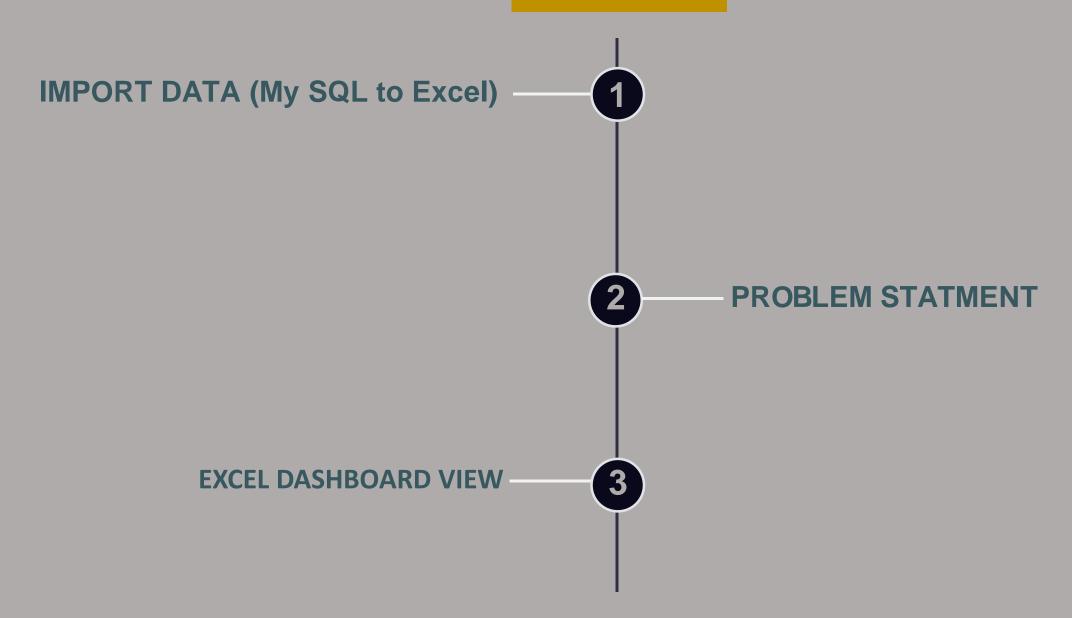


CONTENT



IMPORT DATA













Used ODBC 8.0.37 (windows 32bit) connector to import data in excel workbook from My SQL workbench

Key Performance Indicators (KPIs) Requirements:

- 1. Total Loan Applications: We need to calculate the total number of loan applications received during a specified period.

 Additionally, it is essential to monitor the Month-to-Date (MTD) Loan Applications and track changes Month-over-Month (MoM).
- 2. Total Funded Amount: Understanding the total amount of funds disbursed as loans is crucial. We also want to keep an eye on the MTD Total Funded Amount and analyse the Month-over-Month (MoM) changes in this metric.
- 3. Total Amount Received: Tracking the total amount received from borrowers is essential for assessing the bank's cash flow and loan repayment. We should analyse the Month-to-Date (MTD) Total Amount Received and observe the Month-over-Month (MoM) changes.
- 4. Average Interest Rate: Calculating the average interest rate across all loans, MTD, and monitoring the Month-over-Month (MoM) variations in interest rates will provide insights into our lending portfolio's overall cost.
- 5. Average Debt-to-Income Ratio (DTI): Evaluating the average DTI for our borrowers helps us gauge their financial health.

 We need to compute the average DTI for all loans, MTD, and track Month-over-Month (MoM) fluctuations.

DASHBOARD 1: SUMMARY

Good Loan v Bad Loan KPI's

Good Loan:

- 1. Good Loan Application Percentage
- 2. Good Loan Applications
- 3. Good Loan Funded Amount
- 4. Good Loan Total Received Amount

Bad Loar

- 1. Bad Loan Application Percentage
- 2. Bad Loan Applications
- 3. Bad Loan Funded Amount
- 4. Bad Loan Total Received Amount

Loan Status Grid View

In order to gain a comprehensive overview of our lending operations and monitor the performance of loans, we aim to create a grid view report categorized by 'Loan Status.' By providing insights into metrics such as 'Total Loan Applications,' 'Total Funded Amount,' 'Total Amount Received,' 'Month-to-Date (MTD) Funded Amount,' 'MTD Amount Received,' 'Average Interest Rate,' and 'Average Debt-to-Income Ratio (DTI),' this grid view will empower us to make data-driven decisions and assess the health of our loan portfolio.

DASHBOARD 2: OVERVIEW

CHARTS

- 1. Monthly Trends by Issue Date (Line Chart): To identify seasonality and long-term trends in lending activities
- 2. Regional Analysis by State (Filled Map): To identify regions with significant lending activity and assess regional disparities
- 3. Loan Term Analysis (Donut Chart): To allow the client to understand the distribution of loans across various term lengths.
- **4. Employee Length Analysis (Bar Chart):** How lending metrics are distributed among borrowers with different employment lengths, helping us assess the impact of employment history on loan applications.
- **5.** Loan Purpose Breakdown (Bar Chart): Will provide a visual breakdown of loan metrics based on the stated purposes of loans, aiding in the understanding of the primary reasons borrowers seek financing.
- **6.** Home Ownership Analysis (Tree Map): For a hierarchical view of how home ownership impacts loan applications and disbursements.

Metrics to be shown: 'Total Loan Applications,' 'Total Funded Amount,' and 'Total Amount Received'

DASHBOARD 3: DETAILS

GRID

Elaborated 'Details Dashboard' that provides a consolidated view of all the essential information within our loan data. This Details Dashboard aims to offer a holistic snapshot of key loan-related metrics and data points, enabling users to access critical information efficiently.

Objective:

The primary objective of the Details Dashboard is to provide a comprehensive and user-friendly interface for accessing vital loan data. It will serve as a one-stop solution for users seeking detailed insights into our loan portfolio, borrower profiles, and loan performance.

KEY INSIGHTS

DASHBOARD 3: DETAILS

GRID

Elaborated 'Details Dashboard' that provides a consolidated view of all the essential information within our loan data. This Details Dashboard aims to offer a holistic snapshot of key loan-related metrics and data points, enabling users to access critical information efficiently.

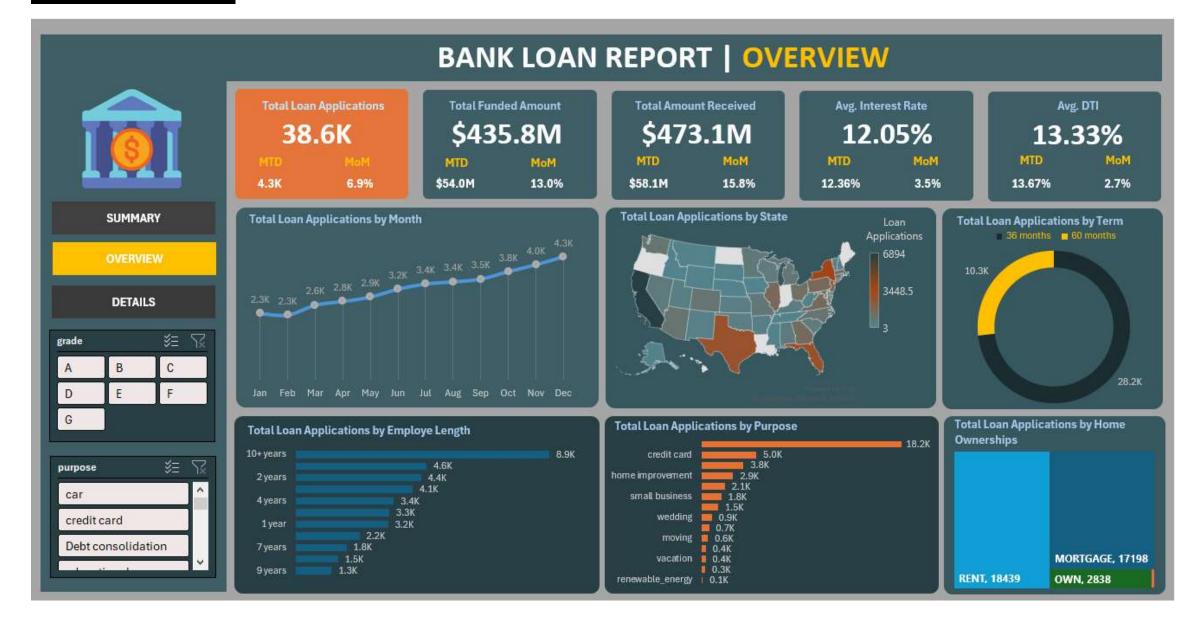
Objective:

The primary objective of the Details Dashboard is to provide a comprehensive and user-friendly interface for accessing vital loan data. It will serve as a one-stop solution for users seeking detailed insights into our loan portfolio, borrower profiles, and loan performance.

EXCEL

BANK LOAN REPORT | SUMMARY Total Loan Applications Total Funded Amount Total Amount Received Avg. Interest Rate Avg. DTI \$435.8M \$473.1M 13.33% 38.6K 12.05% MTD MoM MoM MTD MTD 13.0% 4.3K 6.9% \$54.0M \$58.1M 15.8% 12.36% 3.5% 13.67% 2.7% SUMMARY **BAD LOAN ISSUED GOOD LOAN ISSUED Good Loan Total Applications Bad Loan Total Applications** OVERVIEW 33.2K 5.3K DETAILS **Good Loan Funded Amount Bad Loan Funded Amount** 86.18% \$370.2M 13.82% \$65.5M grade В Good Loan Amount Received **Bad Loan Amount Received** D Е \$435.8M \$37.3M G LOAN APPLICATIONS purpose **FUNDED AMOUNT** AMOUNT RECEIVED INTEREST RATE DTI car \$351. Fully Paid 32.1K 13.17% credit card \$65.5M \$37.3M Charged Off Debt consolidation \$18.9M \$24.2M 15.10%

EXCEL





| | D | E | F | G | Н | 1 | J | K | L | M | N O | Р | Q | R | S | Т | U [|
|----|--------------|---------------------------------|------------------------|-----------|-------------------------|-----------------------------|-----------------------------|-------------|----------------|-----------------------------|--------------------|--------|-----------|------------------|-----------------|---------------|---------|
| 1 | emp_length 💌 | emp_title | ▼ grad ▼ | home_ov ▼ | issue_da <mark>▼</mark> | last_cred <mark> ▼</mark> l | ast_payme <mark>▼</mark> lo | an_status 💌 | Good vs Bad Lo | next_payme <mark>▼</mark> n | nember_i 🔻 purpo 🕥 | sub_ v | term ▼ | verification_sta | annual_in 🔽 dti | ▼ inst | tallm 🔽 |
| 2 | < 1 year | Ryder | С | RENT | 11/02/2021 | 13/09/2021 | 13/04/2021 CI | harged Off | Bad Loan | 13/05/2021 | 1314167 car | C4 | 60 months | Source Verified | 30000 | 0.01 | 59.83 |
| 3 | 9 years | MKC Accounting | E | RENT | 01/01/2021 | 14/12/2021 | 15/01/2021 Fu | ully Paid | Good Loan | 15/02/2021 | 1288686 car | E1 | 36 months | Source Verified | 48000 0.0 |)535 | 109.43 |
| 4 | 4 years | Chemat Technology Inc | С | RENT | 05/01/2021 | 12/12/2021 | 09/01/2021 CI | harged Off | Bad Loan | 09/02/2021 | 1304116 car | C5 | 36 months | Not Verified | 50000 0.2 | 2088 | 421.65 |
| 5 | < 1 year | barnes distribution | В | MORTGAGE | 25/02/2021 | 12/12/2021 | 12/03/2021 Fu | ully Paid | Good Loan | 12/04/2021 | 1272024 car | B2 | 60 months | Source Verified | 42000 0 | .054 | 97.06 |
| 6 | 10+ years | J&J Steel Inc | Α | MORTGAGE | 01/01/2021 | 14/12/2021 | 15/01/2021 Fu | ully Paid | Good Loan | 15/02/2021 | 1302971 car | A1 | 36 months | Verified | 83000 0.0 | 231 | 106.53 |
| 7 | 3 years | Studio 94 Corp | С | RENT | 17/07/2021 | 16/03/2021 | 12/08/2021 Fu | ully Paid | Good Loan | 12/09/2021 | 1294481 car | C3 | 36 months | Not Verified | 28000 0 | .126 | 275.96 |
| 8 | 10+ years | American Airlines | С | MORTGAGE | 19/11/2021 | 14/06/2021 | 13/12/2021 Fu | ully Paid | Good Loan | 13/01/2022 | 1301833 car | C2 | 36 months | Verified | 94800 0.2 | 453 | 205.86 |
| 9 | 10+ years | SCI Mahanoy | Α | OWN | 11/06/2021 | 14/07/2021 | 14/07/2021 Fu | ully Paid | Good Loan | 14/08/2021 | 1291243 car | A4 | 36 months | Source Verified | 59000 0.0 |)665 | 172.1 |
| 10 | 10+ years | Tech Data Corp | Α | MORTGAGE | 02/09/2021 | 15/06/2021 | 12/10/2021 C | harged Off | Bad Loan | 12/11/2021 | 1299335 car | A5 | 36 months | Verified | 116400 0.0 | 394 | 762.08 |
| 11 | 10+ years | teltow contracting | В | MORTGAGE | 09/02/2021 | 16/03/2021 | 16/03/2021 Fu | ully Paid | Good Loan | 16/04/2021 | 1298401 car | B5 | 60 months | Not Verified | 36000 0.1 | 773 | 93.21 |
| 12 | 10+ years | Ericsson | В | MORTGAGE | 22/07/2021 | 13/09/2021 | 13/08/2021 Fu | ully Paid | Good Loan | 13/09/2021 | 1289131 car | B5 | 36 months | Not Verified | 75000 0 | .088 | 181.15 |
| 13 | 3 years | myrvpartsplace.com | В | RENT | 11/09/2021 | 13/03/2021 | 12/10/2021 CI | harged Off | Bad Loan | 12/11/2021 | 1295018 car | B4 | 36 months | Not Verified | 75000 0.2 | 288 | 374.26 |
| 14 | 4 years | AEG LIVE | В | | 11/08/2021 | 13/10/2021 | 13/09/2021 Fu | ully Paid | Good Loan | 13/10/2021 | 1294929 car | B3 | 36 months | Not Verified | 35000 0.0 | | 165.38 |
| 15 | 5 years | henkel corporation | В | RENT | 11/12/2021 | 14/12/2021 | 14/12/2021 Fu | ully Paid | Good Loan | 14/01/2022 | 1249642 car | B5 | 36 months | Not Verified | 48000 0.1 | 533 | 268.36 |
| 16 | 4 years | AXA Assistance | В | RENT | 11/10/2021 | 14/12/2021 | 14/12/2021 Fu | ully Paid | Good Loan | 14/01/2022 | 1293124 car | B4 | 36 months | Not Verified | 92000 0 | .106 | 200.5 |
| 17 | < 1 year | HSA-UWC | В | RENT | 11/12/2021 | 14/02/2021 | 13/10/2021 CI | harged Off | Bad Loan | 13/11/2021 | 1292578 car | B4 | 36 months | Source Verified | 60000 0 | .063 | 400.99 |
| 18 | 1 year | Child's Day | В | RENT | 02/12/2021 | 16/04/2021 | 14/12/2021 Fu | ully Paid | Good Loan | 14/01/2022 | 1277552 car | B1 | 36 months | Verified | 16800 0 | .035 | 98.29 |
| 19 | 4 years | OEC Freight | С | RENT | 09/10/2021 | 15/09/2021 | 12/11/2021 Fu | ully Paid | Good Loan | 12/12/2021 | 1291775 car | C2 | 36 months | Source Verified | 40000 0.1 | .869 | 343.09 |
| 20 | 10+ years | Sandestin Beach Hilton | В | MORTGAGE | 12/12/2021 | 14/12/2021 | 14/12/2021 Fu | ully Paid | Good Loan | 14/01/2022 | 1291322 car | B2 | 36 months | Verified | 35000 0.1 | | 162.87 |
| 21 | 10+ years | | D | OWN | 02/02/2021 | 16/05/2021 | 15/02/2021 Fu | ully Paid | Good Loan | 15/03/2021 | 1289636 car | D1 | 36 months | Not Verified | 40000 0.0 | | 176.51 |
| 22 | 6 years | Norman G. Olson Insurance | Α | RENT | 07/07/2021 | 16/04/2021 | 10/08/2021 Fu | ully Paid | Good Loan | 10/09/2021 | 112227 car | A2 | 36 months | Not Verified | 40000 0.0 | 255 | 155.38 |
| 23 | < 1 year | | Α | MORTGAGE | 08/01/2021 | 16/05/2021 | 10/02/2021 CI | harged Off | Bad Loan | 10/03/2021 | 183496 car | A2 | 36 months | Not Verified | 120000 0.0 | | 69.14 |
| 24 | < 1 year | Infotrieve, Inc. | В | MORTGAGE | 09/08/2021 | 16/05/2021 | 11/06/2021 CI | harged Off | Bad Loan | 11/07/2021 | 232106 car | B1 | 36 months | Not Verified | 60000 0.1 | | 131.22 |
| | 4 years | self employed | С | OWN | 08/01/2021 | | 08/08/2021 CI | | Bad Loan | 08/09/2021 | 211606 car | C2 | 36 months | Not Verified | 72000 0.0 | 512 | 262.26 |
| 26 | 10+ years | Clark County School District | Α | MORTGAGE | 11/01/2021 | 13/02/2021 | 12/08/2021 CI | harged Off | Bad Loan | 12/09/2021 | 847024 car | A5 | 36 months | Not Verified | 70800 0.0 | | 77.95 |
| 27 | 6 years | The Mount Sinai School of Medic | in A | MORTGAGE | 11/11/2021 | 13/11/2021 | 13/06/2021 CI | harged Off | Bad Loan | 13/07/2021 | 1233120 car | A3 | 36 months | Not Verified | 80000 0.0 | | 124.45 |
| 28 | < 1 year | Blue Ridge Design Group | Α | MORTGAGE | 09/06/2021 | 16/05/2021 | 09/12/2021 CI | harged Off | Bad Loan | 09/01/2022 | 454145 car | A5 | 36 months | Not Verified | 36000 | | 385.14 |
| 29 | 10+ years | Abbott Nutrition | Α | MORTGAGE | 09/10/2021 | 16/05/2021 | 12/02/2021 CI | | Bad Loan | 12/03/2021 | 544784 car | A5 | 36 months | Not Verified | 45000 0 | | 222.41 |
| 30 | 3 years | rice &werthmann | Α | MORTGAGE | 11/01/2021 | 16/05/2021 | 13/10/2021 CI | | Bad Loan | 13/11/2021 | 843127 car | A5 | 36 months | Not Verified | 86400 0.0 | | 280.62 |
| | 6 years | Five County Assoc of Governmen | its A | | 11/06/2021 | | 12/07/2021 CI | | Bad Loan | 12/08/2021 | 985412 car | A5 | 36 months | Not Verified | 24600 0.0 | | 152.42 |
| 32 | < 1 year | north ga dentention center | В | MORTGAGE | 10/01/2021 | 10/11/2021 | 10/07/2021 CI | | Bad Loan | 10/08/2021 | 570309 car | B2 | 36 months | Not Verified | 30000 0.0 | | 164.85 |
| | 6 years | | В | MORTGAGE | 11/05/2021 | 16/05/2021 | 13/01/2021 CI | | Bad Loan | 13/02/2021 | 942813 car | B4 | 36 months | Not Verified | 48000 0.2 | | 197.83 |
| | 6 years | sky powersports | С | | 11/11/2021 | | 13/12/2021 CI | harged Off | Bad Loan | 13/01/2022 | 1255647 car | C3 | 36 months | Not Verified | 60000 0.0 | | 217.32 |
| 35 | 2 years | Synovus Bank | D | MORTGAGE | 10/03/2021 | 12/12/2021 | 12/07/2021 CI | | Bad Loan | 12/08/2021 | 624878 car | D4 | 36 months | Not Verified | 34000 0.1 | | 210.07 |
| | < 1 year | ACUMEN FISCAL AGENT/MS ROBI | | OWN | 10/05/2021 | 12/01/2021 | 11/08/2021 CI | harged Off | Bad Loan | 11/09/2021 | 671773 car | A5 | 36 months | Not Verified | 18000 0 | | 148.59 |
| 37 | 10+ years | inspired automation inc | Α | OWN | 10/01/2021 | 12/03/2021 | 11/10/2021 CI | harged Off | Bad Loan | 11/11/2021 | 593245 car | A1 | 36 months | Not Verified | 43800 0.0 | 1737 | 148.32 |

Thank You!







