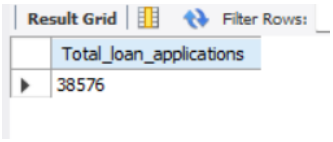
BANK LOAN REPORT QUERY DOCUMENT

A. BANK LOAN REPORT | SUMMARY

KEY PERFORMANCE INDICATOR:

Total Loan Applications

select count(id) AS Total_loan_applications from financial_loan

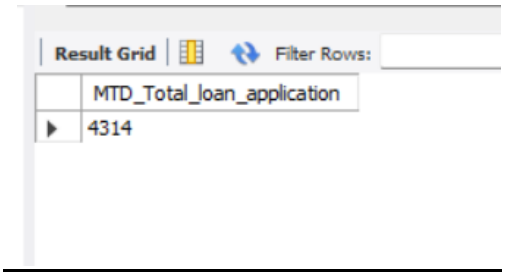


MTD Loan Applications

SELECT COUNT (id) AS MTD_Total_loan_application

FROM financial_loan

WHERE MONTH(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 12;

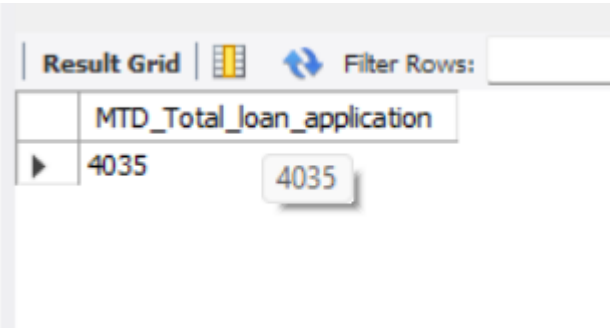


PMTD Loan Applications

SELECT COUNT(id) AS MTD_Total_loan_application

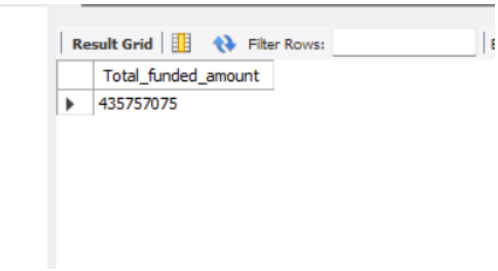
FROM financial_loan

WHERE MONTH(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 11



Total Funded Amount

```
select sum(loan_amount) AS Total_funded_amount FROM financial_loan
```



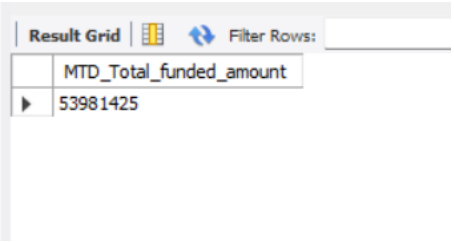
MTD Funded Amount

```
SELECT sum(loan_amount) AS MTD_Total_funded_amount

FROM financial_loan

WHERE MONTH(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 12

AND YEAR(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 2021;
```



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FROM financial_loan

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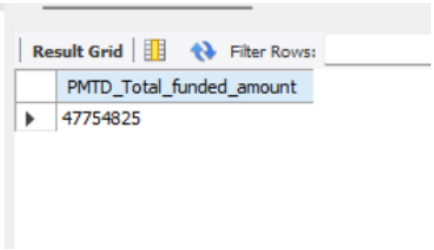
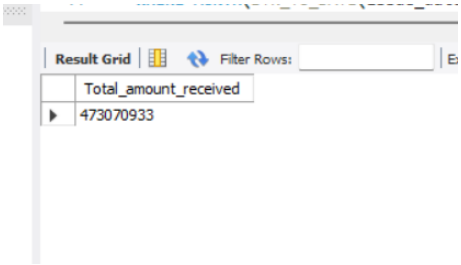
```



Total Amount Received

select sum(total_payment) as Total_amount_received from financial_loan



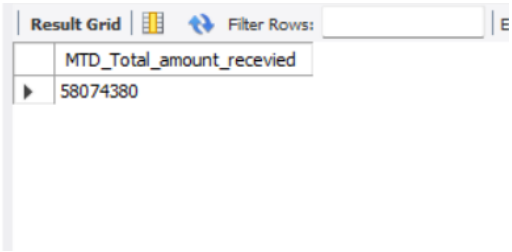
MTD Total Amount Recevied

SELECT sum(total_payment) AS MTD_Total_amount_recevied

FROM financial_loan

WHERE MONTH(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 12

AND YEAR(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 202



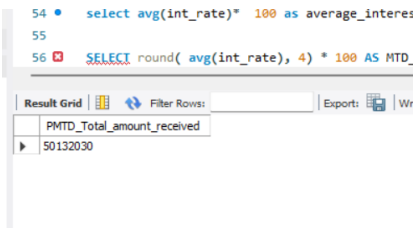
PMTD Total Amount Recevied

SELECT sum(total_payment) AS PMTD_Total_amount_received

FROM financial_loan

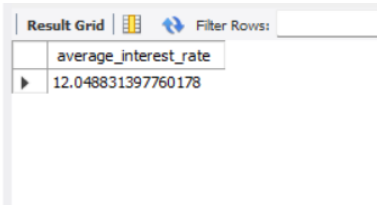
WHERE MONTH(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 11

AND YEAR(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 2021;



Average Interest Rate

select avg(int_rate)* 100 as average_interest_rate from financial_loan



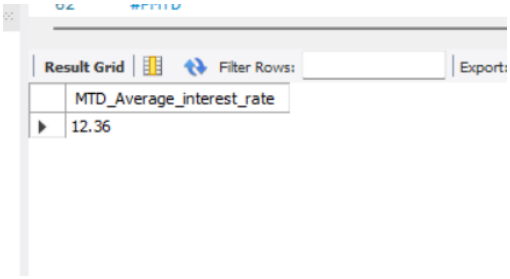
MTD Average I nterest Rate

SELECT round(avg(int_rate), 4) * 100 AS MTD_Average_interest_rate

FROM financial_loan

WHERE MONTH(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 12

AND YEAR(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 2021;



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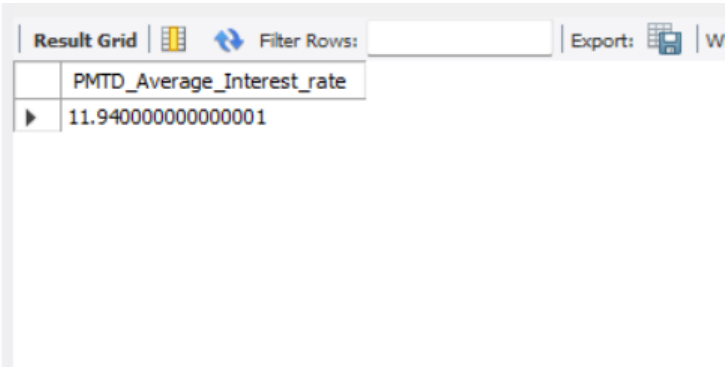
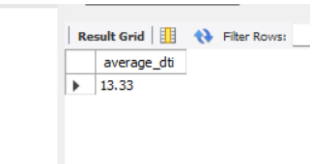


Avg DTI

select round(avg(dti), 4) * 100 as average_dti from financial_loan



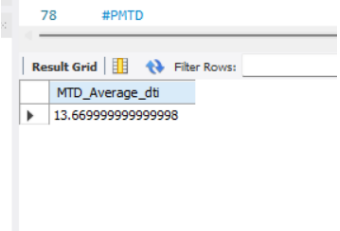
MTD Avg DTI

SELECT round(avg(dti), 4) * 100 AS MTD_Average_dti

FROM financial_loan

WHERE MONTH(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 12

AND YEAR(STR_TO_DATE(issue_date, '%d-%m-%Y')) = 2021;



PMTD Avg DTI

SELECT round(avg(dti), 4) * 100 AS PMTD_Average_dti

FROM financial_loan

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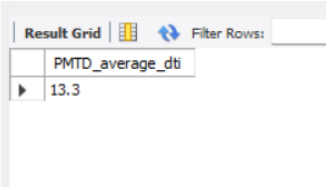


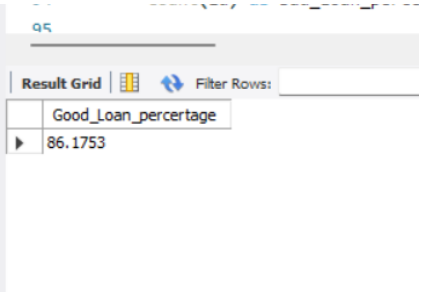
GOOD LOAN ISSUED

Good Loan Percentage

```
select
    (count(case when loan_status ='Fully paid' or loan_status ='current' then id end)* 100)/
```

count(id) as Good_Loan_percertage

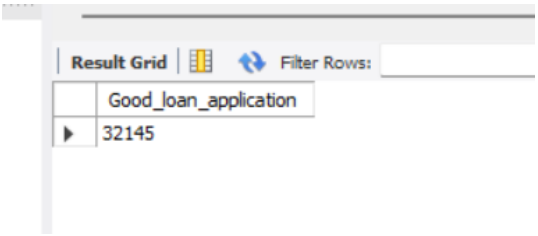
from financial_loan



Good loan Application

select count(id) as Good_loan_application from financial_loan

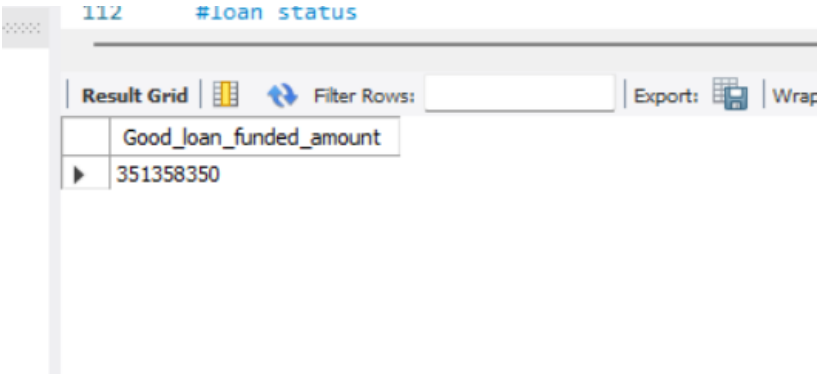
where loan_status = 'Fully paid' or loan_status =' current'



Good loan Funded Amount

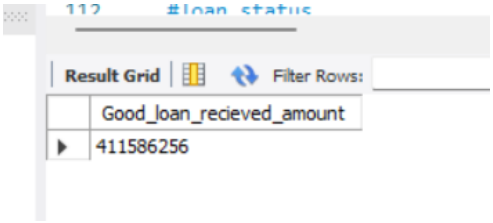
select sum(loan_amount) as Good_loan_funded_amount from financial_loan

where loan_status = 'Fully paid' or loan_status =' current'



Good Total Recevied Amount

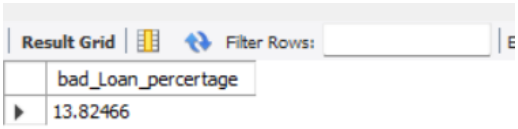
select sum(total_payment) as Good_loan_recieved_amount from financial_loan where loan_status = 'Fully paid' or loan_status =' current'



BAD LOAN ISSUED

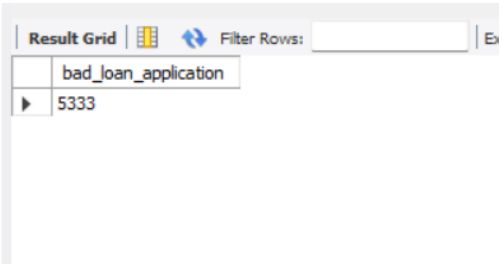
Bad loan percentage

```
select
  (count(case when loan_status ='Charged off' then id end)* 100.0)/
  count(id) as bad_Loan_percertage from financial_loan;
```



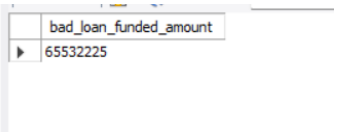
Bad loan Application

```
select count(id) as bad_loan_application from financial_loan where loan_status = 'Charged off'
```



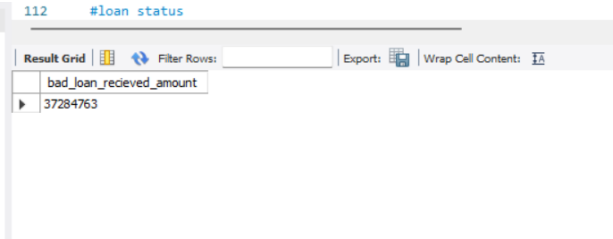
Bad loan Funded Amount

```
select sum(loan_amount) as bad_loan_funded_amount from financial_loan where loan_status
= 'Charged off'
```



Bad loan Amount Recevied

select sum(total_payment) as bad_loan_recieved_amount from financial_loan where loan_status = 'Charged off'



LOAN STATUS

```
select
    loan_status,
    count(id) as total_loan_application,
    sum(total_payment) as total_amount_recevied,
    sum(loan_amount)as total_funded_Amount,
    avg(int_rate * 100) as interest_rate,
    avg(dti * 100) as DTI
from
    financial_loan
group by
    loan_status
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_status	total_loan_application	total_amount_recevied	total_funded_Amount	interest_rate	DTI
Charged Off	5333	37284763	65532225	13.878574910931917	14.004732795799695
Fully Paid	32145	411586256	351358350	11.641070773058658	13.167350754394164
Current	1098	24199914	18866500	15.0993260473588	14.724344262295068

B. BANK LOAN REPORT | OVERVIEW

MONTH

```
SELECT
    MONTHNAME(issue_date) AS month_name,
    COUNT(id) AS total_loan_application,
    SUM(loan_amount) AS total_funded_amount,
    SUM(total_payment) AS total_received_amount
FROM financial_loan
GROUP BY MONTH(issue_date), MONTHNAME(issue_date)
ORDER BY MONTH(issue_date);
```

month_name	total_loan_application	total_funded_amount	total_received_amount
NULL	38576	435757075	473070933

STATE

```
select address_state,
    COUNT(id) AS total_loan_application,
    SUM(loan_amount) AS total_funded_amount,
    SUM(total_payment) AS total_received_amount
from financial_loan
group by address_state
order by sum(loan_amount) desc;
```

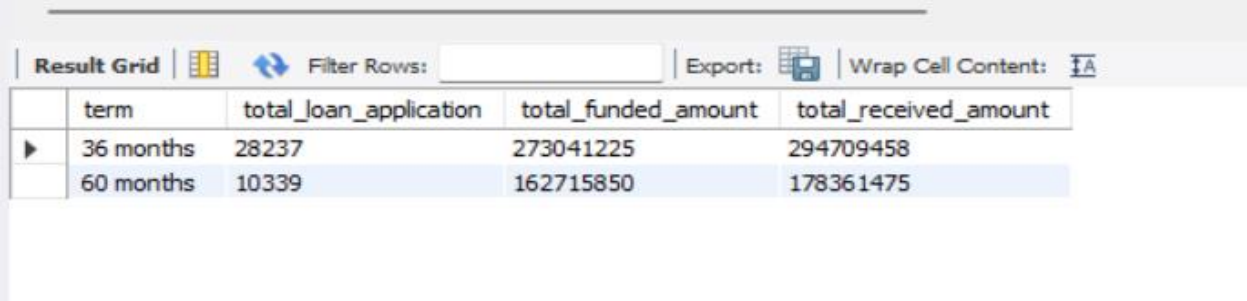
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

address_state	total_loan_application	total_funded_amount	total_received_amount
NJ	1822	21657475	23425159
IL	1486	17124225	18875941
VA	1375	15982650	17711443
PA	1482	15826525	17462908
GA	1355	15480325	16728040
MA	1310	15051000	16676279
OH	1188	12991375	14330148
MD	1027	11911400	12985170
AZ	833	9206000	10041986
CO	770	8976000	9845810
WA	805	8855525	9531739
NC	759	8787575	9534813
CT	730	8435575	9357612
MI	685	7829900	8543660
MO	660	7151175	7692732
MN	592	6302600	6750746
NV	482	5307375	5451443
SC	464	5080475	5462458
WI	446	5070450	5485161
AL	432	4949225	5492272
OR	436	4720150	4966903
LA	426	4498900	5001160
KY	320	3504100	3792530
OK	293	3365725	3712649

Result 33

TERM

```
select
        term,
        COUNT(id) AS total_loan_application,
        SUM(loan_amount) AS total_funded_amount,
        SUM(total_payment) AS total_received_amount
from financial_loan
group by term
order by term
```

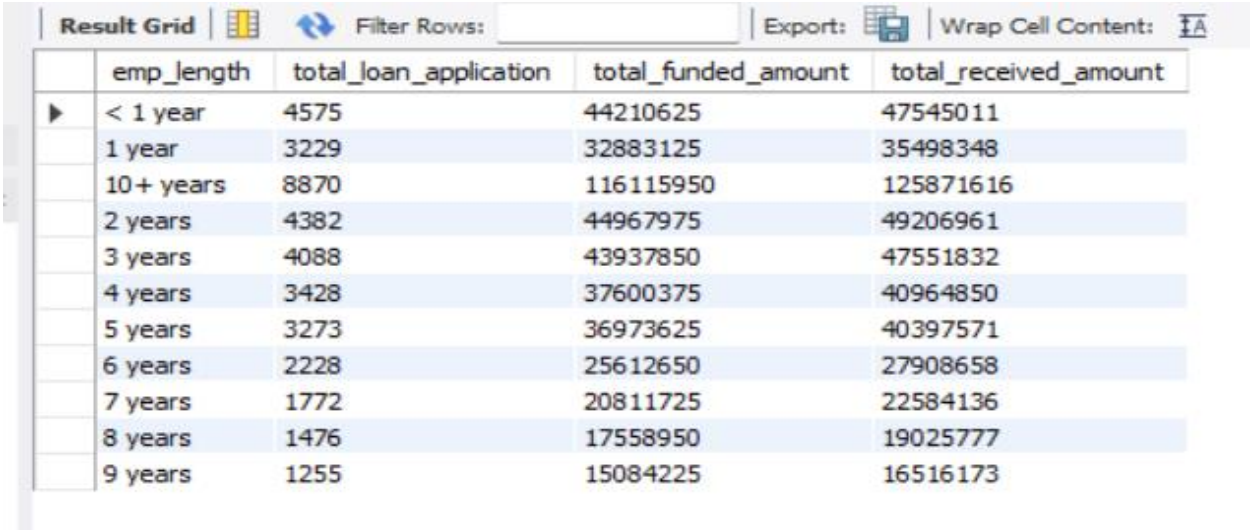


Result Grid | Filter Rows: | Export: | Wrap Cell Content:

term	total_loan_application	total_funded_amount	total_received_amount
36 months	28237	273041225	294709458
60 months	10339	162715850	178361475

EMPLOYEE LENGTH

```
select
        emp_length,
         COUNT(id) AS total_loan_application,
        SUM(loan_amount) AS total_funded_amount,
        SUM(total_payment) AS total_received_amount
from financial_loan
group by emp_length
order by emp_length
```



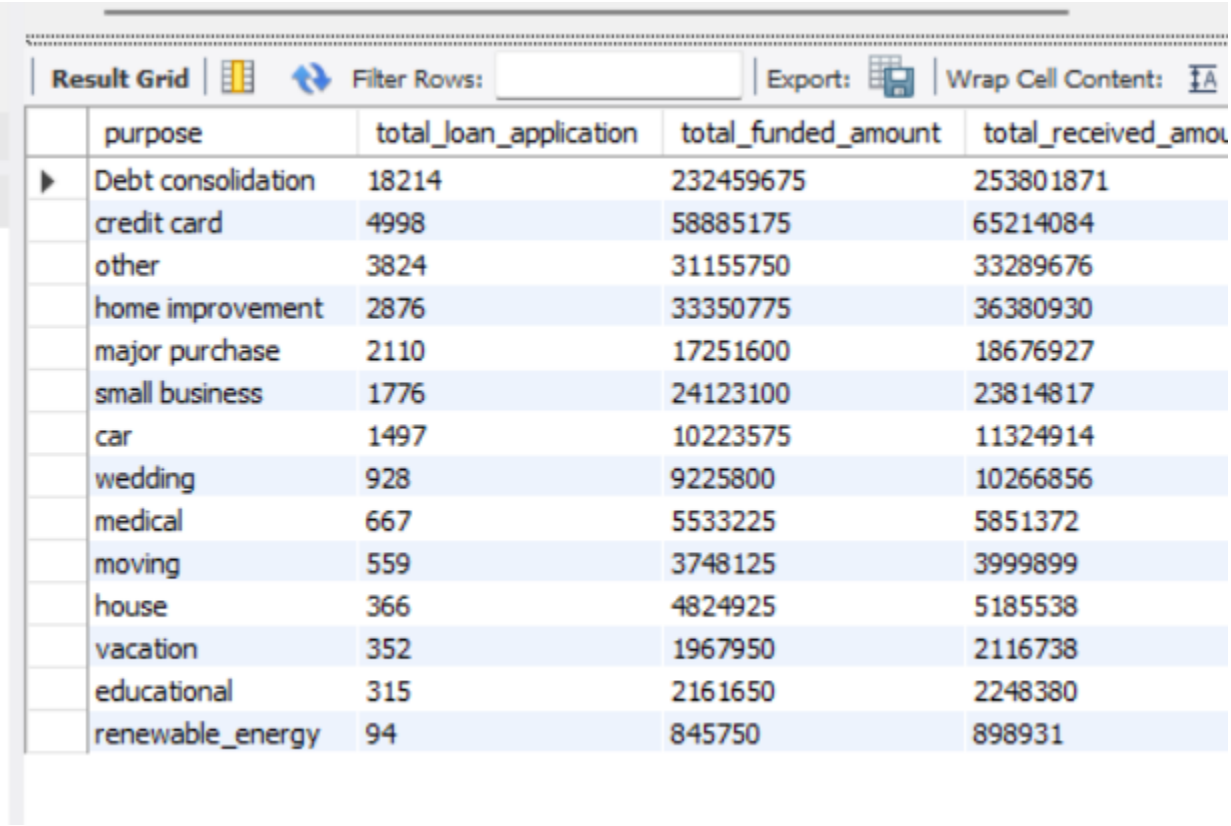
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

emp_length	total_loan_application	total_funded_amount	total_received_amount
< 1 year	4575	44210625	47545011
1 year	3229	32883125	35498348
10+ years	8870	116115950	125871616
2 years	4382	44967975	49206961
3 years	4088	43937850	47551832
4 years	3428	37600375	40964850
5 years	3273	36973625	40397571
6 years	2228	25612650	27908658
7 years	1772	20811725	22584136
8 years	1476	17558950	19025777
9 years	1255	15084225	16516173

PURPOSE

```
select
        purpose,
   COUNT(id) AS total_loan_application,
   SUM(loan_amount) AS total_funded_amount,
   SUM(total_payment) AS total_received_amount
from financial_loan
group by purpose
```

order by count(id) desc



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

purpose	total_loan_application	total_funded_amount	total_received_amou
Debt consolidation	18214	232459675	253801871
credit card	4998	58885175	65214084
other	3824	31155750	33289676
home improvement	2876	33350775	36380930
major purchase	2110	17251600	18676927
small business	1776	24123100	23814817
car	1497	10223575	11324914
wedding	928	9225800	10266856
medical	667	5533225	5851372
moving	559	3748125	3999899
house	366	4824925	5185538
vacation	352	1967950	2116738
educational	315	2161650	2248380
renewable_energy	94	845750	898931

HOME OWNERSHIP

```
select
        home_ownership,
        COUNT(id) AS total_loan_application,
        SUM(loan_amount) AS total_funded_amount,
       SUM(total_payment) AS total_received_amount
from financial_loan
group by home_ownership
order by count(id) desc
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

home_ownership	total_loan_application	total_funded_amount	total_received_amount
RENT	18439	185768475	201823056
MORTGAGE	17198	219329150	238474438
OWN	2838	29597675	31729129
OTHER	98	1044975	1025257
NONE	3	16800	19053