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#### **Managing Data Quality Rules**

- Data Quality rules should be documented consistently, tied to business impact, backed by data analysis, and accessible to all data consumers.
- Clear documentation ensures that rules can be implemented and monitored effectively.

**Reference:** Data Quality rules should align with organizational goals and be easily understood by all stakeholders.



#### **Data Quality Dimension**

- A Data Quality Dimension is a measurable feature or characteristic of data.
- Examples include accuracy, timeliness, completeness, and consistency.

**Reference:** Data dimensions help evaluate and monitor the quality of data in a structured way.



#### **Data Quality Management Cycle**

- > The four stages of the Data Quality Management cycle are:
- Plan, Monitor, Act, and Deploy.
- "Improve" focuses on refining processes to address identified issues.

**Reference:** Continuous improvement ensures sustained Data Quality over time.



## Non-Deliverable of Data Quality Management

- > **Data attribute definitions** are **not** a primary deliverable of Data Quality Management.
- Primary deliverables include Data Quality strategies, frameworks, and reports.

**Reference:** Attribute definitions are part of data modeling, not Data Quality deliverables.



## Non-Stage in the Data Quality Management Cycle

- > Intervene is not a stage in the Data Quality Management cycle.
- The correct stages are Plan, Check, Act, and Do.

**Reference:** The Shewhart-Deming cycle guides the improvement lifecycle for Data Quality.



## Non-Typical Activity in Data Quality Management

- ➤ Enterprise Data Modeling is not a typical activity in Data Quality Management.
- Typical activities include defining business rules, analyzing data, and identifying issues.

**Reference:** Data modeling is part of database design, separate from Data Quality processes.



#### **Shewhart-Deming Cycle**

- > The stages of the Shewhart-Deming Cycle are:
- Plan, Do, Check, Act.
- "Investigate" is not a stage.

**Reference:** This cycle is foundational for continuous improvement in Data Quality.



#### True Statement About Data Quality Management

- > Data Quality Management is a continuous process.
- It involves ongoing monitoring, measurement, and improvement to maintain high-quality data.

**Reference:** Continuous processes ensure long-term Data Quality sustainability.



#### **Goal of Collecting Business Rules**

- > The goal of collecting and documenting business rules is to identify the requirements for Data Quality.
- Clear rules ensure data meets organizational needs and compliance standards.

**Reference:** Business rules guide the creation and monitoring of Data Quality processes.



#### **Defining Data Quality Indicators**

- > Data Quality indicators should have Measurability, Relevance, and Acceptability.
- Indicators must be actionable and tied to organizational objectives.

**Reference:** Well-defined indicators enable effective Data Quality monitoring.



#### **Business Relevance in Data Quality Metrics**

- > The value of a metric is limited unless it can be linked to some aspect of a business.
- Business relevance ensures that metrics are meaningful and actionable for stakeholders.

**Reference:** Aligning Data Quality metrics with business goals improves their utility and impact.



#### Top-Down and Bottom-Up Analysis

- > These methods work well together because they balance business relevance and the actual state of the data.
- Top-down aligns with organizational goals, while bottom-up reveals the current state of data.

**Reference:** Combining both approaches provides a holistic view of Data Quality.



#### Non-Role of Data Quality Oversight Board

- ➤ Data Profiling and Analysis is not an expected role of a Data Quality Oversight Board.
- Their role includes setting priorities, establishing feedback mechanisms, and ensuring compliance.

**Reference:** Oversight boards focus on governance, not operational activities.



## **Non-Dimension of Data Quality**

- Relevance is not a dimension of Data Quality according to DMBoK.
- Valid dimensions include Timeliness, Completeness, Currency, and Reasonableness.

**Reference:** Data Quality dimensions provide structured criteria for evaluation.



#### Purpose of a Data Lineage Tool

- > A data lineage tool helps track historical changes to a dataset.
- It shows how data moves and transforms across systems.

**Reference:** Data lineage ensures transparency and traceability in data processes.



#### Non-Feature of Data Quality Improvement Tools

- > **Data Modeling** is **not** usually a feature of Data Quality improvement tools.
- Features typically include profiling, parsing, transformation, and standardization.

**Reference:** Data Quality tools focus on improving existing data rather than designing schemas.



#### **Data Quality SLA**

- A Data Quality SLA includes roles and responsibilities for Data Quality.
- SLAs define accountability and service expectations for maintaining data standards.

Reference: SLAs are formal agreements to maintain Data Quality.



#### **Data Quality Measurement Granularity**

- Measurements can be taken at data element value, data instance or record, and data set levels.
- These levels provide detailed, intermediate, and high-level assessments of Data Quality.

**Reference:** Granularity ensures comprehensive Data Quality evaluation.



## Data Quality Program vs. Project

- Data Quality Management is a program because it involves project and maintenance work along with communications and training.
- Programs address long-term goals and continuous improvement.

**Reference:** Data Quality programs sustain ongoing processes beyond project lifecycles.



#### Responsibility for Identifying Data Defects

- > Any employee should identify and report data defects.
- Data Quality is everyone's responsibility, not just IT or compliance teams.

**Reference:** Involving all employees promotes a culture of Data Quality awareness.



#### **Manual Directed Data Quality Correction**

- Manual directed correction involves using automated cleanse and correction tools with results manually checked before committing outputs.
- This ensures that corrections are accurate and reviewed. **Reference:** Combining automation with manual checks improves Data Quality outcomes.



# Key Process in Defining Data Quality Business Rules

- The key process is separating data that does not meet business needs from data that does.
- This ensures that only high-quality data is used for business operations.

**Reference:** Defining business rules helps enforce standards for acceptable data.



#### **Non-Goal of Data Quality**

- The delivery of a Data Quality Strategy and framework is not a goal.
- Goals focus on defining, measuring, and maintaining Data Quality standards.

Reference: Advocacy is a direct goal of Data Quality Management.



#### **Definition of a Root Cause**

- A root cause is a factor, that if eliminated, removes the problem itself.
- Root cause analysis identifies the fundamental issue behind defects.

**Reference:** Addressing root causes prevents recurring Data Quality problems.



#### **Example of Consistency in Data Quality**

- All the records in the CRM have been accounted for in the data warehouse.
- Consistency ensures data is uniform and reconciled across systems.

**Reference:** Consistent data aligns with expectations across datasets.



### **Purpose of Referential Integrity**

- > Referential integrity ensures data validity.
- It enforces relationships between data, such as foreign key constraints in relational databases.

**Reference:** Referential integrity prevents orphaned or mismatched data entries.



#### **Shewhart-Deming Cycle Sequence**

- > The sequence is Plan, Do, Check, Act.
- This cycle underpins continuous improvement processes in Data Quality.

**Reference:** The PDCA model is widely used for iterative improvement efforts.





