Data Testing Rules Cheat Sheet

Data Testing Rules

Unlock superior business results by harnessing reliable data. In today's landscape, data plays a pivotal role in steering purposeful business choices. Establishing an end-to-end, automated, and seamlessly integrated data testing process is paramount. Delve deeper into the critical testing phases encompassing Vital Checks, Reconciliations, and Report Testing to gain comprehensive insights into each stage of data evaluation.

Vital Checks

Source Data vs. Target Data
Test if the ETL Process has loaded the data correctly from source to target.

ETL Transformation
Test if the ETL process has transformed the data correctly.

Business Rules Validation
Validate if the data is following the business rules.

Referential Integrity
Audit if the factual data and reference data reconciles.

Business Validation
Audit if the data between two business areas is consistent and reconciles correctly.

Reconciliations

Source Data Reconciliation
Test if the data in the source file is valid, formatted, and exists.

Data Migration Reconciliation
Reconcile the data between old/legacy systems and new systems.

Physical Schema Reconciliation
Verify the physical schema matches between two systems.

Cross Source Reconciliation
Audit if the data between two different source systems is the same.

Report Testing

BI Report Rules Testing
Validate the data displayed on BI dashboard is correct based on the business or technical rules.
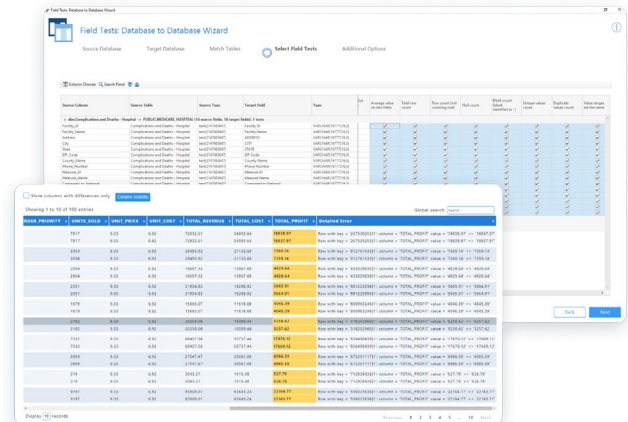
BI Report Accuracy Testing
Audit if the data between the BI dashboard is reconciling with a database or file.

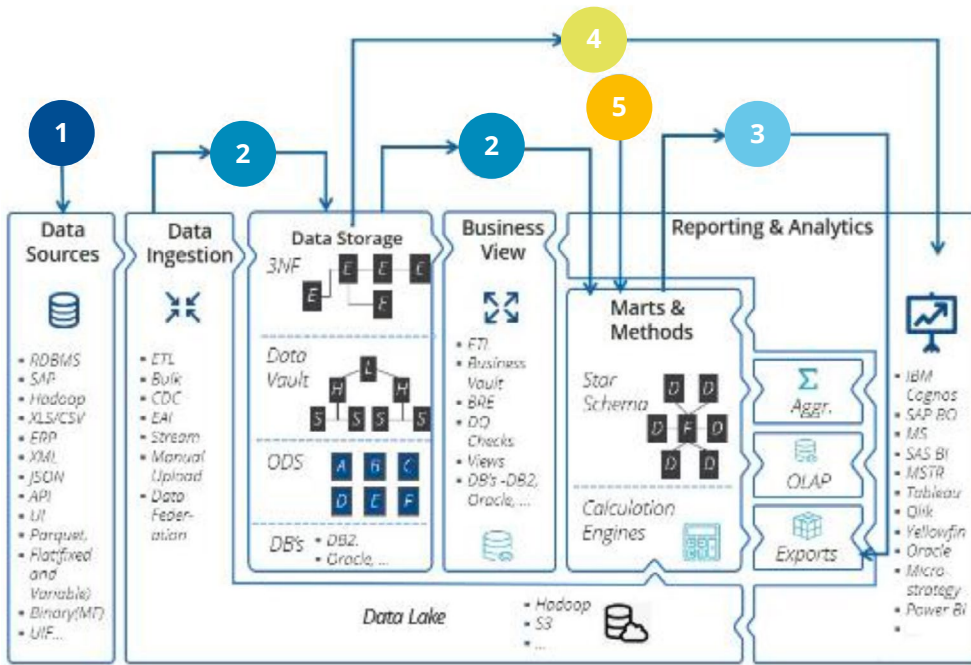**BI Report Consistency Testing**
Audit if the BI dashboard generated in two different environments is the same.

How Does Tricentis Data Integrity Apply to Data Testing Rules

Tricentis Data Integrity is a one-of-a-kind data testing tool that's end-to-end, automated, and integrated into your existing ecosystem. Our end-to-end automation covers everything from the integrity of the data fed into your system, to the accuracy of integrations, transformations, and migrations, to the verification of report logic and presentation.

Tosca Data Integrity - Tests

1 Pre-Screening

- Metadata Checks
- Format Checks

2 Vital Checks & Field Tests

- Completeness: Row Count, Min/Max, Avg, Sum Checks
- Correctness: Uniqueness, not null, Hash-Comparisons, Doto Ranges
- Integrity: Relation, Domain

3 Reconciliation

- Row by row comparison
- Comparison of two data sets

4 Report Testing

- UI Automation
- Visual checks
- Content check for dimensions
- Security

5 Monitoring

- Track row counts
- Job run times
- Data distribution per column over time

Want to Learn More about Tricentis Data Integrity?

Request a Demo

Check out the Product Tour