Data Quality Report: Credit Card Payment

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Clean data

Statistics & Distributions

rec_num

• Interpretation: Unique ID for each record in the data set.

• Type: ID

• Unique Values: 95,484

• Missing Values: 0 (0.00%)

• Mean: NA

• Standard Deviation: NA

• Distribution: NA

${\tt card_num}$

• Interpretation: Credit card number of credit card holder.

• Type: ID

• Unique Values: 1,638

• Missing Values: 0 (0.00%)

• Mean: NA

• Standard Deviation: NA

• Distribution: NA

date

• Interpretation: Transaction date

• Type: Date

• Unique Values: 365

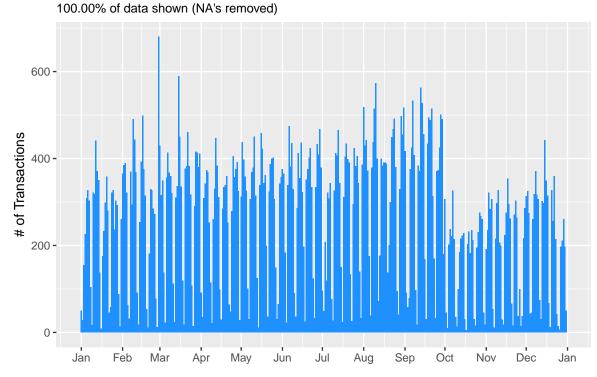
• Missing Values: 0 (0.00%)

• Mean: NA

• Standard Deviation: NA

• Distribution:

Distribution of date



merch_num

• Interpretation: Merchant ID

• Type: ID

• Unique Values: 13,091

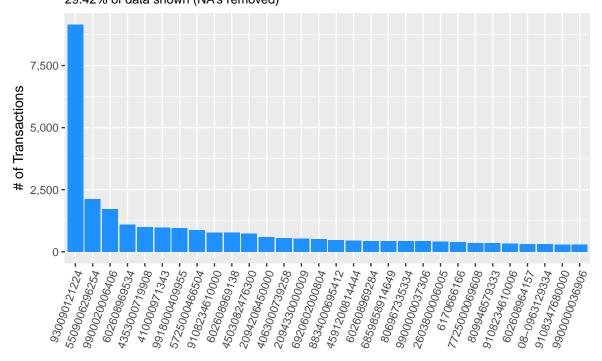
• Missing Values: 3,351 (3.51%)

• Mean: NA

• Standard Deviation: NA

• Distribution:

Distribution of merch_num: Top 30 29.42% of data shown (NA's removed)



merch_desc

• Interpretation: Merchant description

• Type: ID

• Unique Values: 13,125

• Missing Values: 0 (0.00%)

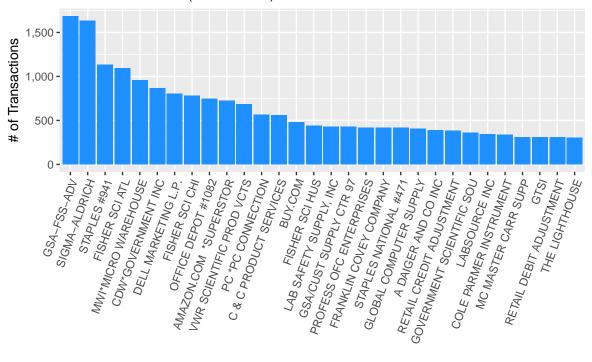
• Mean: NA

• Standard Deviation: NA

• Distribution:

Distribution of merch_desc: Top 30

19.61% of data shown (NA's removed)

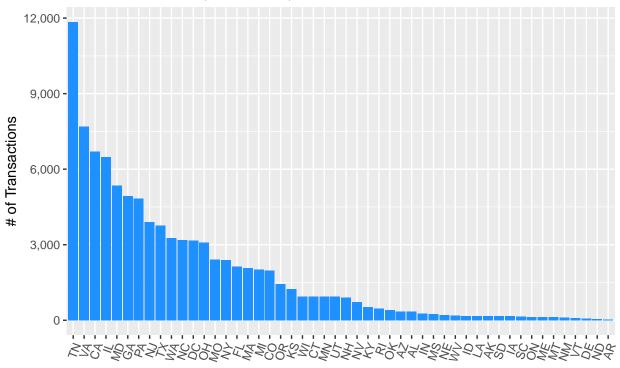


merch_state

- Interpretation: Merchant state
- Type: Categorical
- Unique Values: 228
- Missing Values: 1,191 (1.25%)
- Mean: NA
- Standard Deviation: NA
- Distribution:

Distribution of merch_state: Top 50

98.47% of data shown (NA's removed)



merch_zip

• Interpretation: Merchant zipcode

• Type: Categorical

• Unique Values: 4,568

• Missing Values: 4,639 (4.86%)

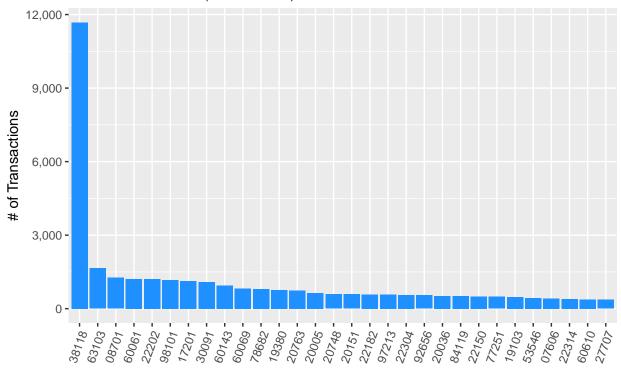
• Mean: NA

• Standard Deviation: NA

• Distribution:

Distribution of merch_zip: Top 30

34.61% of data shown (NA's removed)

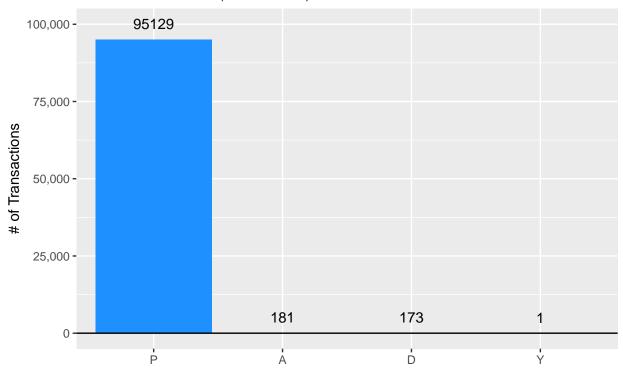


trans_type

- Interpretation: Transaction type
- Type: Categorical
- Unique Values: 4
- Missing Values: 0 (0.00%)
- Mean: NA
- Standard Deviation: NA
- Distribution:

Distribution of trans_type

100.00% of data shown (NA's removed)

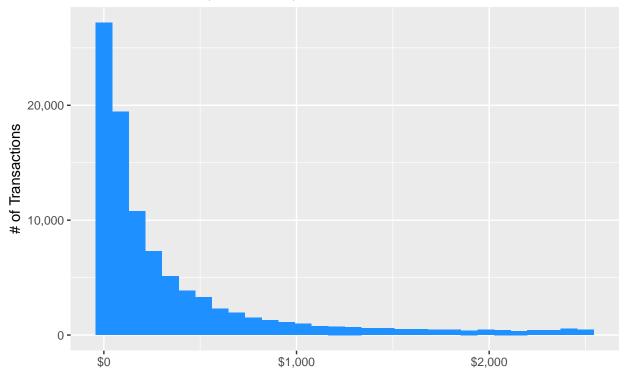


amount

- Interpretation: Transaction amount in US dollars (\$)
- Type: Numeric
- Unique Values: 34,190
- Missing Values: 0 (0.00%)
- Mean: \$414.38
- Standard Deviation: \$10,066.23
- **Min:** \$0.01
- **Max:** \$3,102,045.53
- Distribution:

Distribution of amount

99.30% of data shown (NA's removed)



fraud

- Type: Categorical
- Unique Values: 2
- Missing Values: 0 (0.00%)
- Mean: NA
- Standard Deviation: NA
- Distribution:

Distribution of fraud 100.00% of data shown (NA's removed)

