# Acc

branchNumber: branch id number

Type: two types **DDA**, which is demand deposit account, is a bank account from which deposited funds can be withdrawn at any time, without advance notice

**SDA**, which is special deposit account, which customer’s account will be paid higher interest rate over the normal interest rates offered by the bank, The SDA where higher interest is paid for is a Fixed Deposit product.

openDate: all accounts open date is 3/1/2018

id: account id

iban: all in NA

balance: account balance of each account

currency: all in CAD

cust\_id: customer’s id

# Customer

Id: the customer id

Type: customer account type, all in personal

Gender: customer gender

birthdate: customer birth date

workAcitivity: if customer work as fulltime or parttime or NA, 2446 full time and 1754 part time

occupationIndustry: customer’s occupation

totalIncome: customer’s total income

relationshipStatus: customer’s relationship status, Married 2558, Single 2054, Divorced 472, Widowed 346, Separated 215

habitationStatus: : With Spouse 2840, With Parent 1315, Group 507

addresses\_principalResidence\_province: All in ON

schoolAttendance: Apprenticeship 835, College 356, Secondary 320, Middle 65, Elementary 6

schools: “1” 391

# Trans

Description: the detailed transaction descriptions

currencyAmount: the amount spend on individual transcation

locationRegion: the transaction location

locationCity: the transaction City

originationDateTime: the transaction initiate date

customerId: the customer id according to individual transaction

merchatId: the merchat id according to the individual transaction

accountId: the account id according to the individual transaction

categoryTags: the category tags according to the individual transaction

# Clustering encoding: Ordinal

**Gender**

Female 1

Male 2

Other 3

NA -2

**workActivity**

Unknow 1

Parttime 2

Fulltime 3

NA -2

**relationshipStatus**

Widowed 1

Single 2

Married 3

Separated 4

Divorced 5

NA -2

**habitationStatus**

Group 1

With Parent 2

Unknown 3

With Spouse 4

NA -2

**schoolAttendance**

Unknow 1

College 2

Secondary 3

Apprenticeship 4

Middle 5

Elementary 6

NA -2