Credit Card User Behavior

Data Dictionary

Server: DB local
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1. Introduction

A data dictionary is a collection of metadata such as object name, data type, size, classification, and relationships with other data assets. It is used by data administrators, analysts, and engineers to understand and trust data assets. It helps in the creation of authentic, transparent, and consistent data throughout the organization.

In this data dictionary, following servers are chosen for documentation:
DB local (MySQL)

For each server, definitions of tables (entities/collections), views, functions are listed in order. Detailed properties of data elements (data type, size, nullability, optionality, indexes, foreign keys, constraints) are organized in tabular format.

2. Server: DB local (MySQL)

Version: 10.4.32-MariaDB

1 database is listed below.

2.1. Database: mbsu_datamart

Database objects to be listed: 3 tables

2.1.1. Tables

2.1.1.1. Table: merchant_analysis

Fields

Pos	Name	Type	Not Null	Others
1	merchant_id	bigint(11)		
2	merchant_city	varchar(150)		
3	merchant_state	varchar(150)		
4	zip	bigint(20)		
5	transaction_month	date		
6	total_amount_cleaned	decimal(32, 2)		
7	total_transaction	bigint(21)	✓	

2.1.1.2. Table: risk_analyst

Fields

Pos	Name	Type	Not Null	Others
1	id	bigint(11)		
2	total_card	bigint(11)		
3	total_amount_cleaned	decimal(32, 2)		
4	total_transaction	bigint(21)	✓	
5	total_credit_limit	decimal(32, 2)		
6	income_per_month	decimal(10)		
7	total_debt	decimal(10, 2)		

8	Debt_to_income_ratio	decimal(10, 2)		
9	credit_score_class	varchar(9)		
10	longitude	double		
11	latitude	double		

2.1.1.3. Table: transaction_2019

Fields

Pos	Name	Type	Not Null	Others
1	id	int(11)		
2	date	datetime		
3	client_id	bigint(11)		
4	card_id	bigint(11)		
5	amount_cleaned	decimal(10, 2)		
6	use_chip	varchar(150)		
7	merchant_id	bigint(11)		
8	merchant_city	varchar(150)		
9	merchant_state	varchar(150)		
10	zip	bigint(20)		
11	mcc	bigint(11)		
12	errors	varchar(150)		