Data Quality Report

timestamp: 2026-01-22T22:12:31.784032

dataset_info:

  rows: 9832

  columns: 11

  memory_usage_mb: 0.94

schema:

  has_required_columns: True

  missing_columns: []

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

  total_columns: 11

missing_values:

  total_missing: 0

  columns_with_missing: {}

  missing_percentages: {}

  rows_with_any_missing: 9791

duplicates:

  total_duplicates: 0

  duplicate_percentage: 0.0

  unique_rows: 9832

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: 2.9748779495524817

  rating_std: 1.4148174287094963

quality_score: 100.0