



5 steps for better data quality management

Best practice in Data Quality Management

MANAGING DATA QUALITY

Systems and data migration initiatives rely on high confidence, structured and cleansed data. Business intelligence & data warehouse projects are based on integrated data with high integrity and validity. The Business benefits on your systems investment can be jeopardised by poor quality or unmanaged data quality processes.

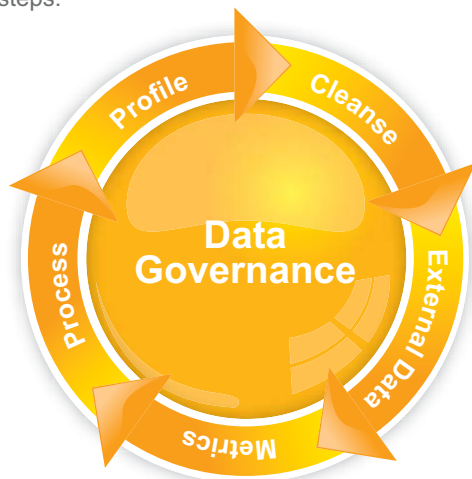
What can be done to improve the quality of the data in the organisation?

Most organisations embark on a data quality project.

BEST PRACTICE

The best practice in data quality projects in the industry involves implementing a data quality tool and refine processes under a data governance programme.

5 iterative steps, operate under a data governance framework. Highlighted below are how other organisation implemented the five steps.



1. Use profile tools to investigate data quality issues

With the aid of a profiling tool, investigate content, by inspecting the ranges, domain values, patterns, and relationships between different key columns.

2. Implement a data cleansing application to improve quality

Use specialised software that parse and restructure your data into common format, match and consolidate records using intelligent business rules. The best practice tools allow you to specify the degree of confidence on match and consolidation, expand and tailor business rules specific to your environment.

3. Use external reference

Best practice data quality projects identify and implement externally sourced data as an enhancement to increase or repair content of internal data.

4. Build Dashboard to visualise business issues

Use dashboard to present current data issues. Visualise issues with traffic lights, dials & graphs. Set up data quality metrics, targets; measure and track improvement with Dashboards.

5. Refine process and real time data quality control

Investigate process or systemic cause of data quality issues, identify changes or alignment of processes. Review life cycle of data to eliminate duplicates, conflicts and ensure a clear line of control. Implement on-line data cleansing, to provide real-time control of data quality at the point of data creation.