



Portfolio Project - MyBank

Data Analysis: Bank Loan Lending Data Analytics.

SQL Script, DDL and DML Commands.

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Project Role: Data Analyst - Financial Bank.

I used following applications and solution steps to import csv data file into MySQL database, performed data validation, data format conversion tasks and User Acceptance Testing planning activities.

Applications and Skills Used:

- MySQL 8.4 Server
- MySQL Workbench 8.0 CE
- Microsoft Excel
- SQL - DDL (Data Definition Language) such as Create, Alter database objects.
- SQL - DML (Data Manipulation Language) for data manipulation operations such as Select, Update, Delete etc.

Step-1: Analyze gathered data (csv) file to identify any data accuracy and formatting issues.

- Date values in gathered data file have inconstant date formats. Few values are in dd/mm/yyyy format, few others are in dd-mm-yyyy format. We need to convert them in mm/dd/yyyy format to be analyzed.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|----|------------|------------------------|---------------|-------|---------|-----------------------|-----------------------|-------------------|-------------|-------------------|-----------------|-----------|---|---|
| id | address_s | application.emp_length | emp_title | grade | | home_own_issue_date | last_credit_pull_date | last_payment_date | loan_status | next_payment_date | member_ipurpose | sub_grade | | |
| 2 | 1077430 GA | INDIVIDUA < 1 year | Ryder | C | RENT | 11/2/2021 13-09-2021 | | 13-04-2021 | Charged O | 13-03-2021 | 1314167 car | C4 | | |
| 3 | 1072053 CA | INDIVIDUA 9 years | MKC Acco E | | RENT | 1/1/2021 14-12-2021 | | 15-01-2021 | Fully Paid | 15-02-2021 | 1288686 car | E1 | | |
| 4 | 1069243 CA | INDIVIDUA 4 years | Chemat Te C | | RENT | 5/1/2021 | 12/12/2021 | 9/1/2021 | Charged O | 9/2/2021 | 1304116 car | C5 | | |
| 5 | 1041756 TX | INDIVIDUA < 1 year | barnes dis B | | MORTGAG | 25-02-2021 | 12/12/2021 | 12/3/2021 | Fully Paid | 12/4/2021 | 1272024 car | B2 | | |
| 6 | 1068350 IL | INDIVIDUA 10+ years | J& Steel Ir A | | MORTGAG | 1/1/2021 14-12-2021 | | 15-01-2021 | Fully Paid | 15-02-2021 | 1302971 car | A1 | | |
| 7 | 1062608 CA | INDIVIDUA 3 years | Studio 94 C | | RENT | 17-07-2021 16-03-2021 | | 12/8/2021 | Fully Paid | 12/9/2021 | 1294481 car | C3 | | |
| 8 | 1067441 TX | INDIVIDUA 10+ years | American C | | MORTGAG | 19-11-2021 14-06-2021 | | 13-12-2021 | Fully Paid | 13-01-2022 | 1301833 car | C2 | | |
| 9 | 1066424 PA | INDIVIDUA 10+ years | SCI Mahan A | | OWN | 11/6/2021 14-07-2021 | | 14-07-2021 | Fully Paid | 14-08-2021 | 1291243 car | A4 | | |
| 10 | 1065254 FL | INDIVIDUA 10+ years | Tech Data A | | MORTGAG | 2/9/2021 15-06-2021 | | 12/10/2021 | Charged O | 12/11/2021 | 1299335 car | A5 | | |
| 11 | 1064589 MI | INDIVIDUA 10+ years | teltow con B | | MORTGAG | 9/2/2021 16-03-2021 | | 16-03-2021 | Fully Paid | 16-04-2021 | 1298401 car | B5 | | |
| 12 | 1057766 TX | INDIVIDUA 10+ years | Ericsson B | | MORTGAG | 22-07-2021 13-09-2021 | | 13-08-2021 | Fully Paid | 13-09-2021 | 1289131 car | B5 | | |
| 13 | 1062734 CA | INDIVIDUA 3 years | myrvparts B | | RENT | 11/9/2021 13-03-2021 | | 12/10/2021 | Charged O | 12/11/2021 | 1295018 car | B4 | | |
| 14 | 1062654 CA | INDIVIDUA 4 years | AEG LIVE B | | RENT | 11/8/2021 13-10-2021 | | 13-09-2021 | Fully Paid | 13-10-2021 | 1294929 car | B3 | | |
| 15 | 1020855 CA | INDIVIDUA 5 years | henkel cor B | | RENT | 11/12/2021 14-12-2021 | | 14-12-2021 | Fully Paid | 14-01-2022 | 1249642 car | B5 | | |
| 16 | 1060945 IL | INDIVIDUA 4 years | AXA Assist B | | RENT | 11/10/2021 14-12-2021 | | 14-12-2021 | Fully Paid | 14-01-2022 | 1293124 car | B4 | | |
| 17 | 1060995 RI | INDIVIDUA < 1 year | HSA-UWC B | | RENT | 11/12/2021 14-02-2021 | | 13-10-2021 | Charged O | 13-11-2021 | 1292578 car | B4 | | |
| 18 | 1046507 TX | INDIVIDUA 1 year | Child's Da B | | RENT | 2/12/2021 16-04-2021 | | 14-12-2021 | Fully Paid | 14-01-2022 | 1277552 car | B1 | | |
| 19 | 1059936 NY | INDIVIDUA 4 years | OEC Freigl C | | RENT | 9/10/2021 15-09-2021 | | 12/11/2021 | Fully Paid | 12/12/2021 | 1291775 car | C2 | | |
| 20 | 1059497 FL | INDIVIDUA 10+ years | Sandestin B | | MORTGAG | 12/12/2021 14-12-2021 | | 14-12-2021 | Fully Paid | 14-01-2022 | 1291322 car | B2 | | |
| 21 | 1058060 MD | INDIVIDUA 10+ years | D | | OWN | 2/2/2021 16-05-2021 | | 15-02-2021 | Fully Paid | 15-03-2021 | 1289636 car | D1 | | |
| 22 | 112245 WI | INDIVIDUA 6 years | Norman G.A | | RENT | 7/7/2021 16-04-2021 | | 10/8/2021 | Fully Paid | 10/9/2021 | 112227 car | A2 | | |
| 23 | 207910 FL | INDIVIDUA < 1 year | A | | MORTGAG | 8/1/2021 16-05-2021 | | 10/2/2021 | Charged O | 10/3/2021 | 183496 car | A2 | | |
| 24 | 65426 MI | INDIVIDUA < 1 year | Infotrieve, B | | MORTGAG | 9/8/2021 16-05-2021 | | 11/6/2021 | Charged O | 11/7/2021 | 232106 car | B1 | | |



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Step-2: Create MySQL database/Schema.

- Using MySQL Workbench, created new database/schema (**bankloandb**).

Step-3: Create a new database table.

- Using SQL DDL command, create a new database table (**bank_loan_data**) in this database/schema (**bankloandb**).
- This table used to import bank loan data from csv data file into MySQL database.
- Varchar datatype is being used to import from csv file into this table (temporarily).

```
CREATE TABLE bank_loan_data (
    id                      int,
    address_state            varchar(10),
    application_type         varchar(100),
    emp_length               varchar(100),
    emp_title                varchar(150),
    grade                    varchar(10),
    home_ownership            varchar(100),
    issue_date               varchar(50),
    last_credit_pull_date    varchar(50),
    last_payment_date        varchar(50),
    loan_status               varchar(50),
    next_payment_date        varchar(50),
    member_id                 int,
    purpose                  varchar(100),
    sub_grade                varchar(10),
    term                     varchar(100),
    verification_status       varchar(100),
    annual_income              decimal(7,0),
    dti                      double(7,4),
    installment               decimal(7,2),
    int_rate                  double(7,4),
    loan_amount                decimal(7,2),
    total_acc                  int,
    total_payment              decimal(7,2));
```

Step-4: Import csv data file into database table.

- Using MySQL Workbench's 'Table Data Import Wizard', import csv file data into table.
- Used proper field separator (,), Line separator (CR LF), Encoding (utf-8), Column mappings.



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Step-5: Alter database table for date format conversion.

- Using SQL DDL command, ALTER the table to add new date datatype columns temporarily which will be used to convert date value's format.

```
ALTER TABLE bank_loan_data ADD COLUMN temp_issue_date date;
ALTER TABLE bank_loan_data ADD COLUMN temp_last_credit_pull_date date;
ALTER TABLE bank_loan_data ADD COLUMN temp_last_payment_date date;
ALTER TABLE bank_loan_data ADD COLUMN temp_next_payment_date date;
```

Step-6: Update column values for date format conversion.

- Using SQL DML commands, populate new columns with converted values.
- Convert from Varchar/string datatype to date datatype.

```
UPDATE bank_loan_data SET temp_issue_date = STR_TO_DATE(issue_date, '%d/%m/%Y');
UPDATE bank_loan_data SET temp_last_credit_pull_date = STR_TO_DATE(last_credit_pull_date,
'%d/%m/%Y');
UPDATE bank_loan_data SET temp_last_payment_date = STR_TO_DATE(last_payment_date,
'%d/%m/%Y');
UPDATE bank_loan_data SET temp_next_payment_date = STR_TO_DATE(next_payment_date,
'%d/%m/%Y');
```

Step-7: Alter database table for date format conversion.

- Using SQL DDL command, ALTER the table to drop old Varchar datatype columns.

```
ALTER TABLE bank_loan_data DROP COLUMN issue_date;
ALTER TABLE bank_loan_data DROP COLUMN last_credit_pull_date;
ALTER TABLE bank_loan_data DROP COLUMN last_payment_date;
ALTER TABLE bank_loan_data DROP COLUMN next_payment_date;
```

Step-8: Alter database table for date format conversion.

- Using SQL DDL command, ALTER the table to rename the new DATE datatype columns back to original columns names.

```
ALTER TABLE bank_loan_data CHANGE COLUMN temp_issue_date issue_date date;
ALTER TABLE bank_loan_data CHANGE COLUMN temp_last_credit_pull_date last_credit_pull_date
date;
ALTER TABLE bank_loan_data CHANGE COLUMN temp_last_payment_date last_payment_date
date;
ALTER TABLE bank_loan_data CHANGE COLUMN temp_next_payment_date next_payment_date
date;
```



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Now, we have all imported data accurately in table which can be used to create Tableau dashboards. Source data can be used either from MySQL database table (bank_loan_data) or directly from csv data file.

Step-G: After data import, Data validation and UAT preparation.

- Using SQL DML commands, retrieve imported data from table. Write few SELECT queries to get data which will be matched with data shown on Tableau dashboard (during UAT with business users).
- SQL output values should match with related KPI's shown on Tableau dashboard.
- Please refer SQL queries given below.

#total loan applications

```
SELECT COUNT(id) AS Total_Applications FROM bank_loan_data;
```

| | Total_Applications |
|---|--------------------|
| ▶ | 38576 |

#mtd loan applications

```
SELECT COUNT(id) AS Total_Applications FROM bank_loan_data  
WHERE MONTH(issue_date) = 12;
```

| | Total_Applications |
|---|--------------------|
| ▶ | 4314 |

#pmtd loan applications

```
SELECT COUNT(id) AS Total_Applications FROM bank_loan_data  
WHERE MONTH(issue_date) = 11;
```

| | Total_Applications |
|---|--------------------|
| ▶ | 4035 |



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#total funded amount

```
SELECT SUM(loan_amount) AS Total_Funded_Amount FROM bank_loan_data;
```

| | Total_Funded_Amount |
|---|---------------------|
| ▶ | 435757075.00 |

#mtd total funded amount

```
SELECT SUM(loan_amount) AS Total_Funded_Amount FROM bank_loan_data  
WHERE MONTH(issue_date) = 12;
```

| | Total_Funded_Amount |
|---|---------------------|
| ▶ | 53981425.00 |

#pmtd total funded amount

```
SELECT SUM(loan_amount) AS Total_Funded_Amount FROM bank_loan_data  
WHERE MONTH(issue_date) = 11;
```

| | Total_Funded_Amount |
|---|---------------------|
| ▶ | 47754825.00 |

#total amount received

```
SELECT SUM(total_payment) AS Total_Amount_Collected FROM bank_loan_data;
```

| | Total_Amount_Collected |
|---|------------------------|
| ▶ | 473070933.00 |

#mtd total amount received

```
SELECT SUM(total_payment) AS Total_Amount_Collected FROM bank_loan_data  
WHERE MONTH(issue_date) = 12;
```

| | Total_Amount_Collected |
|---|------------------------|
| ▶ | 58074380.00 |

#pmtd total amount received

```
SELECT SUM(total_payment) AS Total_Amount_Collected FROM bank_loan_data  
WHERE MONTH(issue_date) = 11;
```

| | Total_Amount_Collected |
|---|------------------------|
| ▶ | 50132030.00 |



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#average interest rate

```
SELECT AVG(int_rate)*100 AS Avg_Int_Rate FROM bank_loan_data;
```

| | Avg_Int_Rate |
|---|--------------|
| ▶ | 12.04883140 |

#mtd average interest

```
SELECT AVG(int_rate)*100 AS MTD_Avg_Int_Rate FROM bank_loan_data  
WHERE MONTH(issue_date) = 12;
```

| | MTD_Avg_Int_Rate |
|---|------------------|
| ▶ | 12.35604080 |

#pmtd average interest

```
SELECT AVG(int_rate)*100 AS PMTD_Avg_Int_Rate FROM bank_loan_data  
WHERE MONTH(issue_date) = 11;
```

| | PMTD_Avg_Int_Rate |
|---|-------------------|
| ▶ | 11.94171747 |

#average dti

```
SELECT AVG(dti)*100 AS Avg_DTI FROM bank_loan_data;
```

| | Avg_DTI |
|---|-------------|
| ▶ | 13.32743312 |

#mtd average dti

```
SELECT AVG(dti)*100 AS MTD_Avg_DTI FROM bank_loan_data  
WHERE MONTH(issue_date) = 12;
```

| | MTD_Avg_DTI |
|---|-------------|
| ▶ | 13.66553778 |



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#pmtd average dti

```
SELECT AVG(dt) * 100 AS PMTD_Avg_DTI FROM bank_loan_data  
WHERE MONTH(issue_date) = 11;
```

| | PMTD_Avg_DTI |
|---|--------------|
| ▶ | 13.30273358 |

#good loan percentage

```
SELECT  
    (COUNT(CASE WHEN loan_status = 'Fully Paid' OR loan_status = 'Current' THEN id END) *  
     100.0) / COUNT(id) AS Good_Loan_Percentage  
FROM bank_loan_data;
```

| | Good_Loan_Percentage |
|---|----------------------|
| ▶ | 86.17534 |

#good loan applications

```
SELECT COUNT(id) AS Good_Loan_Applications FROM bank_loan_data  
WHERE loan_status = 'Fully Paid' OR loan_status = 'Current';
```

| | Good_Loan_Applications |
|---|------------------------|
| ▶ | 33243 |

#good loan funded amount

```
SELECT SUM(loan_amount) AS Good_Loan_Funded_amount FROM bank_loan_data  
WHERE loan_status = 'Fully Paid' OR loan_status = 'Current';
```

| | Good_Loan_Funded_amount |
|---|-------------------------|
| ▶ | 370224850.00 |

#good loan amount received

```
SELECT SUM(total_payment) AS Good_Loan_amount_received FROM bank_loan_data  
WHERE loan_status = 'Fully Paid' OR loan_status = 'Current';
```

| | Good_Loan_amount_received |
|---|---------------------------|
| ▶ | 435786170.00 |



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#bad loan percentage

```
SELECT  
    (COUNT(CASE WHEN loan_status = 'Charged Off' THEN id END) * 100.0) / COUNT(id) AS  
    Bad_Loan_Percentage  
FROM bank_loan_data;
```

| | Bad_Loan_Percentage |
|---|---------------------|
| ▶ | 13.82466 |

#bad loan applications

```
SELECT COUNT(id) AS Bad_Loan_Applications FROM bank_loan_data  
WHERE loan_status = 'Charged Off';
```

| | Bad_Loan_Applications |
|---|-----------------------|
| ▶ | 5333 |

#bad loan funded amount

```
SELECT SUM(loan_amount) AS Bad_Loan_Funded_amount FROM bank_loan_data  
WHERE loan_status = 'Charged Off';
```

| | Bad_Loan_Funded_amount |
|---|------------------------|
| ▶ | 65532225.00 |

#bad loan amount received

```
SELECT SUM(total_payment) AS Bad_Loan_amount_received FROM bank_loan_data  
WHERE loan_status = 'Charged Off';
```

| | Bad_Loan_amount_received |
|---|--------------------------|
| ▶ | 37284763.00 |



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#loan status

SELECT

```
loan_status,  
COUNT(id) AS LoanCount,  
SUM(total_payment) AS Total_Amount_Received,  
SUM(loan_amount) AS Total_Funded_Amount,  
AVG(int_rate * 100) AS Interest_Rate,  
AVG(dt) * 100 AS DTI
```

FROM

```
bank_loan_data
```

GROUP BY

```
loan_status;
```

| | loan_status | LoanCount | Total_Amount_Received | Total_Funded_Amount | Interest_Rate | DTI |
|---|-------------|-----------|-----------------------|---------------------|---------------|-------------|
| ▶ | Charged Off | 5333 | 37284763.00 | 65532225.00 | 13.87857491 | 14.00473280 |
| | Fully Paid | 32145 | 411586256.00 | 351358350.00 | 11.64107077 | 13.16735075 |
| | Current | 1098 | 24199914.00 | 18866500.00 | 15.09932605 | 14.72434426 |

SELECT

```
loan_status,  
SUM(total_payment) AS MTD_Total_Amount_Received,  
SUM(loan_amount) AS MTD_Total_Funded_Amount
```

FROM bank_loan_data

WHERE MONTH(issue_date) = 12

GROUP BY loan_status;

| | loan_status | MTD_Total_Amount_Received | MTD_Total_Funded_Amount |
|---|-------------|---------------------------|-------------------------|
| ▶ | Fully Paid | 47815851.00 | 41302025.00 |
| | Charged Off | 5324211.00 | 8732775.00 |
| | Current | 4934318.00 | 3946625.00 |



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#month

SELECT

```
MONTH(issue_date) AS Month_Number,  
MONTHNAME(issue_date) AS Month_name,  
COUNT(id) AS Total_Loan_Applications,  
SUM(loan_amount) AS Total_Funded_Amount,  
SUM(total_payment) AS Total_Amount_Received
```

FROM bank_loan_data

GROUP BY MONTH(issue_date), MONTHNAME(issue_date)

ORDER BY MONTH(issue_date);

| | Month_Number | Month_name | Total_Loan_Applications | Total_Funded_Amount | Total_Amount_Received |
|---|--------------|------------|-------------------------|---------------------|-----------------------|
| ▶ | 1 | January | 2332 | 25031650.00 | 27578836.00 |
| | 2 | February | 2279 | 24647825.00 | 27717745.00 |
| | 3 | March | 2627 | 28875700.00 | 32264400.00 |
| | 4 | April | 2755 | 29800800.00 | 32495533.00 |
| | 5 | May | 2911 | 31738350.00 | 33750523.00 |
| | 6 | June | 3184 | 34161475.00 | 36164533.00 |
| | 7 | July | 3366 | 35813900.00 | 38827220.00 |
| | 8 | August | 3441 | 38149600.00 | 42682218.00 |
| | 9 | September | 3536 | 40907725.00 | 43983948.00 |
| | 10 | October | 3796 | 44893800.00 | 49399567.00 |
| | 11 | November | 4035 | 47754825.00 | 50132030.00 |
| | 12 | December | 4314 | 53981425.00 | 58074380.00 |



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#state

SELECT

```
    address_state AS State,  
    COUNT(id) AS Total_Loan_Applications,  
    SUM(loan_amount) AS Total_Funded_Amount,  
    SUM(total_payment) AS Total_Amount_Received
```

FROM bank_loan_data

GROUP BY address_state

ORDER BY address_state;

| | State | Total_Loan_Applications | Total_Funded_Amount | Total_Amount_Received |
|---|-------|-------------------------|---------------------|-----------------------|
| ▶ | AK | 78 | 1031800.00 | 1108570.00 |
| | AL | 432 | 4949225.00 | 5492272.00 |
| | AR | 236 | 2529700.00 | 2777875.00 |
| | AZ | 833 | 9206000.00 | 10041986.00 |
| | CA | 6894 | 78484125.00 | 83901234.00 |
| | CO | 770 | 8976000.00 | 9845810.00 |
| | CT | 730 | 8435575.00 | 9357612.00 |
| | DC | 214 | 2652350.00 | 2921854.00 |
| | DE | 110 | 1138100.00 | 1269136.00 |
| | FL | 2773 | 30046125.00 | 31601905.00 |
| | GA | 1355 | 15480325.00 | 16728040.00 |
| | HI | 170 | 1850525.00 | 2080184.00 |
| | IA | 5 | 56450.00 | 64482.00 |
| | ID | 6 | 59750.00 | 65329.00 |
| | IL | 1486 | 17124225.00 | 18875941.00 |
| | IN | 9 | 86225.00 | 85521.00 |
| | KS | 260 | 2872325.00 | 3247394.00 |
| | KY | 320 | 3504100.00 | 3792530.00 |
| | LA | 426 | 4498900.00 | 5001160.00 |
| | MA | 1310 | 15051000.00 | 16676279.00 |
| | MD | 1027 | 11911400.00 | 12985170.00 |
| | ME | 3 | 9200.00 | 10808.00 |
| | MI | 685 | 7829900.00 | 8543660.00 |
| | MN | 592 | 6302600.00 | 6750746.00 |



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#term

SELECT

```
    term AS Term,  
    COUNT(id) AS Total_Loan_Applications,  
    SUM(loan_amount) AS Total_Funded_Amount,  
    SUM(total_payment) AS Total_Amount_Received  
FROM bank_loan_data  
GROUP BY term  
ORDER BY term;
```

| | Term | Total_Loan_Applications | Total_Funded_Amount | Total_Amount_Received |
|---|-----------|-------------------------|---------------------|-----------------------|
| ▶ | 36 months | 28237 | 273041225.00 | 294709458.00 |
| | 60 months | 10339 | 162715850.00 | 178361475.00 |

#employee length

SELECT

```
    emp_length AS Employee_Length,  
    COUNT(id) AS Total_Loan_Applications,  
    SUM(loan_amount) AS Total_Funded_Amount,  
    SUM(total_payment) AS Total_Amount_Received  
FROM bank_loan_data  
GROUP BY emp_length  
ORDER BY emp_length;
```

| | Employee_Length | Total_Loan_Applications | Total_Funded_Amount | Total_Amount_Received |
|---|-----------------|-------------------------|---------------------|-----------------------|
| ▶ | < 1 year | 4575 | 44210625.00 | 47545011.00 |
| | 1 year | 3229 | 32883125.00 | 35498348.00 |
| | 10+ years | 8870 | 116115950.00 | 125871616.00 |
| | 2 years | 4382 | 44967975.00 | 49206961.00 |
| | 3 years | 4088 | 43937850.00 | 47551832.00 |
| | 4 years | 3428 | 37600375.00 | 40964850.00 |
| | 5 years | 3273 | 36973625.00 | 40397571.00 |
| | 6 years | 2228 | 25612650.00 | 27908658.00 |
| | 7 years | 1772 | 20811725.00 | 22584136.00 |
| | 8 years | 1476 | 17558950.00 | 19025777.00 |
| | 9 years | 1255 | 15084225.00 | 16516173.00 |



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#purpose

SELECT

```
    purpose AS PURPOSE,  
    COUNT(id) AS Total_Loan_Applications,  
    SUM(loan_amount) AS Total_Funded_Amount,  
    SUM(total_payment) AS Total_Amount_Received  
FROM bank_loan_data  
GROUP BY purpose  
ORDER BY purpose;
```

| | PURPOSE | Total_Loan_Applications | Total_Funded_Amount | Total_Amount_Received |
|---|--------------------|-------------------------|---------------------|-----------------------|
| ▶ | car | 1497 | 10223575.00 | 11324914.00 |
| | credit card | 4998 | 58885175.00 | 65214084.00 |
| | Debt consolidation | 18214 | 232459675.00 | 253801871.00 |
| | educational | 315 | 2161650.00 | 2248380.00 |
| | home improvement | 2876 | 33350775.00 | 36380930.00 |
| | house | 366 | 4824925.00 | 5185538.00 |
| | major purchase | 2110 | 17251600.00 | 18676927.00 |
| | medical | 667 | 5533225.00 | 5851372.00 |
| | moving | 559 | 3748125.00 | 3999899.00 |
| | other | 3824 | 31155750.00 | 33289676.00 |
| | renewable_energy | 94 | 845750.00 | 898931.00 |
| | small business | 1776 | 24123100.00 | 23814817.00 |
| | vacation | 352 | 1967950.00 | 2116738.00 |
| | wedding | 928 | 9225800.00 | 10266856.00 |

#home ownership

SELECT

```
    home_ownership AS Home_Ownership,  
    COUNT(id) AS Total_Loan_Applications,  
    SUM(loan_amount) AS Total_Funded_Amount,  
    SUM(total_payment) AS Total_Amount_Received  
FROM bank_loan_data  
GROUP BY home_ownership  
ORDER BY home_ownership;
```

| | Home_Ownership | Total_Loan_Applications | Total_Funded_Amount | Total_Amount_Received |
|---|----------------|-------------------------|---------------------|-----------------------|
| ▶ | MORTGAGE | 17198 | 219329150.00 | 238474438.00 |
| | NONE | 3 | 16800.00 | 19053.00 |
| | OTHER | 98 | 1044975.00 | 1025257.00 |
| | OWN | 2838 | 29597675.00 | 31729129.00 |
| | RENT | 18439 | 185768475.00 | 201823056.00 |