Data Quality Report

timestamp: 2026-01-22T21:17:02.031678

dataset_info:

  rows: 9791

  columns: 10

  memory_usage_mb: 0.63

schema:

  has_required_columns: True

  missing_columns: []

  extra_columns: ['day', 'is_weekend', 'month', 'hour', 'year', 'dayofweek']

  total_columns: 10

missing_values:

  total_missing: 0

  columns_with_missing: {}

  missing_percentages: {}

  rows_with_any_missing: 0

duplicates:

  total_duplicates: 0

  duplicate_percentage: 0.0

  unique_rows: 9791

rating_range:

  column: rating

  expected_range: [1, 5]

  actual_min: 1.0

  actual_max: 5.0

  out_of_range_count: 0

out_of_range_percentage: 0.0

data_types:

  type_mismatches: {}

  all_types_correct: True

statistics:

  unique_users: 1000

  unique_items: 500

  avg_rating: 2.9753855581656623

  rating_std: 1.4141799010721072

quality_score: 100.0