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EXPERIMENT NO 4

```
mysql> create table transaction_fact(trans_id int,cust_id int,time_key int,wallet_id int,service_id int,trans_date date,trans_credit int,trans_debit int,primary key(trans_id),foreign key(cust_id) references customer_din(cust_id),foreign key(wallet_id) references wallet_din(wallet_id),foreign key(time_key) references time_din(time_key),foreign key(service_id) references usageservice_din(service_id));
ERROR 2013 (HY000): Lost connection to MySQL server during query
No connection. Trying to reconnect...
Connection id: 8
Current database: dwm_db

Query OK, 0 rows affected (0.39 sec)

mysql> desc transaction_fact;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| trans_id | int | NO | PRI | NULL | |
| cust_id | int | YES | MUL | NULL | |
| time_key | int | YES | MUL | NULL | |
| wallet_id | int | YES | MUL | NULL | |
| service_id | int | YES | MUL | NULL | |
| trans_date | date | YES | | NULL | |
| trans_credit | int | YES | | NULL | |
| trans_debit | int | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.02 sec)

mysql> insert into transaction_fact values(101,1,10,1001,500,'2021-02-01',50000,6000);
Query OK, 1 row affected (0.02 sec)

mysql> insert into transaction_fact values(102,2,11,1002,510,'2022-05-05',60000,4000);
Query OK, 1 row affected (0.02 sec)

mysql> insert into transaction_fact values(103,3,12,1003,520,'2020-08-15',30000,5000);
Query OK, 1 row affected (0.01 sec)

mysql> insert into transaction_fact values(104,4,13,1004,550,'2023-10-20',70000,7000);
Query OK, 1 row affected (0.01 sec)

mysql> select *from transaction_fact;
+-----+-----+-----+-----+-----+-----+-----+-----+
| trans_id | cust_id | time_key | wallet_id | service_id | trans_date | trans_credit | trans_debit |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 101 | 1 | 10 | 1001 | 500 | 2021-02-01 | 50000 | 6000 |
| 102 | 2 | 11 | 1002 | 510 | 2022-05-05 | 60000 | 4000 |
| 103 | 3 | 12 | 1003 | 520 | 2020-08-15 | 30000 | 5000 |
| 104 | 4 | 13 | 1004 | 550 | 2023-10-20 | 70000 | 7000 |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
1 @RELATION transaction
2
3 @ATTRIBUTE transid NUMERIC
4 @ATTRIBUTE custid NUMERIC
5 @ATTRIBUTE timekey NUMERIC
6 @ATTRIBUTE walletid NUMERIC
7 @ATTRIBUTE serviceid NUMERIC
8 @ATTRIBUTE transdate DATE "yyyy-mm-dd"
9 @ATTRIBUTE transcredit NUMERIC
10 @ATTRIBUTE transdebit NUMERIC
11
12 @DATA
13 101,1,10,1001,500,"2021-02-01",50000,6000
14 102,2,11,1002,510,"2022-05-05",60000,4000
15 103,3,12,1003,520,"2020-08-15",30000,5000
16 104,4,13,1004,550,"2023-10-20",70000,7000
17 105,2,11,1002,510,"2022-07-12",80000,3000
```

weka-gui-Chooser

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Weka Explorer

Preprocess

Classify

Cluster

Associate

Select attributes

Visualize

Open file...

Open URL...

Open DB...

Generate...

Undo

Edit...

Save...

Filter

Choose

None

Apply

Current relation

Relation: transaction

Instances: 5

Attributes: 8

Attributes

All

None

Invert

Pattern

No.	Name
1	transid
2	custid
3	timekey
4	walletid
5	serviceid
6	transdate
7	transcredit
8	transdebit

Remove

Selected attribute

Name: transcredit

Missing: 0 (0%)

Distinct: 5

Type: Numeric

Unique: 5 (100%)

Statistic	Value
Minimum	30000
Maximum	80000
Mean	58000
StdDev	19235.384

Class: transdebit (Num)

Visualize All

5

30000

55000

80000

Status

OK

Log

x 0