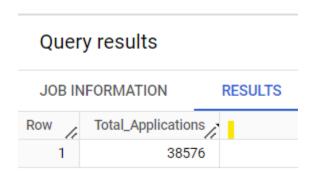
BANK LOAN REPORT QUERY DOCUMENT

BANK LOAN REPORT | SUMMARY

KPIs

TOTAL APPLICATIONS



TOTAL MTD APPLICATIONS

```
SELECT Count(Distinct id) as Total_MTD_Applications

FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE issue_date BETWEEN '2021-12-01' and '2021-12-31'

Query results

JOB INFORMATION RESULTS

Row Total_MTD_Application

1 4314
```

MTD TOTAL FUNDED

```
SELECT sum(loan_amount) as MTD_Total_Funded_Amount
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE issue_date BETWEEN '2021-12-01' and '2021-12-31'
```

JOB IN	FORMATION	RESULTS
Row /	MTD_Total_Funded	ę.
1	53981425	

PMTD TOTAL FUNDED AMOUNT

```
SELECT sum(loan_amount) as PMTD_Total_Funded_Amount
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE issue_date BETWEEN '2021-11-01' and '2021-11-30'
```

Query results

JOB IN	FORMATION	RESULTS
Row /	PMTD_Total_Fun	ded
1	4775482	25

TOTAL MONEY RECEIVED

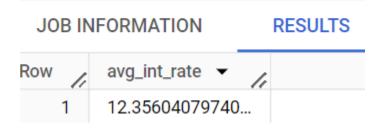
```
SELECT sum(total_payment) as Total_Money_Receieved_By_Bank
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE issue_date BETWEEN '2021-12-01' and '2021-12-31'
```

Query results

JOB INFORMATION RESU Row Total_Money_Receipt 1 58074380

AVG INT RATE

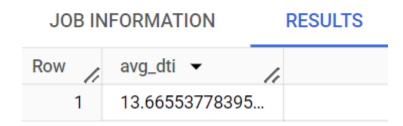
```
SELECT AVG(int_rate)*100 as avg_int_rate
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE issue_date BETWEEN '2021-12-01' and '2021-12-31'
```



AVG DTI

```
SELECT AVG(dti)*100 as avg_dti
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE issue_date BETWEEN '2021-12-01' and '2021-12-31'
```

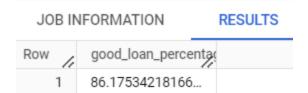
Query results



GOOD LOANS

Good Loan Percentage

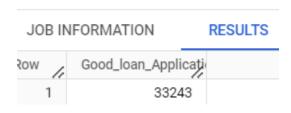
```
SELECT Count(CASE WHEN loan_status = 'Fully Paid'then id
WHEN loan_status= 'Current'then id END)*100 / count(id) as good_loan_percentage
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
```



Good Ioan Application'

```
SELECT count(id) as Good_loan_Application
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE loan_status = "Fully Paid" OR loan_status= "Current"
```

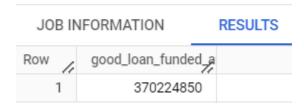
Query results



Good Loan funded Amount

```
SELECT sum(loan_amount) as good_loan_funded_amount
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE loan_status = "Fully Paid" OR loan_status= "Current"
```

Query results



Good Loan Amount Received

```
SELECT sum(total_payment) as good_loan_amount_received
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE loan_status = "Fully Paid" OR loan_status= "Current"
```

Query results JOB INFORMATION RESULTS Row good_loan_amount_ 1 435786170

BAD LOAN

Bad Loan Percentage

```
SELECT
COUNT(CASE WHEN loan_status = "Charged Off" then id end)*100 / count(id) as
Bad_Loan_Percentage
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
```

Query results

JOB IN	JOB INFORMATION	
Row /	Bad_Loan_Percen	tac
1	13.82465781833	

Bad Loan Application

```
'SELECT count(id) as bad_loan_applications
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE loan_status = "Charged Off"
```

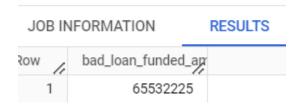
Query results

JOB IN	JOB INFORMATION	
Row /	bad_loan_application	h.
1	5333	

Bad Loan Funded Amount

 ${\tt SELECT~Sum}(loan_amount)~as~bad_loan_funded_amount$

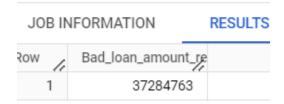
```
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE loan_status = "Charged Off"
```



Bad Loan Amount Received

```
SELECT Sum(total_payment) as Bad_loan_amount_received
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
WHERE loan_status = "Charged Off"
```

Query results



SUMMARY

```
SELECT
```

```
loan_status,
Count(id) as Loan_Count,
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 Average_dti
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
GROUP BY loan_status
```

JOB IN	IFORMATION	RESULTS	CHART J	SON EXECUT	ON DETAILS	EXECUTION GRAPH	
Now /	loan_status ▼	11	Loan_Count ▼	Total_Amount_Received	Total_Funded_Amou	r Interest_rate ▼ //	Average_dti ▼
1	Fully Paid		32145	411586256	351358350	11.64107077305	13.16735075439
2	Charged Off		5333	37284763	65532225	13.87857491093	14.00473279579
3	Current		1098	24199914	18866500	15.09932604735	14.72434426229

SUMMARY MTD

SELECT

```
loan_status,
```

```
{\color{red} \textbf{Sum}}(\textbf{total\_payment}) \ \textbf{as} \ \textbf{MTD\_Total\_Amount\_Received} \ ,
```

Sum(loan_amount) as MTD_Total_Funded_Amount,

FROM `sql-project-413513.Financial_Analytics.Loan Repayment`

WHERE issue_date between '2021-12-01' and '2021-12-31'

GROUP BY loan_status

Query results

JOB II	NFORMATION	RESULTS	CHART J	SON EXECUT	ION DETAILS
Row /	loan_status ▼	li	MTD_Total_Amount_	MTD_Total_Funded	
1	Fully Paid		47815851	41302025	
2	Charged Off		5324211	8732775	
3	Current		4934318	3946625	

OBANK LOAN REPORT | OVERVIEW

MONTH

```
SELECT
```

```
FORMAT_DATETIME ("%B",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 `sql-project-413513.Financial_Analytics.Loan Repayment`

GROUP BY FORMAT_DATETIME ("%B" ,issue_date)
```

Query results

JOB IN	FORMATION	RESULTS	CHART J	SON EXECUTION	ON DETAILS	EXECUTION
Row /	month_name 🔻	11	Total_Loan_Applic	Total_Funded_Amogi	Total_Received_Any	Þ
1	December		4314	53981425	58074380	
2	August		3441	38149600	42682218	
3	February		2279	24647825	27717745	
4	July		3366	35813900	38827220	
5	April		2755	29800800	32495533	
6	May		2911	31738350	33750523	
7	June		3184	34161475	36164533	
8	September		3536	40907725	43983948	
9	October		3796	44893800	49399567	
10	November		4035	47754825	50132030	
11	January		2332	25031650	27578836	
12	March		2627	28875700	32264400	

STATE

```
address_state,
count(id) as Total_Loan_Application,
Sum(loan_amount) as Total_Funded_Amount,
```

```
Sum(total_payment) as Total_Received_Amount,
 FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
 GROUP BY address_state
 ORDER BY address_state
```

JOB IN	FORMATION	RESULTS	CHART J		ON DETAILS	EXEC
Row /	address_state ▼	le	Total_Loan_Applicati	Total_Funded_Amou	Total_Received_Am	a
1	AK		78	1031800	1108570	
2	AL		432	4949225	5492272	
3	AR		236	2529700	2777875	
4	AZ		833	9206000	10041986	
5	CA		6894	78484125	83901234	
6	CO		770	8976000	9845810	
7	CT		730	8435575	9357612	
8	DC		214	2652350	2921854	
9	DE		110	1138100	1269136	
10	FL		2773	30046125	31601905	
11	GA		1355	15480325	16728040	
12	HI		170	1850525	2080184	
13	IA		5	56450	64482	
14	ID		6	59750	65329	
15	IL		1486	17124225	18875941	
16	IN		9	86225	85521	

```
TERM
```

```
term,
count(id) as Total_Loan_Application,
Sum(loan_amount) as Total_Funded_Amount,
Sum(total_payment) as Total_Received_Amount,
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
```

J(OB IN	FORMATION	RESULTS	CHART J	SON EXECUTI	ON DETAILS	EXECUTI
Row	1	term ▼	11	Total_Loan_Applicati	Total_Funded_Amou	Total_Received_Amo	
	1	36 months		28237	273041225	294709458	
	2	60 months		10339	162715850	178361475	

EMPLOYEE LENGTH

SELECT

```
emp_length,
```

ORDER BY count(id) DESC

```
count(id) as Total_Loan_Application,
Sum(loan_amount) as Total_Funded_Amount,
Sum(total_payment) as Total_Received_Amount,
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
 GROUP BY emp_length
```

JOB IN	IFORMATION	RESULTS	CHART J	SON EXECUTION	ON DETAILS	EXEC
Row /	emp_length ▼	11	Total_Loan_Applicati	Total_Funded_Amou	Total_Received_Amo)
1	10+ years		8870	116115950	125871616	
2	< 1 year		4575	44210625	47545011	
3	2 years		4382	44967975	49206961	
4	3 years		4088	43937850	47551832	
5	4 years		3428	37600375	40964850	
6	5 years		3273	36973625	40397571	
7	1 year		3229	32883125	35498348	
8	6 years		2228	25612650	27908658	
9	7 years		1772	20811725	22584136	
10	8 years		1476	17558950	19025777	
11	9 years		1255	15084225	16516173	

PURPOSE

```
purpose,
count(id) as Total_Loan_Application,
Sum(loan_amount) as Total_Funded_Amount,
Sum(total_payment) as Total_Received_Amount,
FROM `sql-project-413513.Financial_Analytics.Loan Repayment`
GROUP BY purpose
ORDER BY count(id)
```

Query results JSON JOB INFORMATION RESULTS CHART EXECUTION DETAILS EXECUTION Row / Total_Loan_Applicati purpose ▼ Total_Funded_Amoul Total_Received_Amo renewable_energy educational vacation house moving medical wedding small business major purchase home improvement other credit card

HOME OWNERSHIP

Debt consolidation

```
home_ownership,

count(id) as Total_Loan_Application,

Sum(loan_amount) as Total_Funded_Amount,

Sum(total_payment) as Total_Received_Amount,

FROM `sql-project-413513.Financial_Analytics.Loan Repayment`

GROUP BY home_ownership
```

JOB IN	FORMATION	RESULTS	CHART J	SON EXECUTION	ON DETAILS	EXEC
Row /	home_ownership	· //	Total_Loan_Applicati	Total_Funded_Amou	Total_Received_Amo)
1	RENT		18439	185768475	201823056	
2	MORTGAGE		17198	219329150	238474438	
3	OWN		2838	29597675	31729129	
4	OTHER		98	1044975	1025257	
5	NONE		3	16800	19053	