

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 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 |
| 13 | Security and Privacy | A measure of the ability to protect the data and information assets from unauthorized access, use, disclosure, disruption, modification, or destruction |
| 14 | Other Relevant Dimensions | Other aspects or features of data and information that are important for your organization to define, measure, and manage |