characteristics of the data
3	Duplication	A measure of unwanted duplication existing within or across systems for a particular field, record, or data set
4	Accuracy	A measure of the correctness of the content of the data (which requires an authoritative source of reference to be identified and accessible)
5	Consistency and Synchronization	A measure of the equivalence of information stored or used in various data stores, applications, and systems, and the processes for making data equivalent
6	Timeliness and Availability	A measure of the degree to which data are current and available for use as specified and in the time frame in which they are expected
7	Ease of Use and Maintainability	A measure of the degree to which data can be accessed and used and the degree to which data can be updated, maintained, and managed
8	Data Coverage	A measure of the availability and comprehensiveness of data compared to the total data universe or population of interest
9	Presentation Quality	A measure of how information is presented to and collected from those who utilize it. Format and appearance support appropriate use of information.
10	Perception, Relevance, and Trust	A measure of the perception of and confidence in the quality of the data; the importance, value, and relevance of the data to business needs
11	Data Decay	A measure of the rate of negative change to the data
12	Transactability	A measure of the degree to which data will produce the desired business transaction or outcome