1. Data overview

The dataset contains 10 fields and 96753 records of card transaction data. Every record contains transaction information, merchant's information, and a fraud label. The fraud label represents whether a transaction is a fraud one or not.

2. Index

Column "Recnum" represents the index of this dataset. It value ranges from 1 to 96753.

3. Information of each fields

a) Summary information of each fields

Field	#Values	%Polulated	#Unique	Most common value
Recnum	96753	100%	96753	2047
Cardnum	96753	100%	1645	5142148452
Date	96753	100%	365	2010/2/28 0:00
Merchnum	93378	96.30%	13092	930090121224
erch descript	96753	100%	13126	GSA-FSS-ADV
Merch state	95558	98.70%	228	TN
Merch zip	92097	94.90%	4568	38118
Transtype	96753	100%	4	P
Amount	96753	100%	34909	3.62
Fraud	96753	100%	2	0

b) Field information

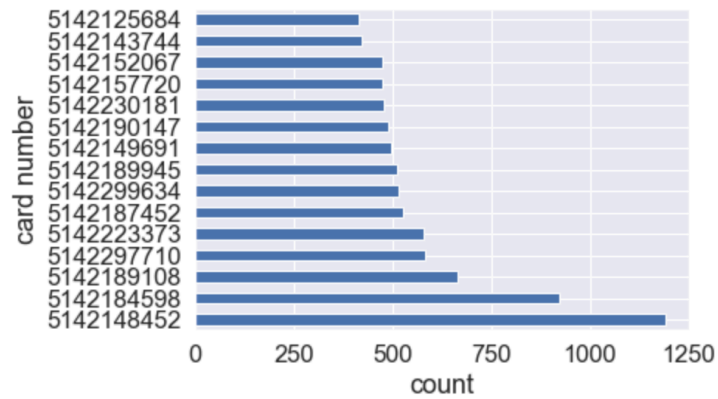### i. Field1: Recnum

Recnum number is a unique id of an transaction. It's the index of the dataset.

Type: Categorical

ii. Field2: Cardnum

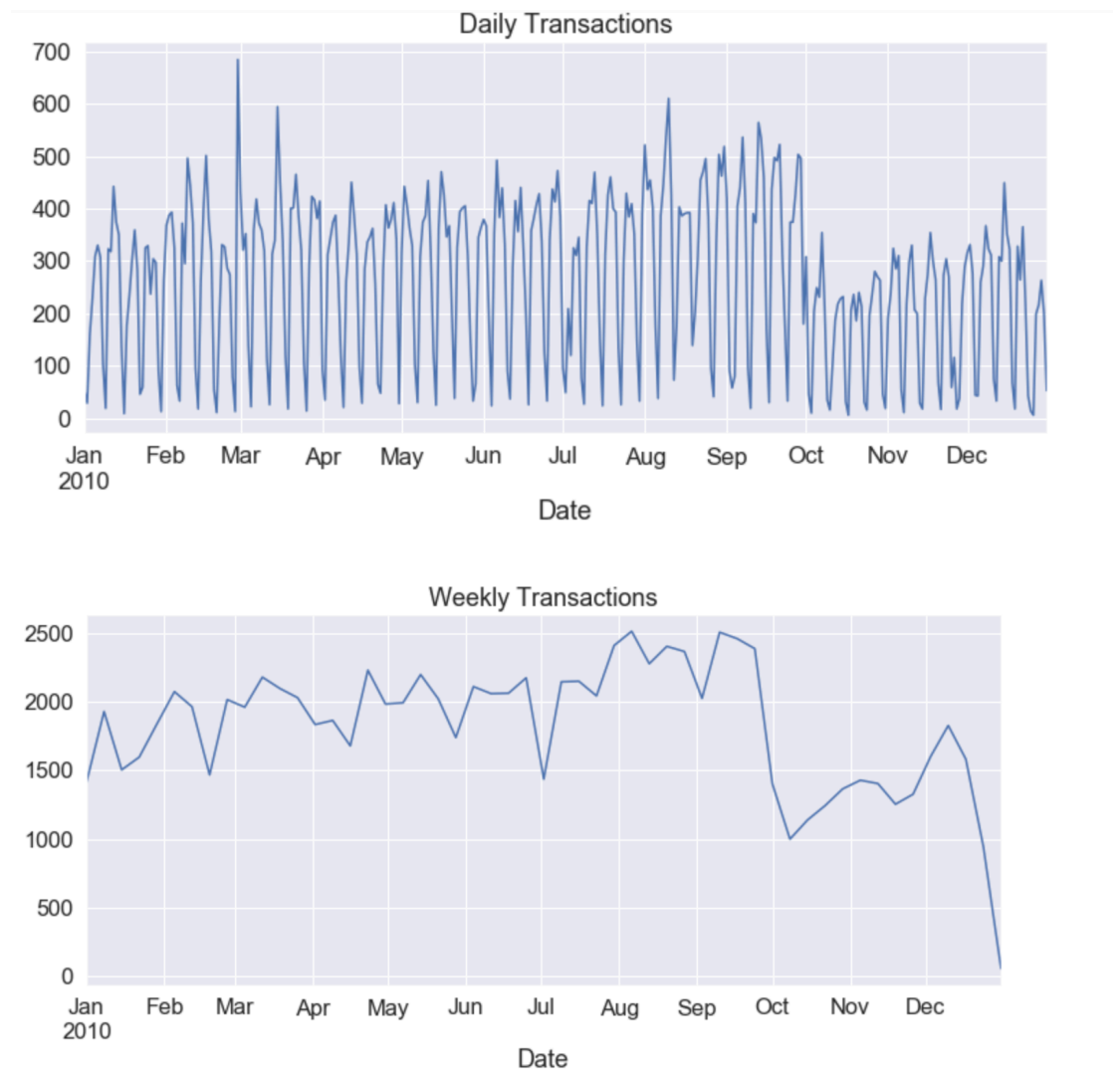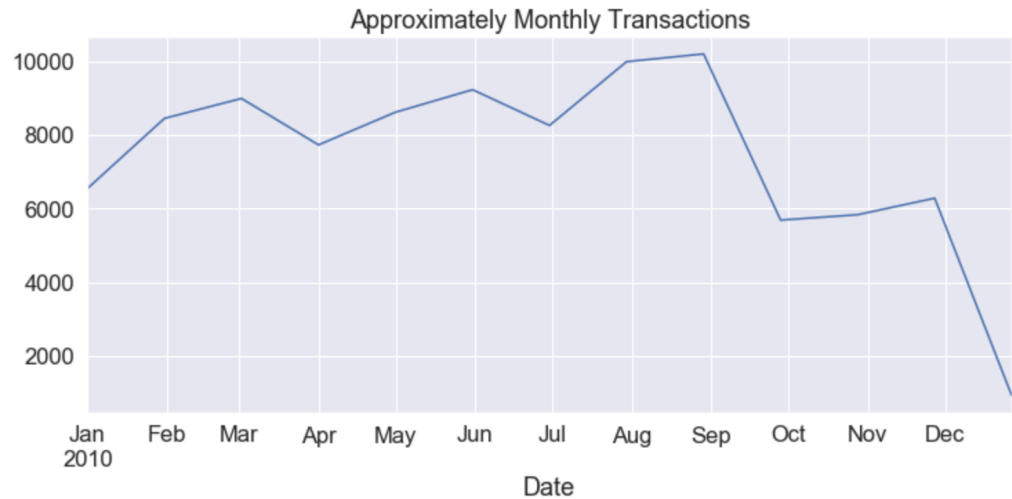**Cardnum** represents the card number of a performed transaction

Type: Categorical

iii.   Field3: Date

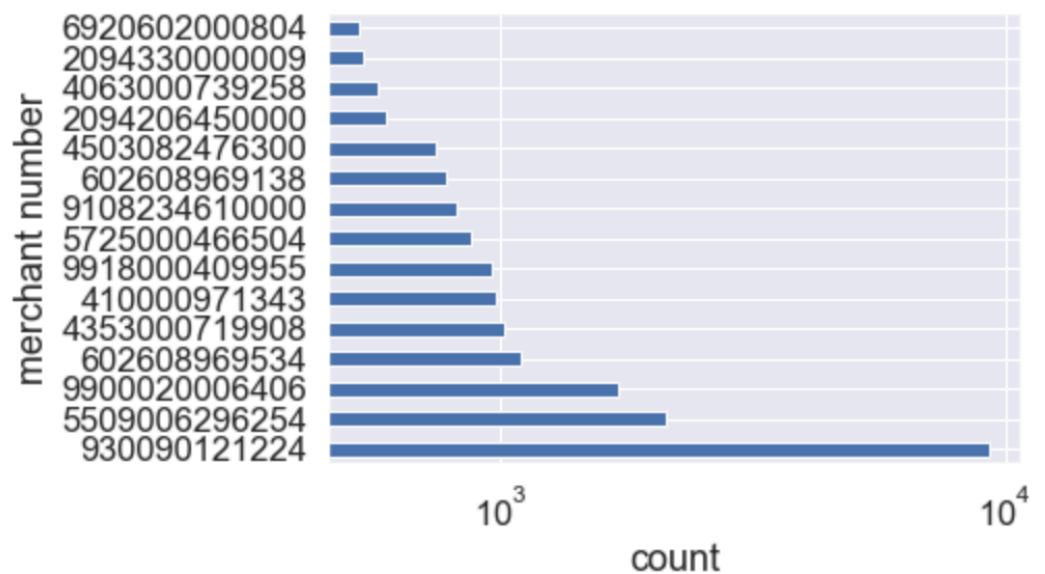**Date** represents the date a transaction happens

Type: Categorical

Approximately Monthly Transactions

iv.   Field4: Merchnum

Merchnum represents the merchant's number of the transaction.
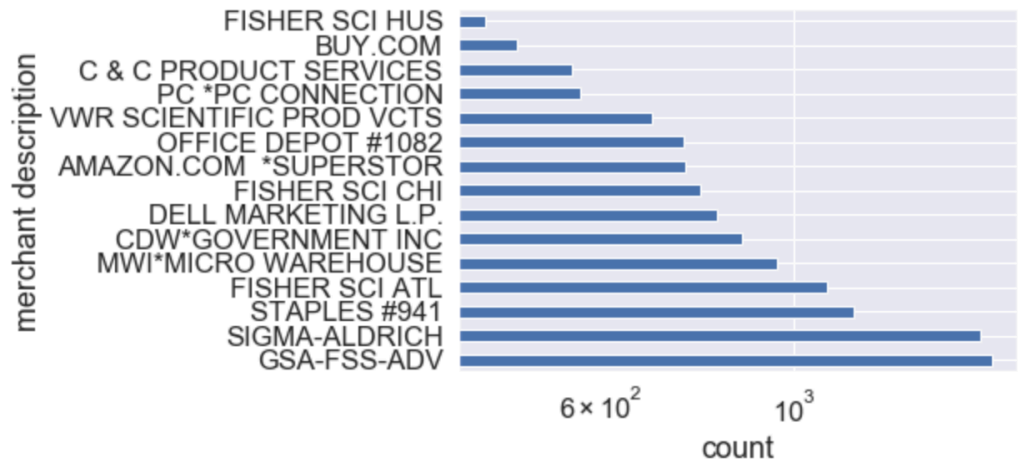
Type: Categorical

v.   Field5: Merchant description

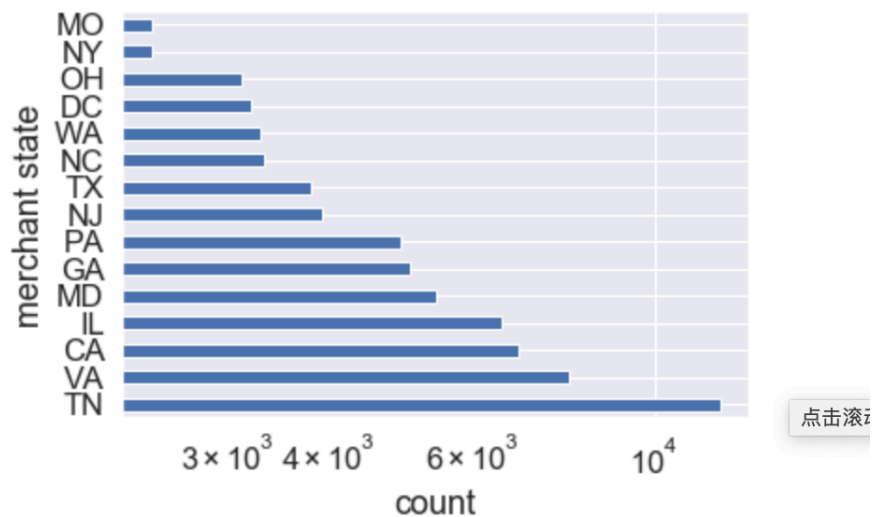**Merchant description** represents the description of a merchant.

Type: Categorical

vi. Field6: Merchant state

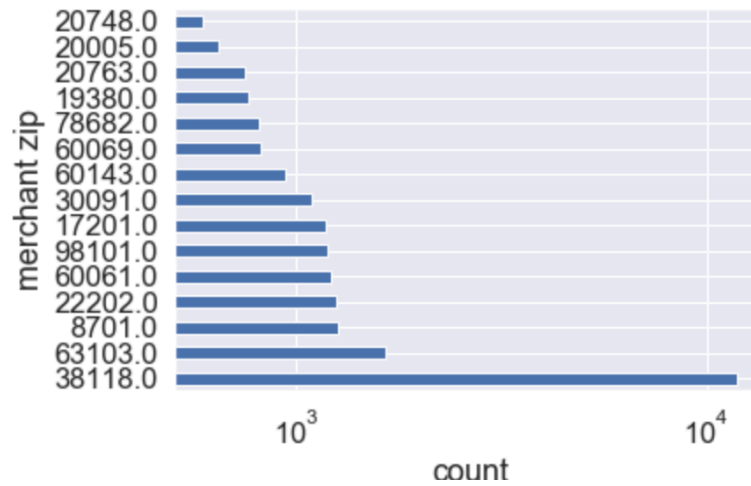**Merchant state** represents the address the state a merchant locates.

Type: Categorical

vii. Field7: Merchant zip

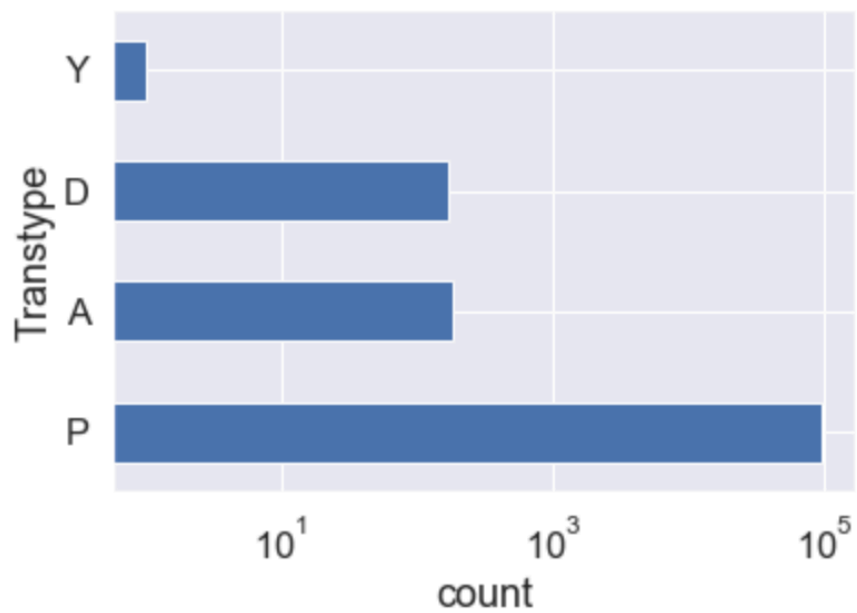**Merchant zip** represents the zip code of where merchant currently

locates

Type: Categorical

viii.   Field8: Transtype

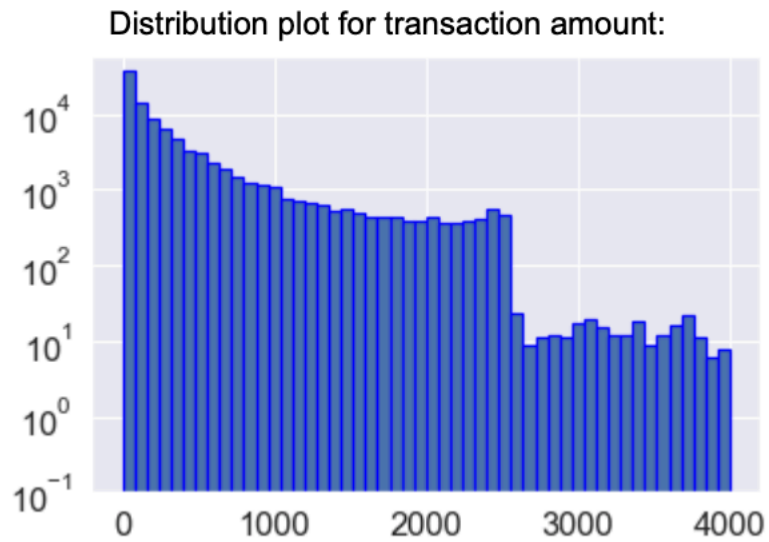**Transtype** represents the transaction type of a transaction

Type: Categorical

ix.   Field9: Amount

Amount represents the amount transacted

Type: numerical

Distribution plot for transaction amount:

x.   Field10: Fraud

Fraud represents whether the transaction is a fraud one or not. The value 1 indicates the record is a fraud one.

Type: Categorical

fraud_label	count
0	95694
1	1059

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