Quality Report (yellow_tripdata_2020-01.csv)

ISSUES:

- **VendorID** – the field has invalid value '5' (allowed 1-2)
- **tpep_pickup_datetime / tpep_dropoff_datetime** – has invalid data timeframe (2003, 2008, 2009, 2019, 2020-03..)
- **passenger_count** – has empty fields or zero value, *int* could be more suitable field type rather than *real*
- **trip_distance** – has negative values and extreme value '210240.07'
- **RatecodeID** – missing values, has invalid value 99 (allowed 1-6)
- **store_and_fwd_flag** - missing values
- **payment_type** - has zero value (allowed 1-6)
- **fare_amount** - has negative values
- **extra** - has negative values
- **mta_tax** - has negative values
- **tip_amount** - has negative values
- **tolls_amount** - has negative and extreme values
- **improvement_surcharge** - has negative values
- **total_amount** - has negative or zero value
- **congestion_surcharge** – missing or negative values
- **airport_fee** – no values found in this field

SUMMARY:

- Constraints passing: 62
- Constraints failing: 14

FIELDS:

VendorID:
1 failure 4 passes
type ✓ min ✓ max ✗ sign ✓ max_nulls ✓

tpep_pickup_datetime:
0 failures 4 passes
type ✓ min_length ✓ max_length ✓ max_nulls ✓

tpep_dropoff_datetime:
0 failures 4 passes
type ✓ min_length ✓ max_length ✓ max_nulls ✓

passenger_count:
1 failure 3 passes
type ✓ min ✓ max ✓ max_nulls ✗

trip_distance:
1 failure 3 passes
type ✓ min ✗ max ✓ max_nulls ✓

RatecodeID:
2 failures 2 passes
type ✓ min ✓ max ✗ max_nulls ✗

store_and_fwd_flag:
0 failures 4 passes
type ✓ min_length ✓ max_length ✓ allowed_values ✓

PULocationID:
0 failures 5 passes
type ✓ min ✓ max ✓ sign ✓ max_nulls ✓

DOLocationID:
0 failures 5 passes
type ✓ min ✓ max ✓ sign ✓ max_nulls ✓

payment_type:
1 failure 4 passes
type ✓ min ✗ max ✓ sign ✓ max_nulls ✓

fare_amount:
1 failure 3 passes
type ✓ min ✗ max ✓ max_nulls ✓

extra:
1 failure 3 passes
type ✓ min ✗ max ✓ max_nulls ✓

mta_tax:
1 failure 3 passes
type ✓ min ✗ max ✓ max_nulls ✓

tip_amount:
1 failure 3 passes
type ✓ min ✗ max ✓ max_nulls ✓

tolls_amount:
1 failure 3 passes
type ✓ min ✗ max ✓ max_nulls ✓

improvement_surcharge:
1 failure 2 passes
type ✓ min ✗ max ✓

total_amount:
1 failure 3 passes
type ✓ min ✗ max ✓ max_nulls ✓

congestion_surcharge:
1 failure 2 passes
type ✓ min ✗ max ✓

airport_fee:
0 failures 2 passes
 type ✓ min ✓