
DATA QUALITY

The GITS Methodology



UNDERSTANDING DATA QUALITY

During our continuing process for striving to achieve excellence, Data Quality has become an increasingly important presence in our environments. Understanding and managing Data Quality requires an understanding the importance of information contained within the language used in a given environment.

Two of the areas associated with understanding Data Quality have to do with areas known as *Qualitative* and *Quantitative Analysis*.

QUALITATIVE ANALYSIS

Qualitative Analysis yields subjective opinions about the fitness associated with data. Comments, such as 'Useful and fit for business usage ' is an example of a qualitative assessment about the quality of data.

QUANTITATIVE ANALYSIS

From a quantitative perspective, if there are two perspectives that should be entertained the managing Data Quality – **Quality Control** and **Quality Assurance**.

Quality Control involves the specification of the degree of severity associated with information that does not conform to acceptance criterion. Examples of some of the criteria that can be specified and agreed are as follows:

- **Threshold Violations:** these conditions occur when data falls outside of the anticipated boundaries associated with a given values set.
- **Missing Values:** when values are expected and not received from a given data source, specific steps should be taken to address these situations.
- **Timing Issues:** When information has not received in a timely fashion, the degree of fitness of the information due to the degree of completeness must be determined.

Quality Assurance specifies the methods used to manage the issues associated to Data Quality. Specific steps (e.g., tagging data, removing data or preventing import of unacceptable data streams, specifying whether default values should be provided or whether Nulls can be allowed, etc.) should be defined for protecting our data assets.

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Contact your Global IT Solutions Representative for scalable, cost-effective techniques for managing and implementing Data Quality. *Free Initial Consultations*

Website: www.globalitsolutionscorp.com

