

# Recomart Data Quality Report

Generated: 2026-01-25 03:54:09

## Executive Summary

Dataset	Rows	Missing (Total)	Duplicates	GE Status
product_catalog	549	0	0	Disabled
raw_customers	30	0	0	Disabled
external_metadata	549	0	N/A	Disabled
transactions	924	0	175	Disabled
clickstream	7694	1947	N/A	Disabled

## Dataset Details: product\_catalog

### Schema & Missing Values

Check	Result
Missing Values	None detected

### Data Quality Rules

Column	Check Type	Status	Details
base_price	range	PASS	-
discount_percent	range	PASS	-
avg_rating	range	PASS	-
return_rate_percent	range	PASS	-
profit_margin_percent	range	PASS	-
shelf_life_days	range	PASS	-
is_perishable	categorical	PASS	-
launch_date	date_format	PASS	-

## Dataset Details: raw\_customers

### Schema & Missing Values

Check	Result
Missing Values	None detected

### Data Quality Rules

Column	Check Type	Status	Details
age	range	PASS	-

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Column	Check Type	Status	Details
gender	categorical	PASS	-

## Dataset Details: external\_metadata

### Schema & Missing Values

Check	Result
Missing Values	None detected

### Data Quality Rules

Column	Check Type	Status	Details
sentiment_score	range	PASS	-
popularity_index	range	PASS	-
last_updated	date_format	PASS	-

## Dataset Details: transactions

### Schema & Missing Values

Check	Result
Missing Values	None detected

### Data Quality Rules

Column	Check Type	Status	Details
quantity	range	PASS	-
txn_date	date_format	PASS	-

## Dataset Details: clickstream

### Schema & Missing Values

Check	Result
Schema Warning	Extra columns: season, day_of_week, hour_of_day, is_trending, dwell_time
Column: dwell_time	Missing Count: 1947

### Data Quality Rules

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Column	Check Type	Status	Details
event_strength	range	PASS	-
event_type	categorical	PASS	-
device	categorical	PASS	-

## Cross-Dataset Integrity

Relationship Check	Status	Details
txn_customer_fk	PASS	All references valid
txn_product_fk_catalog	FAIL	240 orphan references found
meta_product_fk	PASS	All references valid