



Summary

Overview

Details

State: All

Grade: All

Good Loan Vs Bad Loan: All

Clear filters

Bank Loan Analysis Details

Total Loan Applications
38.6K
MTD: 4.3K, YTD: 6.9%

Total Funded Amount
\$435.8M
MTD: \$54.0M, YTD: 13.0%

Total Amount Received
\$473.1M
MTD: \$58.1M, YTD: 15.8%

Average Interest rate
12.0 %
MTD: 12.4 %, YTD: 3.5 %

Average DTI Ratio
13.3 %
MTD: 13.7 %, YTD: 2.7 %

ID	Purpose	Home Ownership	Grade	Sub Grade	Issue Date	Funded Amount	Interest rate	Installments	Amount Received
54,734	Debt consolidation	RENT	B	B4	9 August, 2021	\$25,000	0.12	240.10	\$26,550
55,742	credit card	RENT	B	B5	8 May, 2021	\$7,000	0.11	238.22	\$8,216
57,245	Debt consolidation	OWN							
57,416	Debt consolidation	RENT							
58,815	Debt consolidation	RENT							
59,006	credit card	MORTGAGE							
61,393	credit card	MORTGAGE							
61,419	Debt consolidation	RENT							
62,102	Debt consolidation	RENT							
65,426	car	MORTGAGE							
65,643	home improvement	MORTGAGE							
66,481	Debt consolidation	RENT							
66,489	Debt consolidation	MORTGAGE							
66,943	Debt consolidation	RENT							
66,964	Debt consolidation	MORTGAGE							
67,503	Debt consolidation	MORTGAGE							

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Good Loans Issued

86.2 %

Good Loans: 33K, Total: \$370.5M, Bad Loans: 5.6K, Total: \$435.8M

Loan Status	Total Loan Applications	Total Funded Amount
Charged Off	5353	\$8.1M
Current	1098	\$1.1M
Fully Paid	32145	\$396.6M
Grand Total	38576	\$435.8M

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Total Funded Amount by Month

Line chart showing growth from Jan to Dec.

Total Loan Applications by State

Map of the United States.

Total Funded Amount by Term

Donut chart showing 10 years (60%) and 15 years (40%).

Total Funded Amount by Emp Working Year

Bar chart showing 10 years (\$18M), 2 years (\$15M), 1 year (\$10M), 3 years (\$10M), 4 years (\$10M), 5 years (\$10M), 7 years (\$10M), 8 years (\$10M).

Total Funded Amount by Purpose

Bar chart showing Debt cons. (\$200M), home im. (\$40M), other (\$40M), small bus. (\$40M), home prop. (\$40M), car (\$40M), wedding (\$40M).

Total Funded Amount by Home ownership

Bar chart showing MORTGAGE (\$213.3M), RENT (\$182.7M).



Bank Loan Analysis

Problem Statement

The bank lacks a centralized and interactive reporting system to effectively monitor and analyze its loan portfolio performance. Key metrics such as **Loan Applications, Funded Amounts, Repayments, Interest Rates, And Borrower Risk Indicators (DTI)** are currently not available in a consolidated, time-driven, and comparative format. This makes it difficult for stakeholders to track **Month-to-Date (MTD) performance, analyze Month-over-Month (MoM) trends, distinguish between good and bad loans, and assess regional and borrower-level patterns.**

The objective of this project is to design comprehensive dashboards that provide clear visibility into overall **Lending Performance, Loan Quality (Good Vs Bad Loans), Regional And Demographic Trends, And Detailed Loan-Level Information.** These dashboards will enable data-driven decision-making, risk assessment, and strategic planning by offering accurate, timely, and actionable insights into the bank's lending operations.

1) Summary Dashboard

Requirements

- Display overall loan performance at a glance
- Track Total Loan Applications, Total Funded Amount, and Total Amount Received
- Show Month-to-Date (MTD) values and Month-over-Month (MoM) changes
- Monitor portfolio risk using Average Interest Rate and Average DTI
- Compare Good Loans vs Bad Loans to assess loan quality
- Provide loan status-wise performance breakdown

Visuals Used

- KPI Cards (Applications, Funded Amount, Amount Received, Avg Interest Rate, Avg DTI)
- Donut Charts (Good Loan % and Bad Loan %)
- Tabular Grid (Loan Status analysis)



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State

All

Grade

All

Purpose

All

Clear Filters

Bank Loan Analysis Summary

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38.6K

MTD

4.3K

MoM

6.9 %

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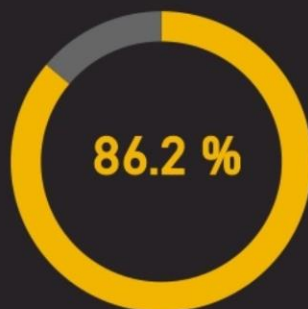
MTD

13.7 %

MoM

2.7 %

Good Loans Issued



Good Loan Applications

33K

Good Loan Funded Amount

\$370.2M

Good Loan Received Amount

\$435.8M

Bad Loans Issued



Bad Loan Applications

5K

Bad Loan Funded Amount

65.5M

Bad Loan Received Amount

\$37.3M

Loan Status

Loan Status	Total Loan Applications	Total Funded Amount	Total Amount Received	MTD Total Funded Amount	MTD Total Amount Received	Avg Interst Rate	Avg DTI
Charged Off	5333	\$65,532,225	\$37,284,763	\$8,732,775	\$5,324,211	13.88 %	14.00 %
Current	1098	\$18,866,500	\$24,199,914	\$3,946,625	\$4,934,318	15.10 %	14.72 %
Fully Paid	32145	\$351,358,350	\$411,586,256	\$41,302,025	\$47,815,851	11.64 %	13.17 %
Grand Total	38576	\$435,757,075	\$473,070,933	\$53,981,425	\$58,074,380		

2) Overview Dashboard

Requirements

- Identify monthly lending trends and seasonality
- Analyze regional performance across states
- Understand loan distribution by term length
- Assess impact of employment length on funded amount
- Analyze loan purposes and home ownership patterns

Visuals Used

- Line Chart (Total Funded Amount by Month)
- Filled Map (Total Loan Applications by State)
- Donut Chart (Funded Amount by Loan Term)
- Bar Chart (Funded Amount by Employment Length)
- Bar Chart (Funded Amount by Loan Purpose)
- Tree Map (Funded Amount by Home Ownership)



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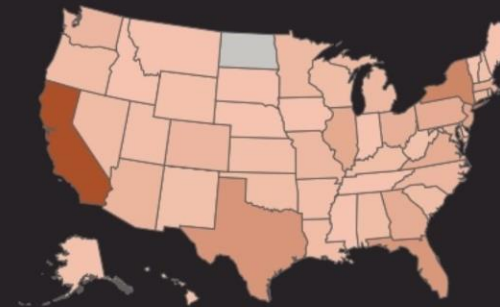
MTD
13.7 %

MoM
2.7 %

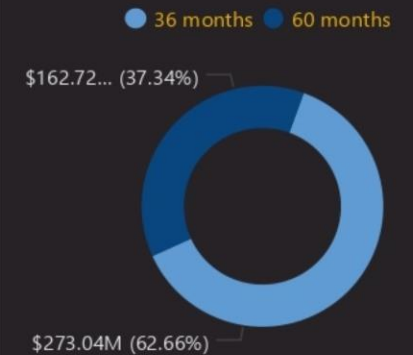
Total Funded Amount by Month



Total Loan Applications by State



Total Funded Amount by Term



Total Funded Amount by Emp Working Year



Total Funded Amount by Purpose



Total Funded Amount by Home ownership



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3) Details Dashboard

Requirements

- Provide a comprehensive loan-level view for detailed analysis
- Enable validation and drill-down into individual loan records
- Support filtering by state, grade, and loan quality
- Allow users to inspect borrower, loan, and repayment details

Visuals Used

- Detailed Table / Grid (Loan-level data)
- Slicers (State, Grade, Good vs Bad Loan)



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ID	Purpose	Home Ownership	Grade	Sub Grade	Issue Date	Funded Amount	Interest rate	Installments	Amount Received
54,734	Debt consolidation	RENT	B	B4	9 August, 2021	\$25,000	0.12	829.10	\$29,330
55,742	credit card	RENT	B	B5	8 May, 2021	\$7,000	0.11	228.22	\$8,216
57,245	Debt consolidation	OWN	C	C2	10 March, 2021	\$1,200	0.13	40.50	\$1,458
57,416	Debt consolidation	RENT	C	C3	9 November, 2021	\$10,800	0.14	366.86	\$13,208
58,915	Debt consolidation	RENT	B	B3	8 April, 2021	\$7,500	0.10	162.34	\$5,844
59,006	credit card	MORTGAGE	C	C5	9 September, 2021	\$3,000	0.14	102.92	\$3,705
61,390	credit card	MORTGAGE	A	A5	10 February, 2021	\$4,000	0.08	125.13	\$4,452
61,419	Debt consolidation	RENT	D	D2	10 February, 2021	\$5,600	0.15	194.02	\$6,475
62,102	Debt consolidation	RENT	B	B1	10 April, 2021	\$3,200	0.10	103.08	\$3,414
65,426	car	MORTGAGE	B	B1	9 August, 2021	\$4,000	0.11	131.22	\$2,755
65,640	home improvement	MORTGAGE	C	C2	8 May, 2021	\$5,000	0.11	87.19	\$3,154
66,431	Debt consolidation	RENT	B	B5	9 February, 2021	\$2,525	0.12	84.12	\$3,028
66,749	Debt consolidation	MORTGAGE	C	C4	8 December, 2021	\$10,625	0.13	360.43	\$12,975
66,943	Debt consolidation	RENT	B	B4	10 August, 2021	\$2,800	0.11	61.57	\$3,144
66,964	Debt consolidation	MORTGAGE	D	D3	8 June, 2021	\$7,500	0.13	253.58	\$9,129
67,503	Debt consolidation	MORTGAGE	A	A4	9 October, 2021	\$10,000	0.0		