

---

```
Select * from dbo.bank_loan_data

    ---Total Loan Applications---
Select COUNT(id) as Total_Applications from bank_loan_data

    ---MTD Loan Applications---
SELECT COUNT(id) AS Total_Applications FROM bank_loan_data
WHERE MONTH(issue_date) = 12 and YEAR(issue_date) = 2023

    ---PMTD Loan Applications---
SELECT COUNT(id) AS Total_Applications FROM bank_loan_data
WHERE MONTH(issue_date) = 11

    ---Total Funded Amount---
SELECT SUM(loan_amount) AS Total_Funded_Amount FROM bank_loan_data

    ---MTD Total Funded Amount---
SELECT SUM(loan_amount) AS Total_Funded_Amount FROM bank_loan_data
WHERE MONTH(issue_date) = 12

    ---PMTD Total Funded Amount---
SELECT SUM(loan_amount) AS Total_Funded_Amount FROM bank_loan_data
WHERE MONTH(issue_date) = 11

    ---Total Amount Received---
SELECT SUM(total_payment) AS Total_Amount_Collected FROM bank_loan_data

    ---MTD Total Amount Received---
SELECT SUM(total_payment) AS Total_Amount_Collected FROM bank_loan_data
WHERE MONTH(issue_date) = 12

    ---PMTD Total Amount Received---
SELECT SUM(total_payment) AS Total_Amount_Collected FROM bank_loan_data
WHERE MONTH(issue_date) = 11

    ---Average Interest Rate---
SELECT AVG(int_rate)*100 AS Avg_Int_Rate FROM bank_loan_data

    ---MTD Average Interest---
SELECT AVG(int_rate)*100 AS MTD_Avg_Int_Rate FROM bank_loan_data
WHERE MONTH(issue_date) = 12

    ---PMTD Average Interest---
SELECT AVG(int_rate)*100 AS PMTD_Avg_Int_Rate FROM bank_loan_data
WHERE MONTH(issue_date) = 11

    ---Avg DTI---
SELECT AVG(dti)*100 AS Avg_DTI FROM bank_loan_data

    ---MTD Avg DTI---
SELECT AVG(dti)*100 AS MTD_Avg_DTI FROM bank_loan_data
```

---

```
WHERE MONTH(issue_date) = 12
```

```
---PMTD Avg DTI---
```

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

```
--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 Applications---
```

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

```
---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 Amount Received---
```

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

```
---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 Applications---
```

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

```
---Bad Loan Funded Amount---
```

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

```
---Bad Loan Amount Received---
```

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

```
---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(dti * 100) AS DTI
```

---

```

FROM
    bank_loan_data
GROUP BY
    loan_status

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

--MONTHLY---
SELECT
    MONTH(issue_date) AS Month_Munber,
    DATENAME(MONTH, 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), DATENAME(MONTH, issue_date)
ORDER BY MONTH(issue_date)

---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

---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

---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
```

---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
```

---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
```

--See the results when we hit the Grade A in the filters for dashboards---

```
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
WHERE grade = 'A'
GROUP BY purpose
ORDER BY purpose
```



# BANK LOAN REPORT | SUMMARY

Total Loan Applications

38.6K

MTD

4.3K

MoM

6.9%

Total Funded Amount

\$435.8M

MTD

\$54.0M

MoM

13.0%

Total Amount Received

\$473.1M

MTD

\$58.1M

MoM

15.8%

Avg Interest Rate

12.05%

MTD

12.4%

MoM

3.5%

Avg DTI

13.33%

MTD

13.7%

MoM

2.7%

## Menu

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## Purpose

All

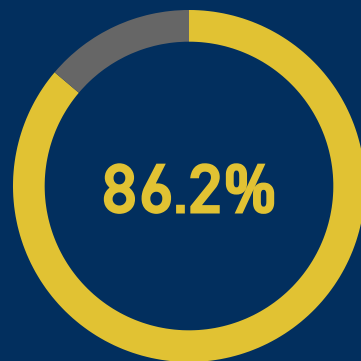
## Grade

All

## State

All

### GOOD LOAN ISSUED



Good Loan Applications

33.2K

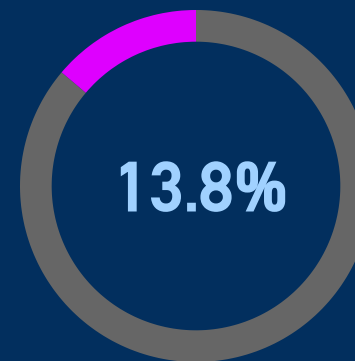
Good Loan Funded Amount

\$370.2M

Good Loan Total Received

\$435.8M

### BAD LOAN ISSUED



Bad Loan Applications

5.3K

Bad Loan Funded Amount

\$65.5M

Bad Loan Total Received

\$37.3M

### LOAN STATUS

Loan Status	Total Loan Applications	Total Funded Amount	Total Amount Received	MTD Funded Amount	MTD Amount Received	Avg Interest Rate	Avg DTI
Current	1098.0	\$18,866,500.0	\$24,199,914.0	\$3,946,625	\$4,934,318	15.10%	14.72%
Charged Off	5333.0	\$65,532,225.0	\$37,284,763.0	\$8,732,775	\$5,324,211	13.88%	14.00%
Fully Paid	32145.0	\$351,358,350.0	\$411,586,256.0	\$41,302,025	\$47,815,851	11.64%	13.17%
Grand Total	38576.0	\$435,757,075.0	\$473,070,933.0	\$53,981,425	\$58,074,380	12.05%	13.33%



# BANK LOAN REPORT | OVERVIEW

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## Select Measure

Total Funded Amount

## Good v Bad Loan

All

## Grade

All

## State

All

### Total Loan Applications

38.6K

MTD

4.3K

MoM

6.9%

### Total Funded Amount

\$435.8M

MTD

\$54.0M

MoM

13.0%

### Total Amount Received

\$473.1M

MTD

\$58.1M

MoM

15.8%

### Avg Interest Rate

12.05%

MTD

12.4%

MoM

3.5%

### Avg DTI

13.33%

MTD

13.7%

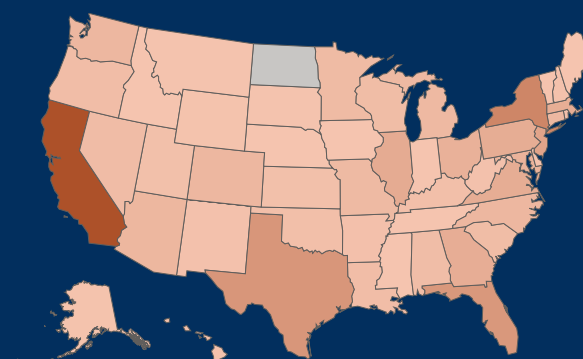
MoM

2.7%

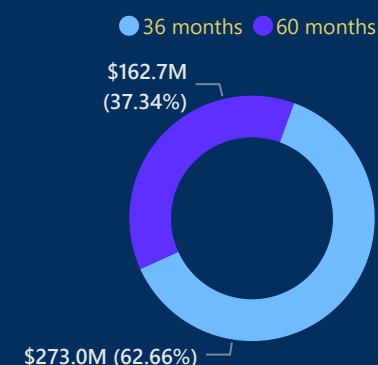
### Total Funded Amount by Month



### Total Funded Amount by State



### Total Funded Amount by Term



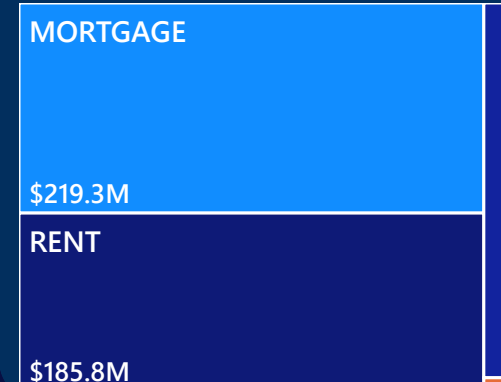
### Total Funded Amount by Employee Length



### Total Funded Amount by Purpose



### Total Funded Amount by home\_ownership



BANK LOAN REPORT | DETAILS



Total Loan Applications

38.6K

MTD

4.3K

MoM

6.9%

Total Funded Amount

\$435.8M

MTD

\$54.0M

MoM

13.0%

Total Amount Received

\$473.1M

MTD

\$58.1M

MoM

15.8%

Avg Interest Rate

12.05%

MTD

12.4%

MoM

3.5%

Avg DTI

13.33%

MTD

13.7%

MoM

2.7%

Menu

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Good v Bad Loan

All



Grade

All



State

All



id	purpose	home_ownership	grade	sub_grade	issue_date	Funded Amount	Int Rate	Sum of installment	Amount
54734	Debt consolidation	RENT	B	B4	Monday, August 09, 2021	\$25,000.0	11.89%	\$829.1	
55742	credit card	RENT	B	B5	Saturday, May 08, 2021	\$7,000.0	10.71%	\$228.2	
57245	Debt consolidation	OWN	C	C2	Wednesday, March 10, 2021	\$1,200.0	13.11%	\$40.5	
57416	Debt consolidation	RENT	C	C3	Tuesday, November 09, 2021	\$10,800.0	13.57%	\$366.9	
58915	Debt consolidation	RENT	B	B3	Thursday, April 08, 2021	\$7,500.0	10.08%	\$162.3	
59006	credit card	MORTGAGE	C	C5	Thursday, September 09, 2021	\$3,000.0	14.26%	\$102.9	
61390	credit card	MORTGAGE	A	A5	Wednesday, February 10, 2021	\$4,000.0	7.88%	\$125.1	
61419	Debt consolidation	RENT	D	D2	Wednesday, February 10, 2021	\$5,600.0	14.96%	\$194.0	
62102	Debt consolidation	RENT	B	B1	Saturday, April 10, 2021	\$3,200.0	9.88%	\$103.1	
65426	car	MORTGAGE	B	B1	Monday, August 09, 2021	\$4,000.0	11.14%	\$131.2	
65640	home improvement	MORTGAGE	C	C2	Saturday, May 08, 2021	\$5,000.0	11.34%	\$87.2	
66431	Debt consolidation	RENT	B	B5	Tuesday, February 09, 2021	\$2,525.0	12.21%	\$84.1	
66749	Debt consolidation	MORTGAGE	C	C4	Wednesday, December 08, 2021	\$10,625.0	13.47%	\$360.4	
66943	Debt consolidation	RENT	B	B4	Tuesday, August 10, 2021	\$2,800.0	11.49%	\$61.6	
66964	Debt consolidation	MORTGAGE	D	D3	Tuesday, June 08, 2021	\$7,500.0	13.24%	\$253.6	
67503	Debt consolidation	MORTGAGE	A	A4	Saturday, October 09, 2021	\$10,000.0	8.59%	\$316.1	
68163	small business	MORTGAGE	A	A3	Wednesday, February 10, 2021	\$3,000.0	7.14%	\$92.8	
68381	Debt consolidation	RENT	A	A5	Monday, March 08, 2021	\$6,625.0	8.63%	\$209.5	
68817	major purchase	MORTGAGE	C	C1	Monday, March 08, 2021	\$10,000.0	11.02%	\$227.5	