# BANK REPORT QUERY

### SUMMARY

#### MAIN KPI’S

**Total applications:**

SELECT COUNT(id) AS total\_applications FROM bank\_loan\_data



**Month-to-day applications (MTD):**

SELECT COUNT(id) AS mtd\_applications FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021



**Previous-month-to-day applications (PMTD):**



SELECT COUNT(id) AS pmtd\_applications FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021

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**Total funded amount:**



SELECT SUM(loan\_amount) AS total\_funded\_amount FROM bank\_loan\_data

**MTD total funded amount:**



SELECT SUM(loan\_amount) AS mtd\_total\_funded\_amount FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021

**PMTD total funded amount:**



SELECT SUM(loan\_amount) AS pmtd\_total\_funded\_amount FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021

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**Total received amount:**



SELECT SUM(total\_payment) AS total\_received\_amount FROM bank\_loan\_data

**MTD total received amount:**



SELECT SUM(total\_payment) AS mtd\_total\_received\_amount FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021

**PMTD total received amount:**



SELECT SUM(total\_payment) AS pmtd\_total\_received\_amount FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021

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**Average interest rate:**



SELECT ROUND(AVG(int\_rate),4) \* 100 AS average\_interest\_rate FROM bank\_loan\_data

**Average MTD interest rate:**



SELECT ROUND(AVG(int\_rate),4) \* 100 AS mtd\_average\_int\_rate FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021

**Average PMTD interest rate:**



SELECT ROUND(AVG(int\_rate),4) \* 100 AS pmtd\_average\_int\_rate FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021

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**Average DTI:**



SELECT ROUND(AVG(dti),4) \* 100 AS average\_dti FROM bank\_loan\_data

**Average MTD DTI:**



SELECT ROUND(AVG(dti),4) \* 100 AS mtd\_average\_dti FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021

**Average PMTD DTI:**



SELECT ROUND(AVG(dti),4) \* 100 AS pmtd\_average\_dti FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021

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#### PERFORMING LOANS

**Performing loans percentage:**



SELECT

(COUNT(CASE WHEN loan\_status = 'Current' OR loan\_status = 'Fully Paid'

THEN id END) \* 100.0) / COUNT(id) AS performing\_loans\_percentage

FROM bank\_loan\_data

**Performing loans applications:**



SELECT COUNT(id) AS performing\_loans\_applications

FROM bank\_loan\_data

WHERE loan\_status = 'Current' OR loan\_status = 'Fully Paid'

**Performing loans funded amount:**



SELECT SUM(loan\_amount) AS performing\_loans\_funded\_amount

FROM bank\_loan\_data

WHERE loan\_status = 'Current' OR loan\_status = 'Fully Paid'

**Performing loans received amount:**



SELECT SUM(total\_payment) AS performing\_loans\_received\_amount

FROM bank\_loan\_data

WHERE loan\_status = 'Current' OR loan\_status = 'Fully Paid'

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#### NON-PERFORMING LOANS

**Non-performing loans percentage:**



SELECT

(COUNT(CASE WHEN loan\_status = 'Charged Off' THEN id END) \* 100.0) / COUNT(id) AS non\_performing\_loans\_percentage

FROM bank\_loan\_data

**Non-performing loans applications:**



SELECT COUNT(id) AS non\_performing\_loans\_applications

FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off'

**Non-performing loans funded amount:**



SELECT SUM(loan\_amount) AS non\_performing\_loans\_funded\_amount

FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off'

**Non-performing loans received amount:**



SELECT SUM(total\_payment) AS non\_performing\_loans\_received\_amount

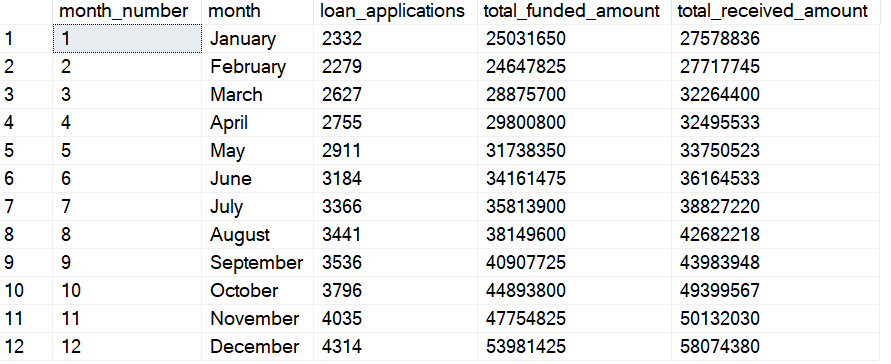
FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off'

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### OVERVIEW

#### MONTH



SELECT

MONTH(issue\_date) AS month\_number,

DATENAME(MONTH, issue\_date) AS month,

COUNT(id)AS loan\_applications,

SUM(loan\_amount) AS total\_funded\_amount,

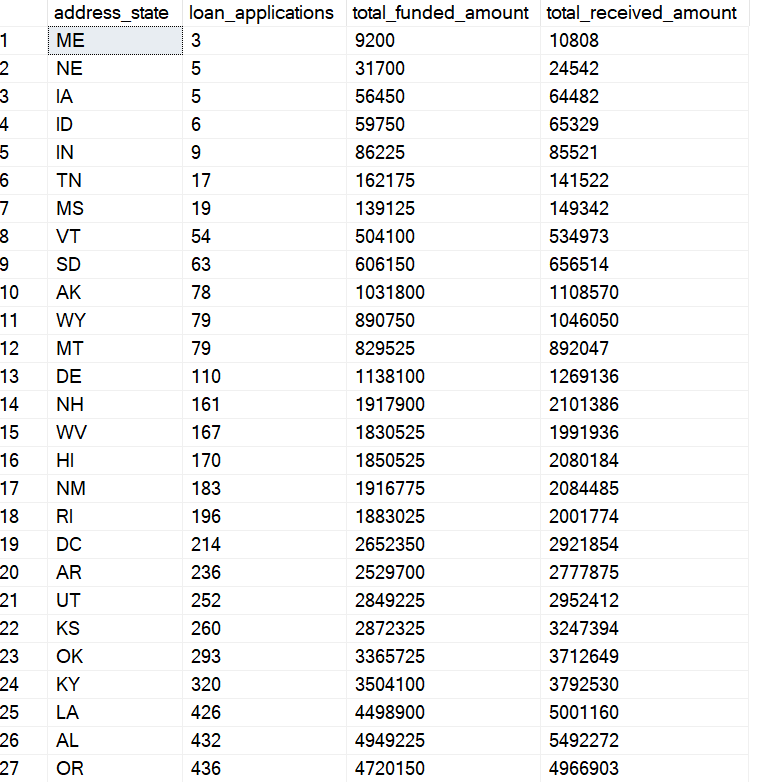
SUM(total\_payment) AS total\_received\_amount

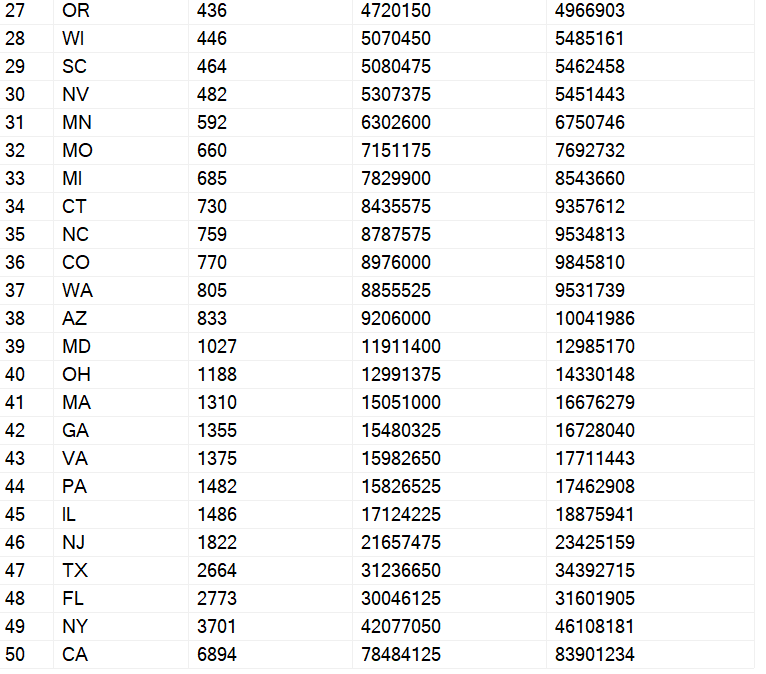
FROM bank\_loan\_data

GROUP BY MONTH(issue\_date), DATENAME(MONTH, issue\_date)

ORDER BY MONTH(issue\_date)

#### STATE





SELECT

address\_state,

COUNT(id)AS loan\_applications,

SUM(loan\_amount) AS total\_funded\_amount,

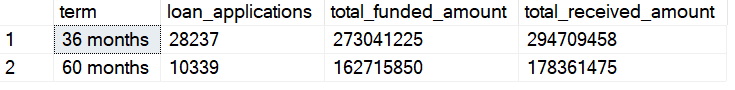
SUM(total\_payment) AS total\_received\_amount

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY COUNT(id) DESC

#### TERM



SELECT

term,

COUNT(id)AS loan\_applications,

SUM(loan\_amount) AS total\_funded\_amount,

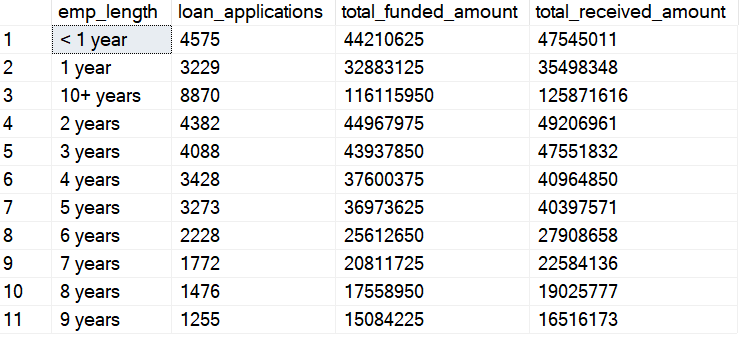
SUM(total\_payment) AS total\_received\_amount

FROM bank\_loan\_data

GROUP BY term

ORDER BY term

#### EMPLOYMENT



SELECT

emp\_length,

COUNT(id)AS loan\_applications,

SUM(loan\_amount) AS total\_funded\_amount,

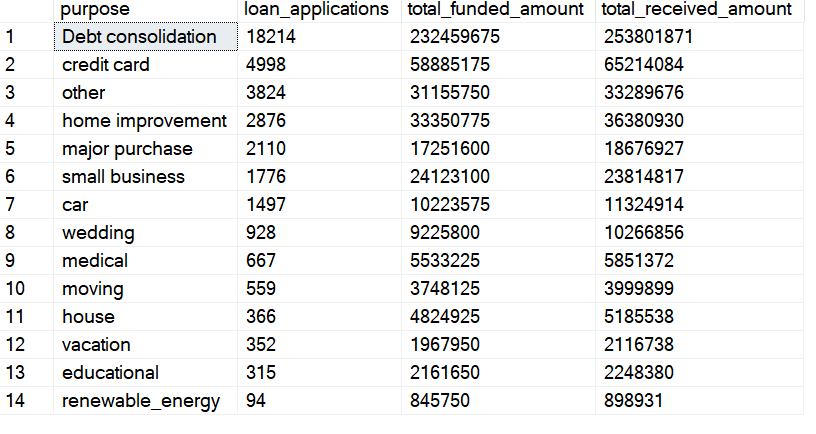
SUM(total\_payment) AS total\_received\_amount

FROM bank\_loan\_data

GROUP BY emp\_length

ORDER BY emp\_length

#### PURPOSE



SELECT

purpose,

COUNT(id)AS loan\_applications,

SUM(loan\_amount) AS total\_funded\_amount,

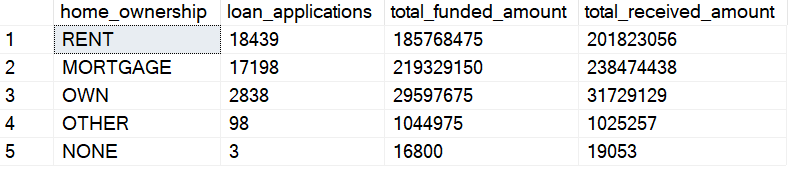
SUM(total\_payment) AS total\_received\_amount

FROM bank\_loan\_data

GROUP BY purpose

ORDER BY COUNT(id) DESC

#### HOME OWNERSHIP



SELECT

home\_ownership,

COUNT(id)AS loan\_applications,

SUM(loan\_amount) AS total\_funded\_amount,

SUM(total\_payment) AS total\_received\_amount

FROM bank\_loan\_data

GROUP BY home\_ownership

ORDER BY COUNT(id) DESC