

## Modelo Entidade-Relacionamento

### Entidade

- transactions\_cards\_users\_mcc\_fraud

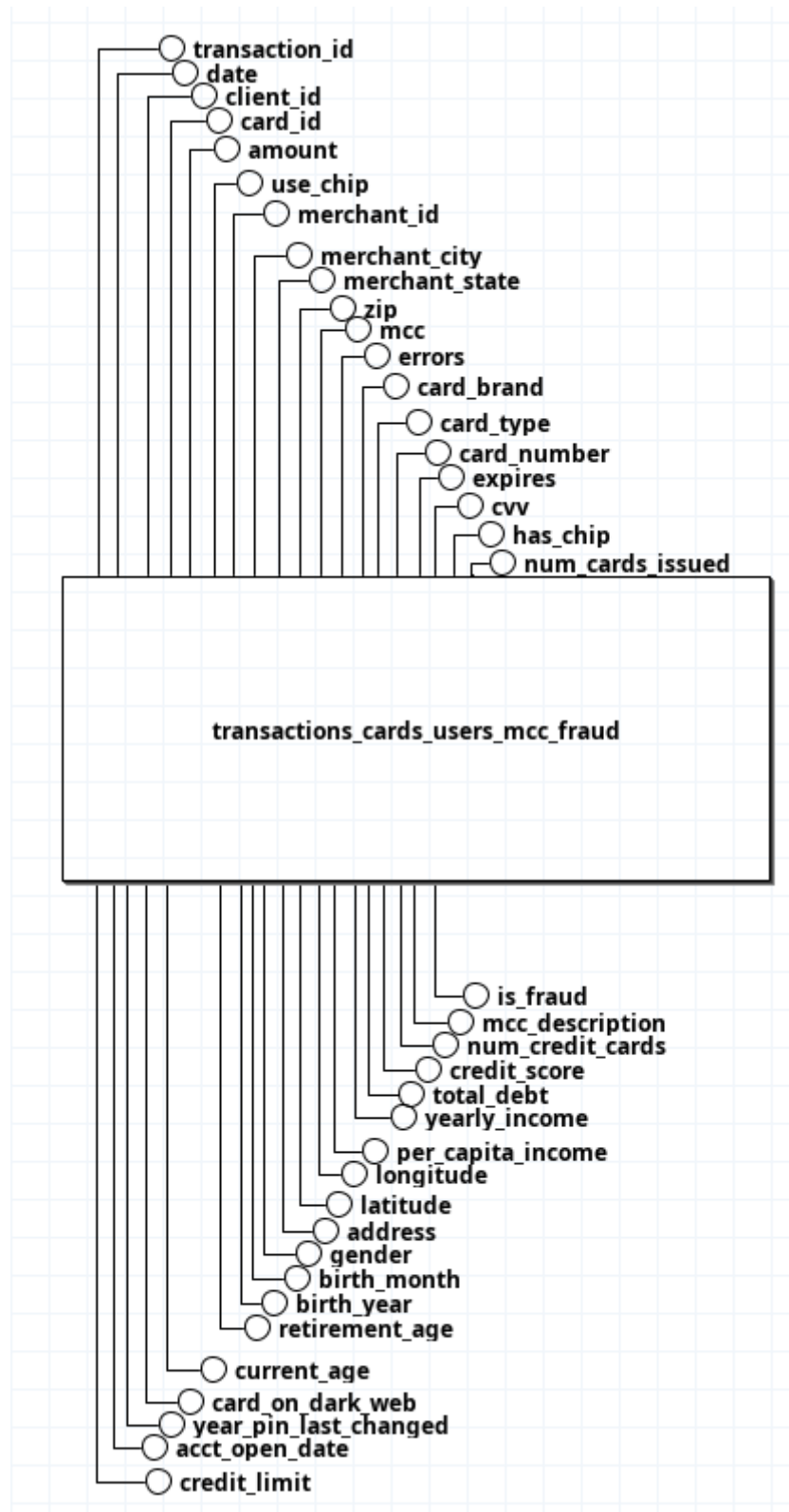
### Atributos

```
transactions_cards_users_mcc_fraud (  
  transaction_id,  
  date,  
  client_id,  
  card_id,  
  amount,  
  use_chip,  
  merchant_id,  
  merchant_city,  
  merchant_state,  
  zip,  
  mcc,  
  errors,  
  card_brand,  
  card_type,  
  card_number,  
  expires,  
  cvv,  
  has_chip,  
  num_cards_issued,  
  credit_limit,  
  acct_open_date,  
  year_pin_last_changed,  
  card_on_dark_web,  
  current_age,  
  retirement_age,  
  birth_year,  
  birth_month,  
  gender,  
  address,  
  latitude,  
  longitude,  
  per_capita_income,  
  yearly_income,  
  total_debt,  
  credit_score,  
  num_credit_cards,  
  Description,  
  Target  
)
```

### Relacionamento

Não há relacionamentos.

## Diagrama Entidade-Relacionamento



## Diagrama Lógico de Datos

transactions_cards_users_mcc_fraud	
transaction_id:	BIGINT
date:	TIMESTAMP
client_id:	BIGINT
card_id:	BIGINT
amount:	NUMERIC(10, 2)
use_chip:	VARCHAR(255)
merchant_id:	VARCHAR(255)
merchant_city:	VARCHAR(255)
merchant_state:	VARCHAR(255)
zip:	INTEGER
mcc:	SMALLINT
errors:	VARCHAR(255)
card_brand:	VARCHAR(255)
card_type:	VARCHAR(255)
card_number:	VARCHAR(255)
expires:	TIMESTAMP
cvv:	INTEGER
has_chip:	VARCHAR(255)
num_cards_issued:	SMALLINT
credit_limit:	NUMERIC(10, 2)
acct_open_date:	TIMESTAMP
year_pin_last_changed:	VARCHAR(255)
card_on_dark_web:	VARCHAR(255)
current_age:	SMALLINT
retirement_age:	SMALLINT
birth_year:	SMALLINT
birth_month:	SMALLINT
gender:	VARCHAR(255)
address:	VARCHAR(255)
latitude:	NUMERIC(9, 6)
longitude:	NUMERIC(9, 6)
per_capita_income:	NUMERIC(12, 2)
yearly_income:	NUMERIC(12, 2)
total_debt:	NUMERIC(12, 2)
credit_score:	SMALLINT
num_credit_cards:	SMALLINT
mcc_description:	VARCHAR(255)
is_fraud:	SMALLINT