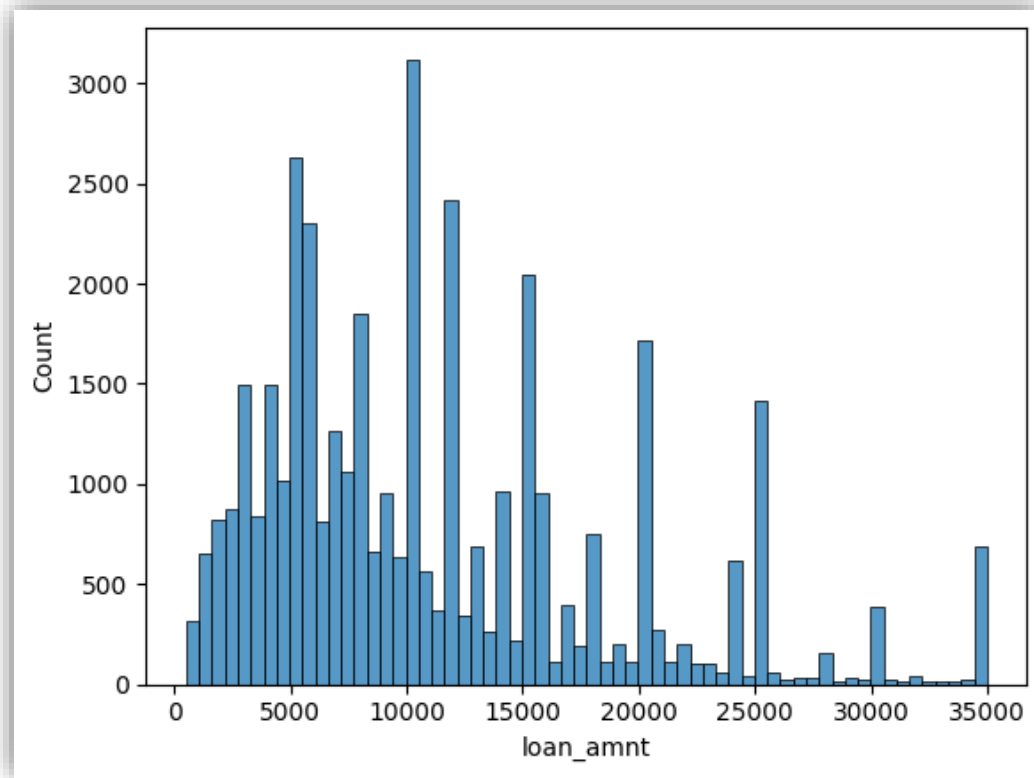
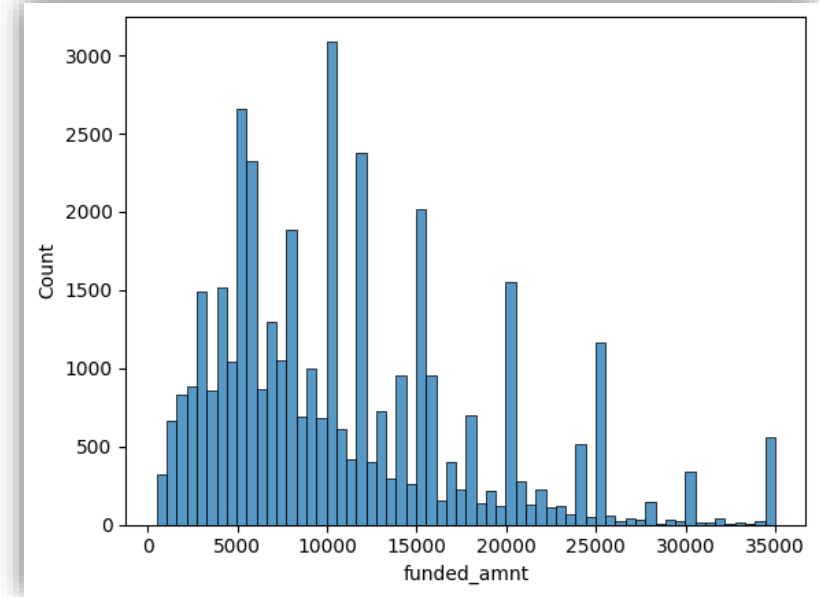


# UNIVARIANT ANALYSIS

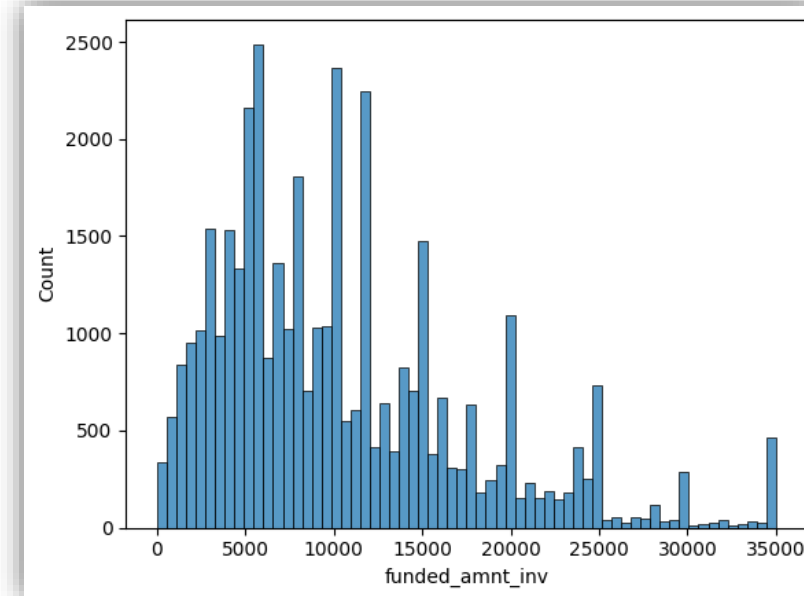
# LOAN AMOUNT



FUNDED AMOUNT

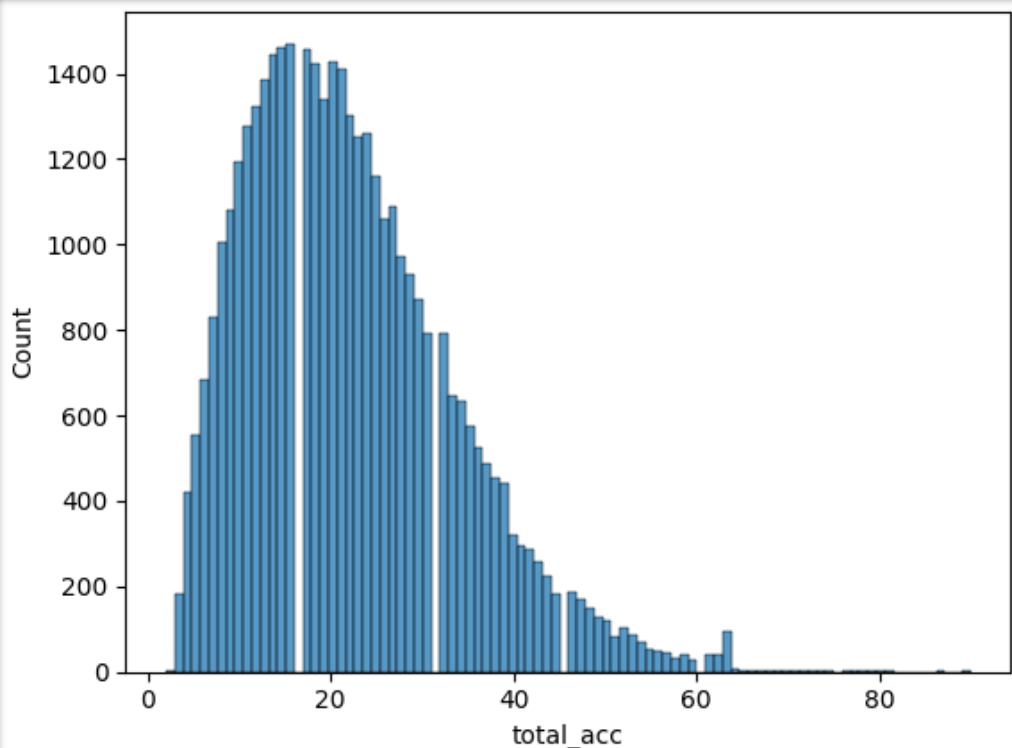


Funded Amnt\_Inv

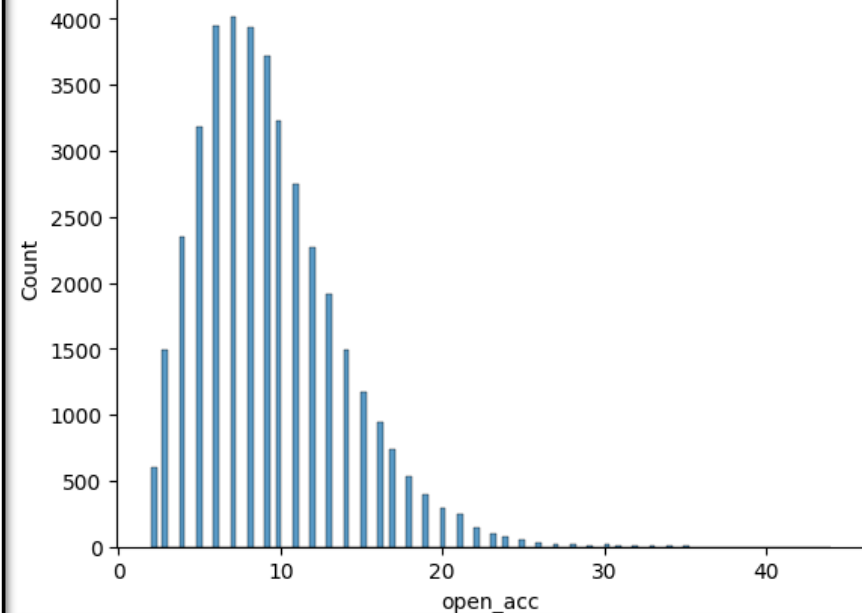


Loan Amount Vs Funded amount and Funder amount inv

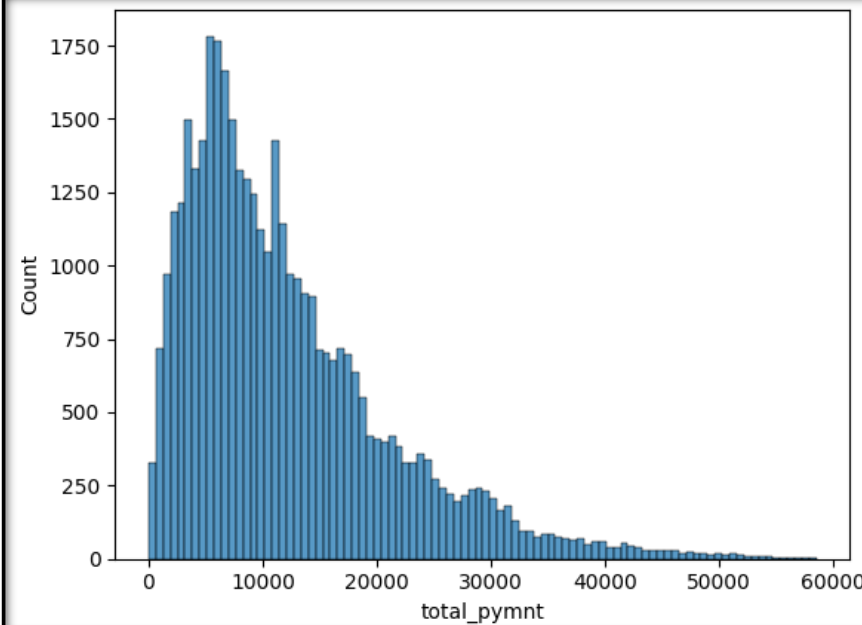
# Total\_Acc



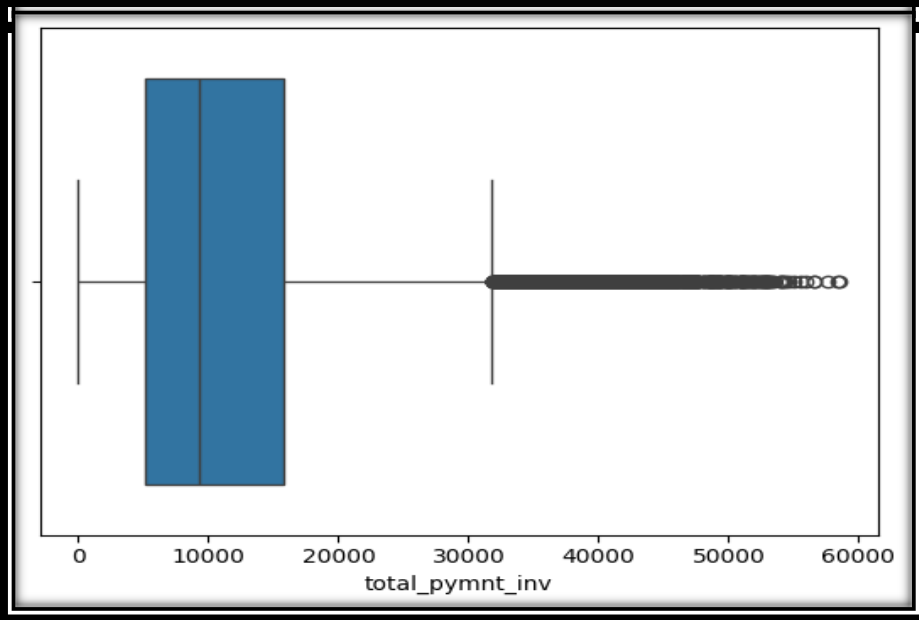
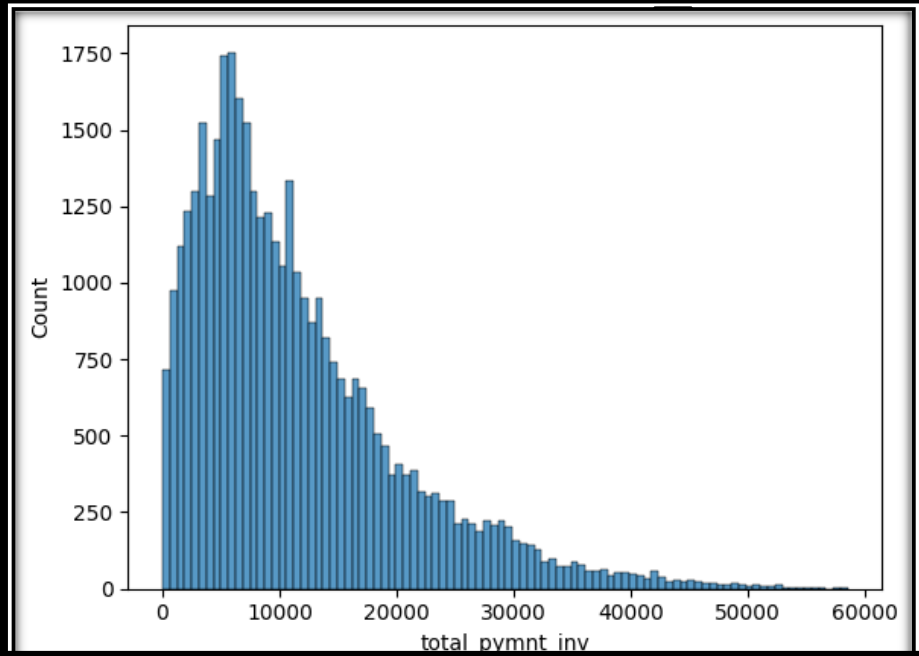
Open\_Acc



Total\_Payments



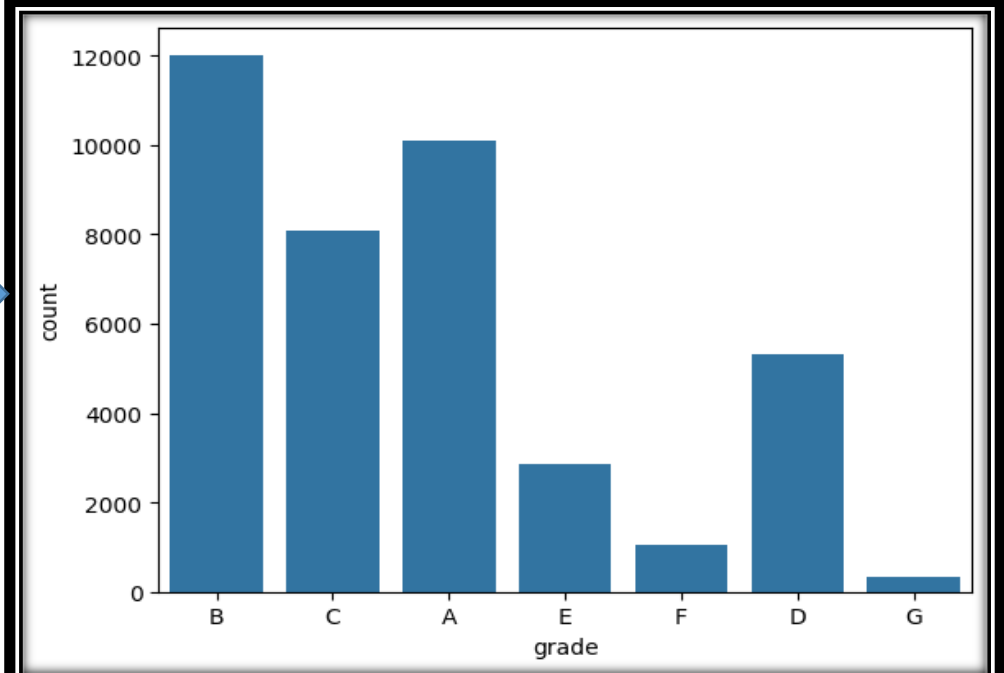
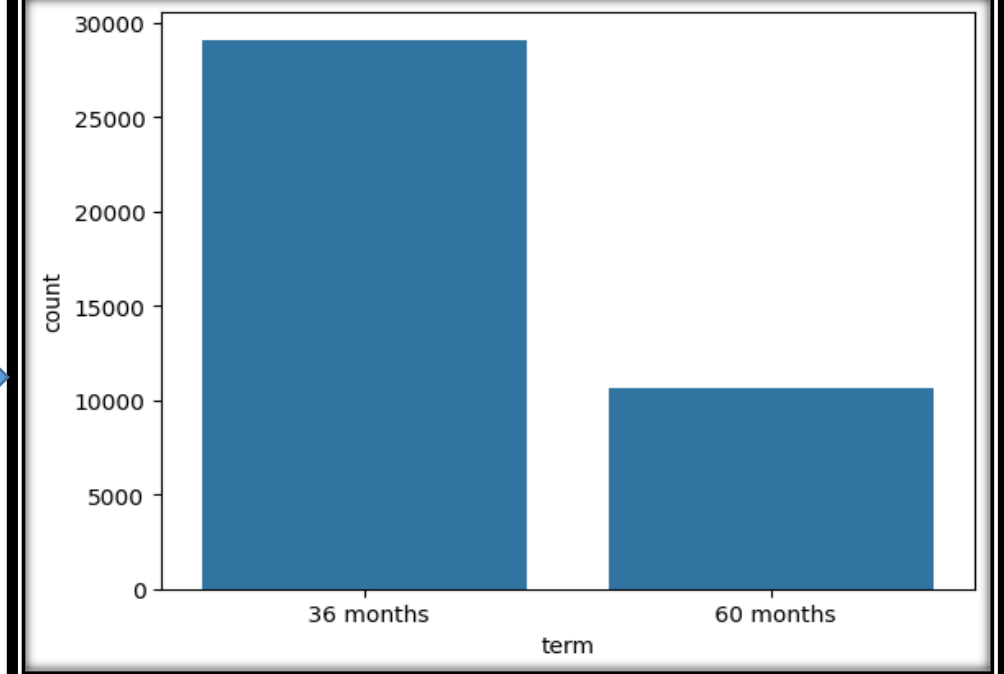
# TOTAL PAYMENT INV



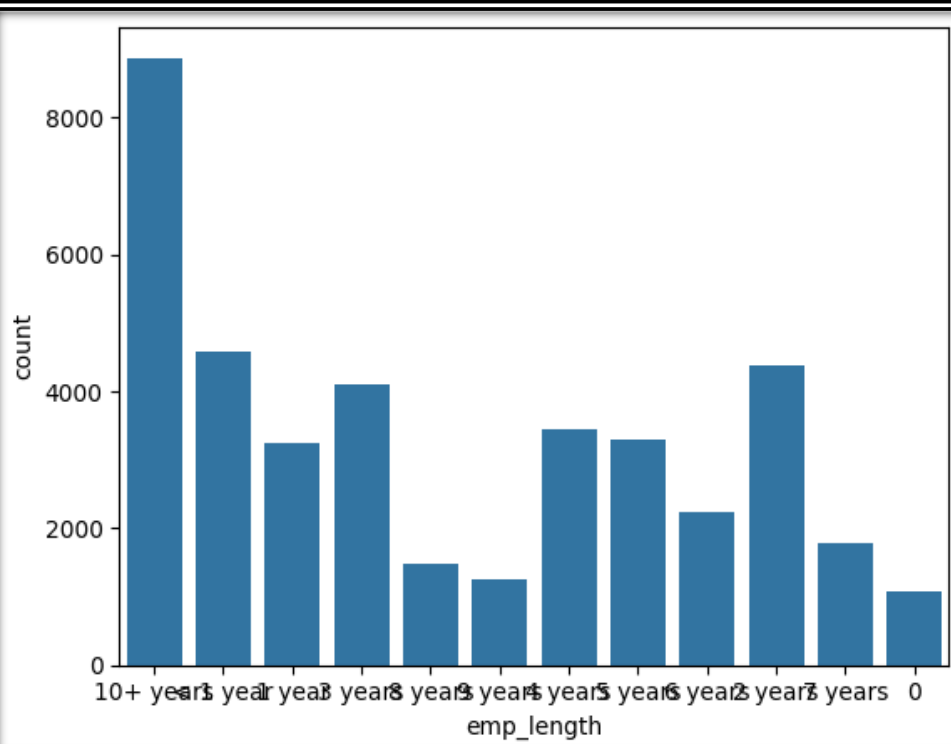
EMI Term

Grades

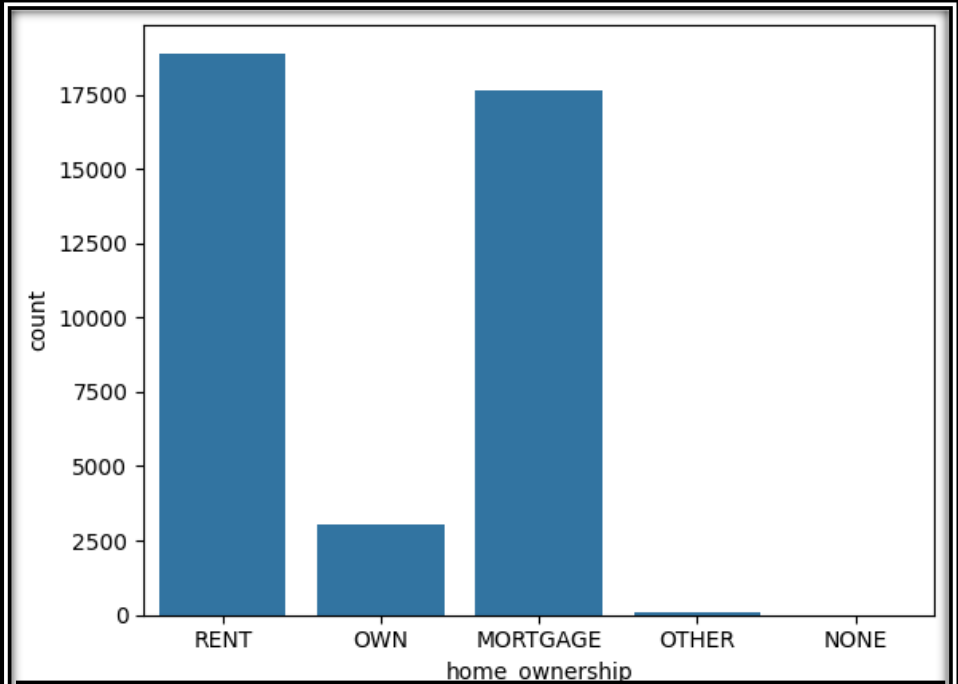
# EMI Term



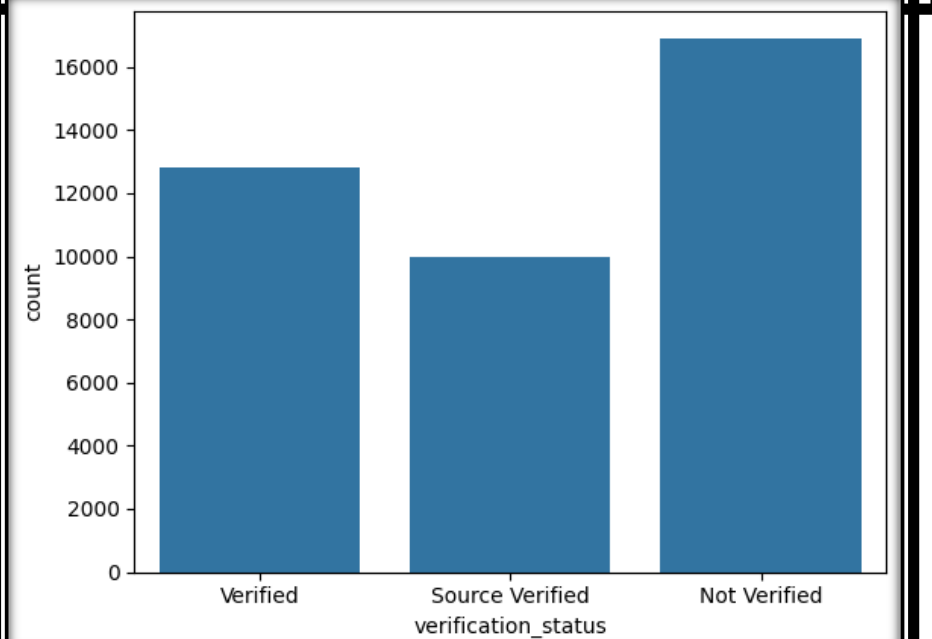
# EMP\_LENGTH



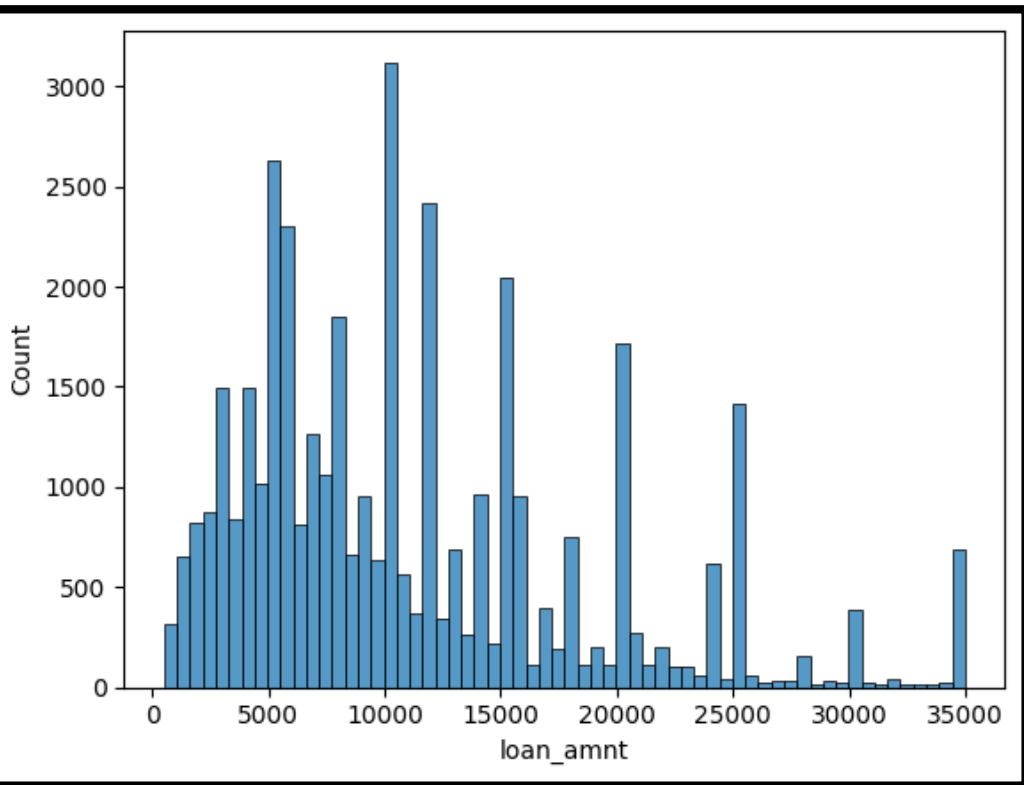
## Home Type



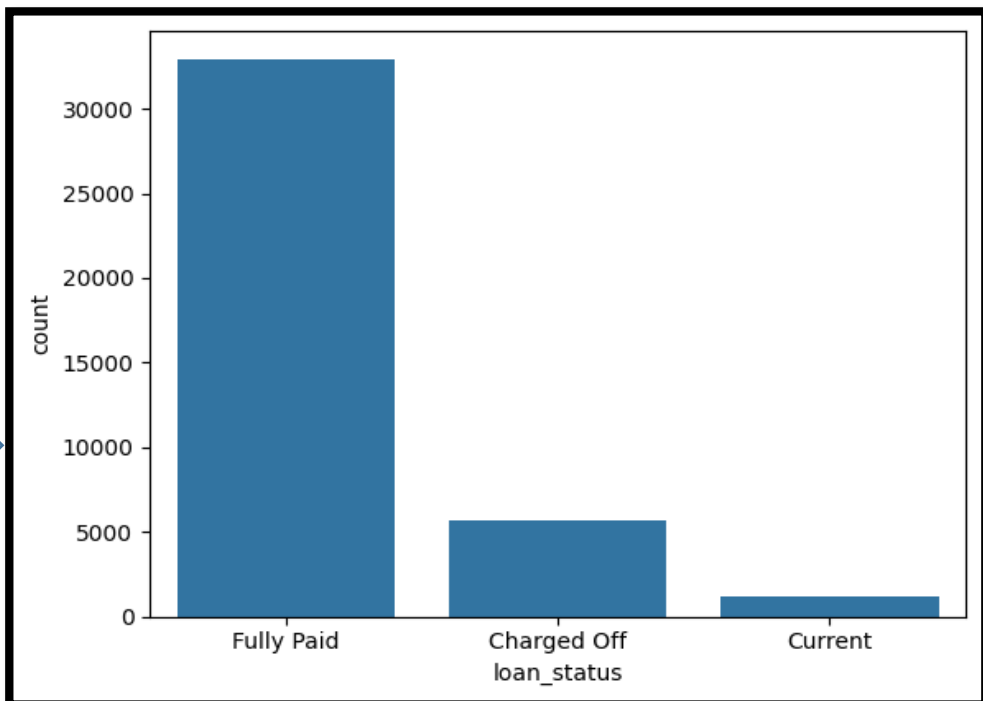
## Verification Status



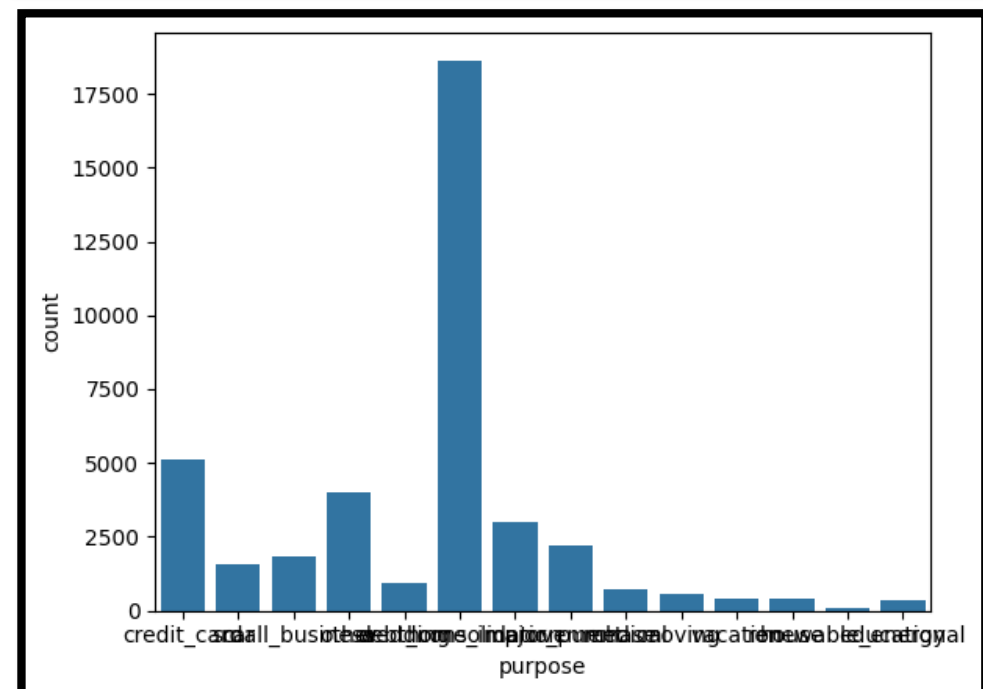
# LOAN\_AMOUNT



Loan\_Status

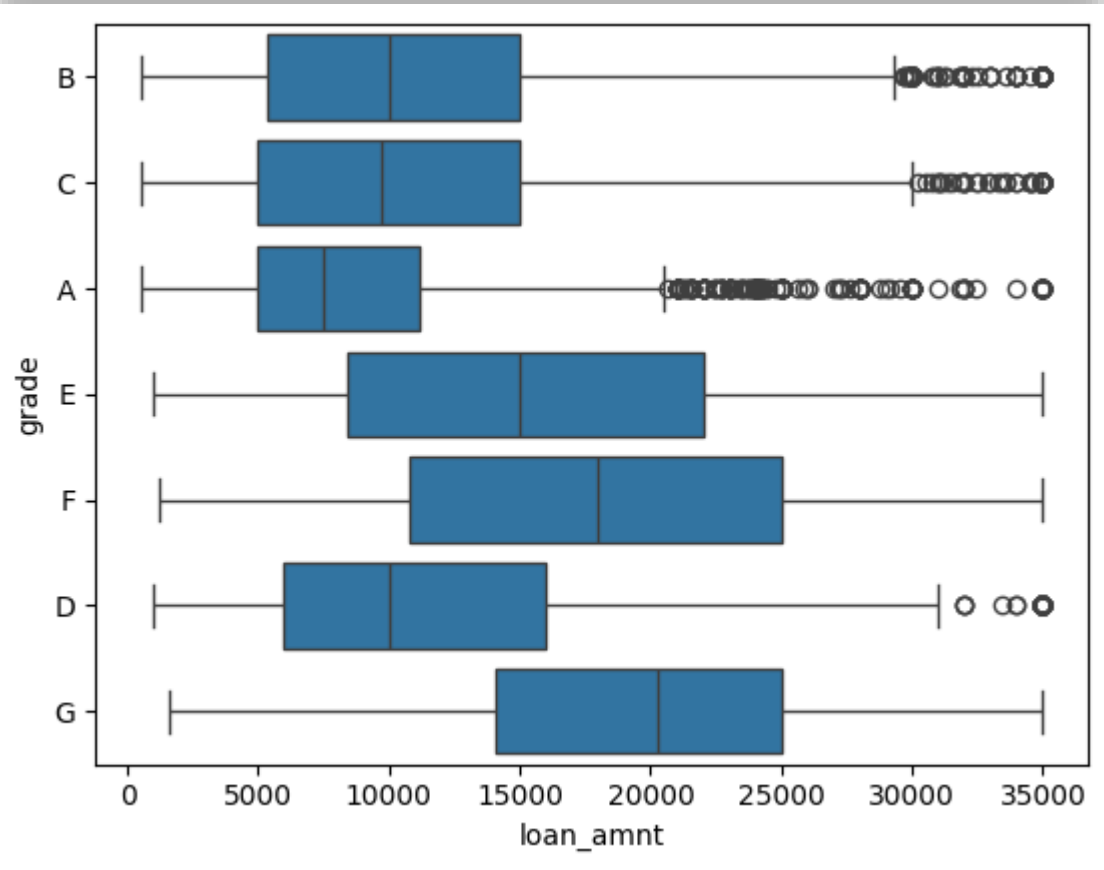


Loan Purpose

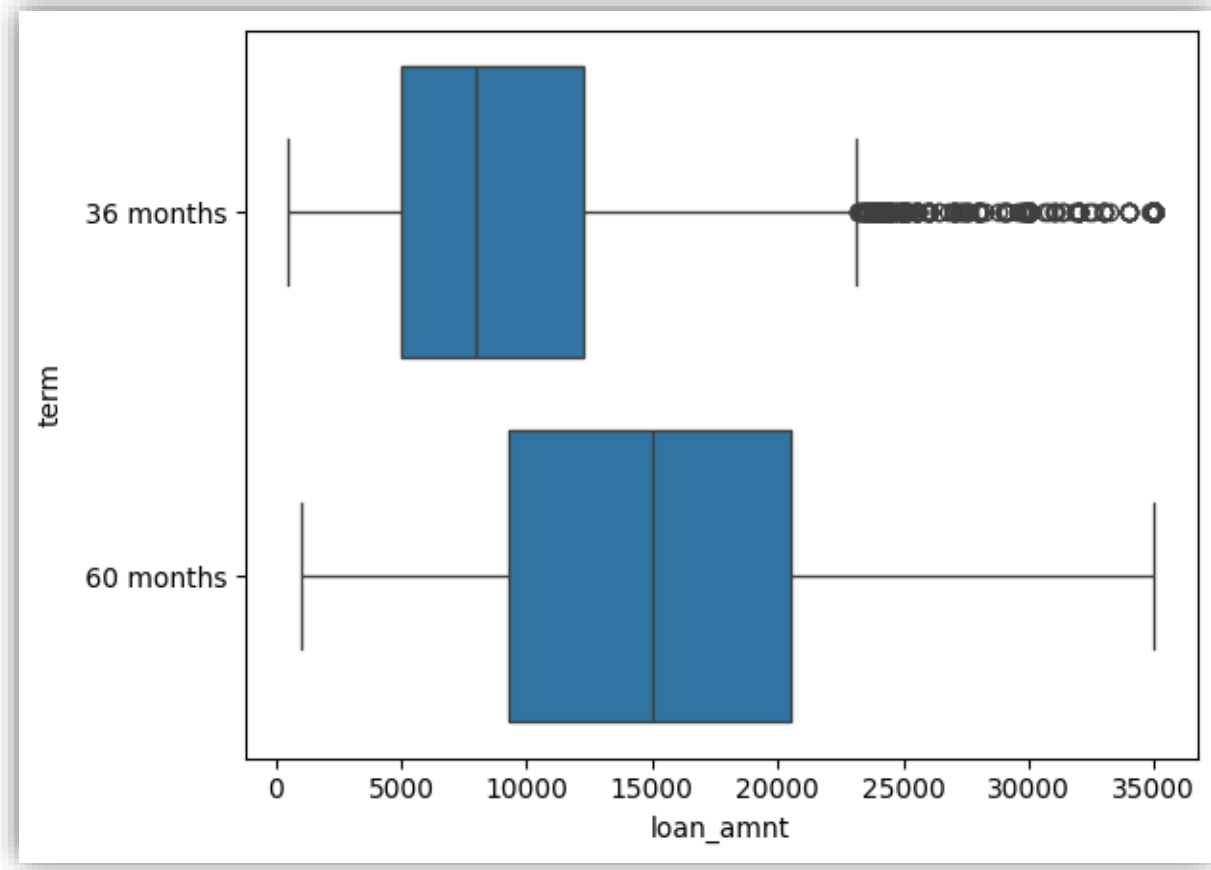


# BIVARIANT ANALYSIS

## LOAN\_AMOUNT VS GRADES



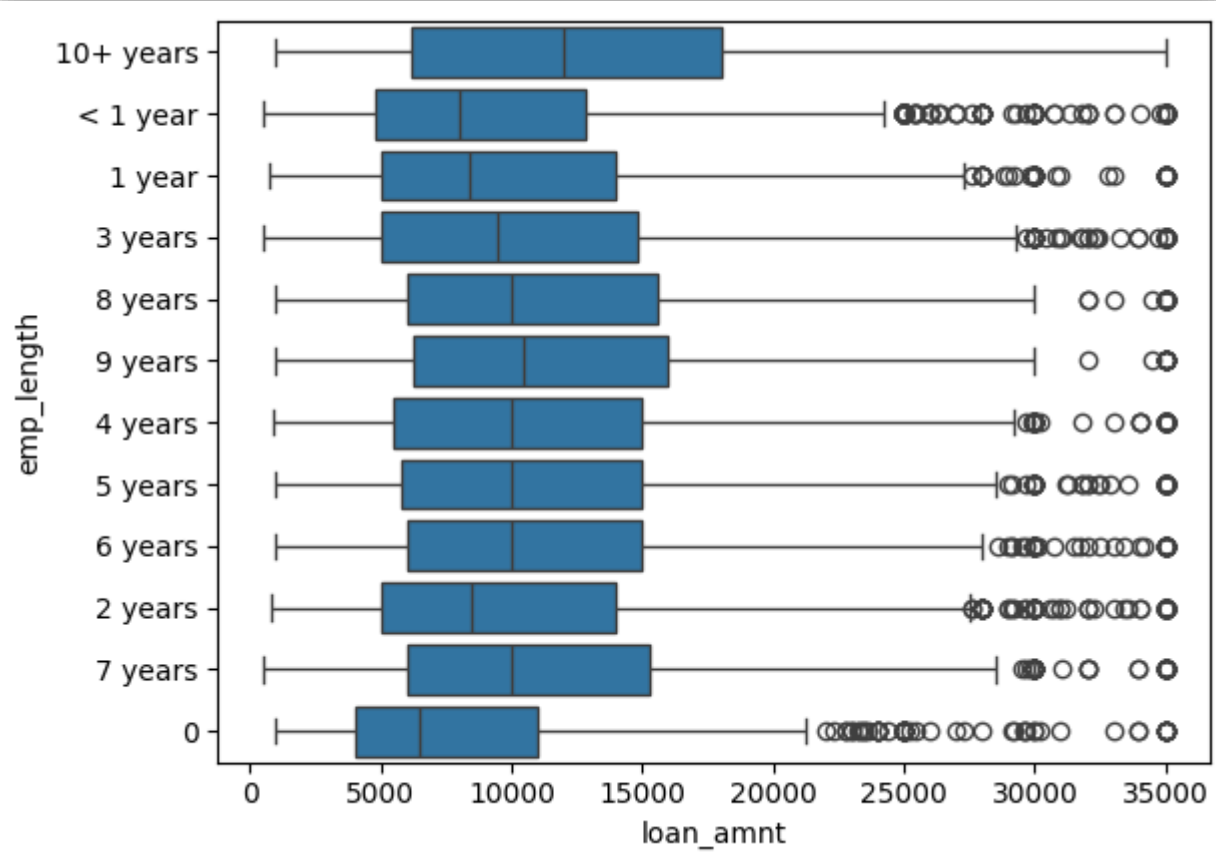
## LOAN\_AMOUNT VS TERM



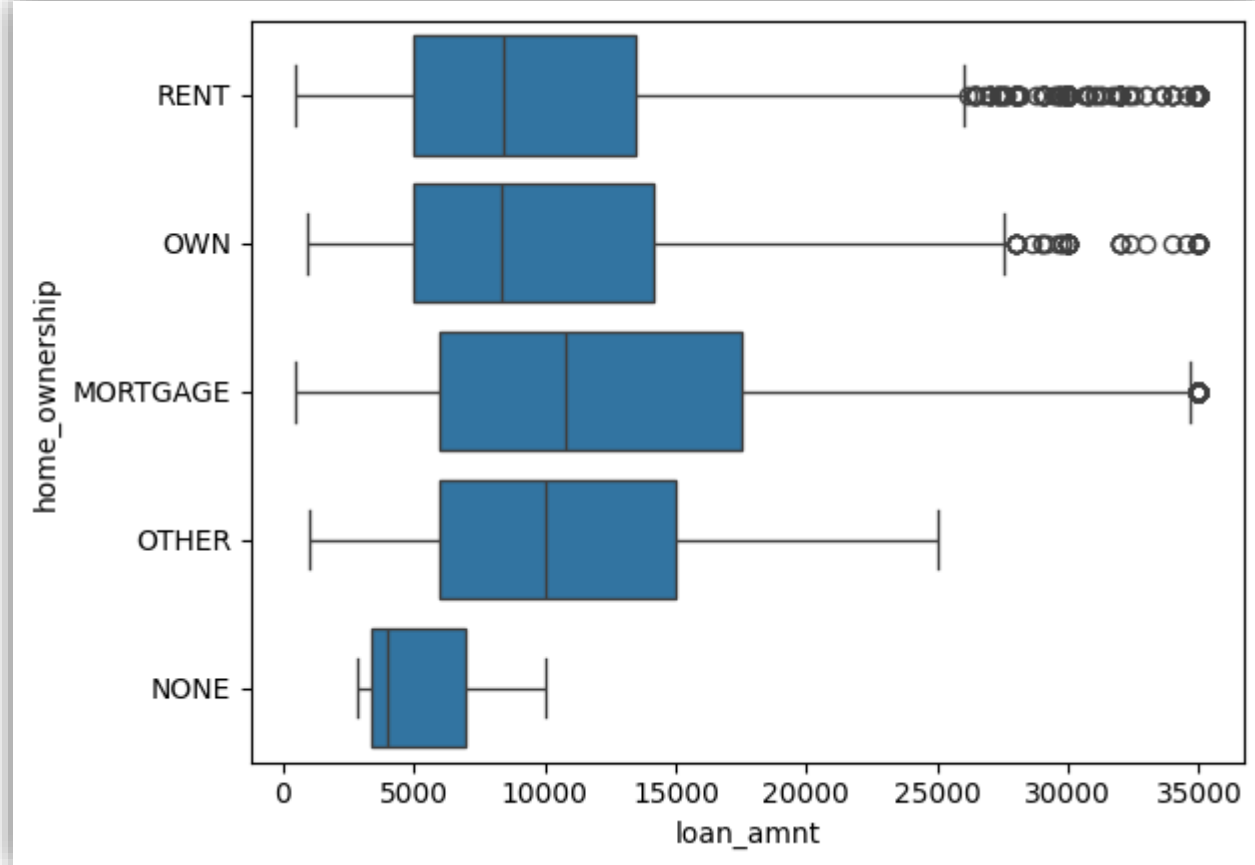
- The loan amount vs Grades and Term.
- G and F Grades are took the highest loans
- Max loans are took the term of 60 months.



LOAN\_AMOUNT VS EMP\_LENGTH

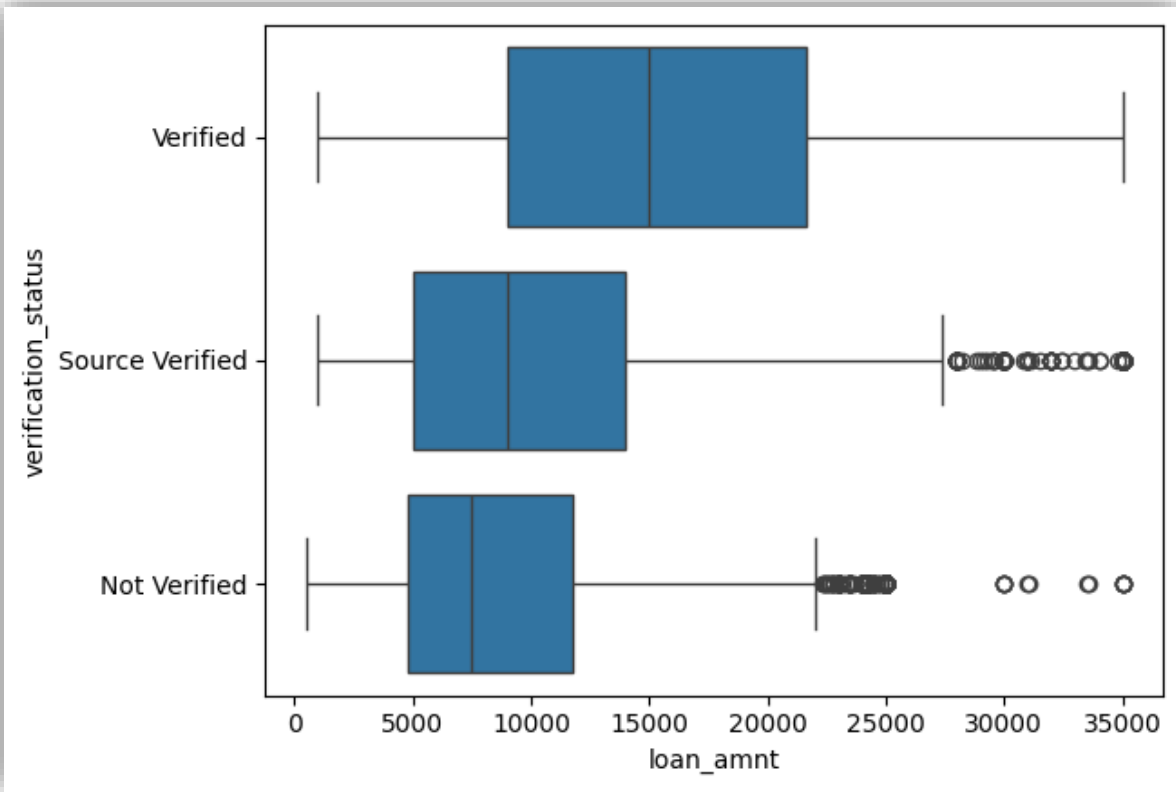


LOAN\_AMOUNT VS HOME\_OWNERSHIP

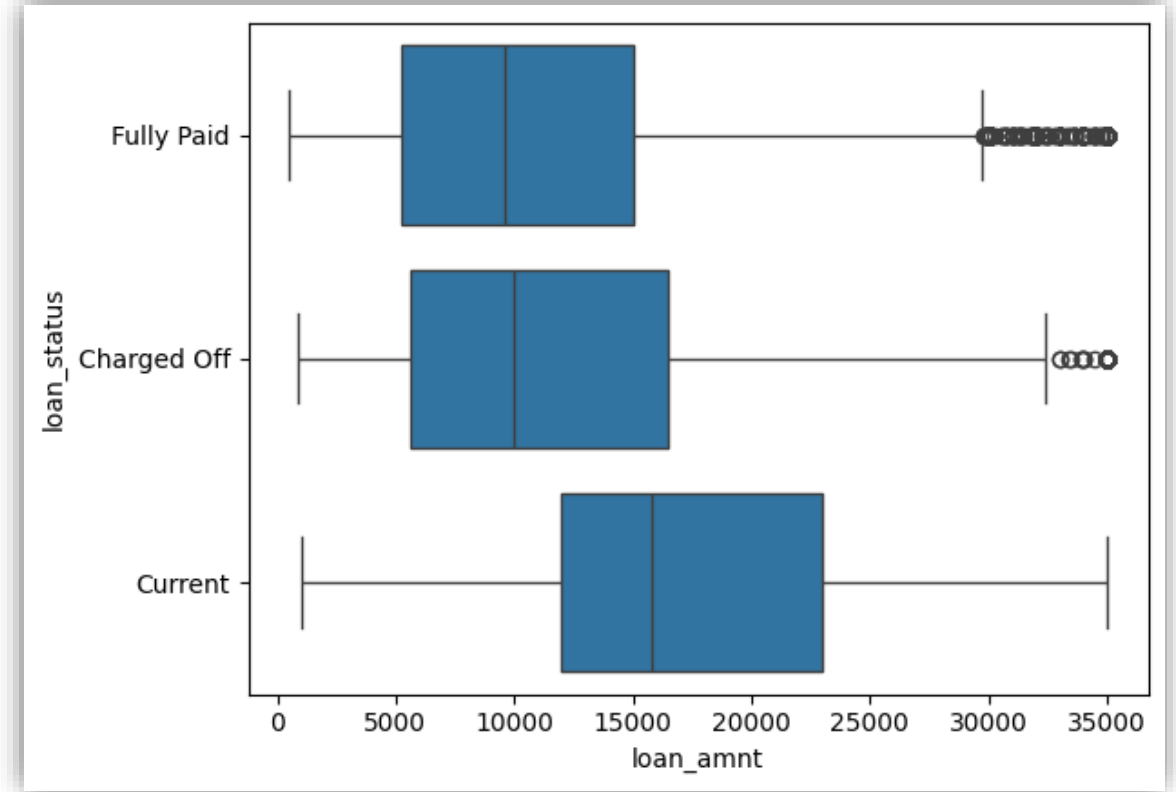


- Loan amount vs emp\_length and Home Ownership
- Emp Length having more than 10 years took the Max loan amount
- Max loans are taken through Mortgage

# LOAN\_AMOUNT VS VERIFICATION\_STATUS

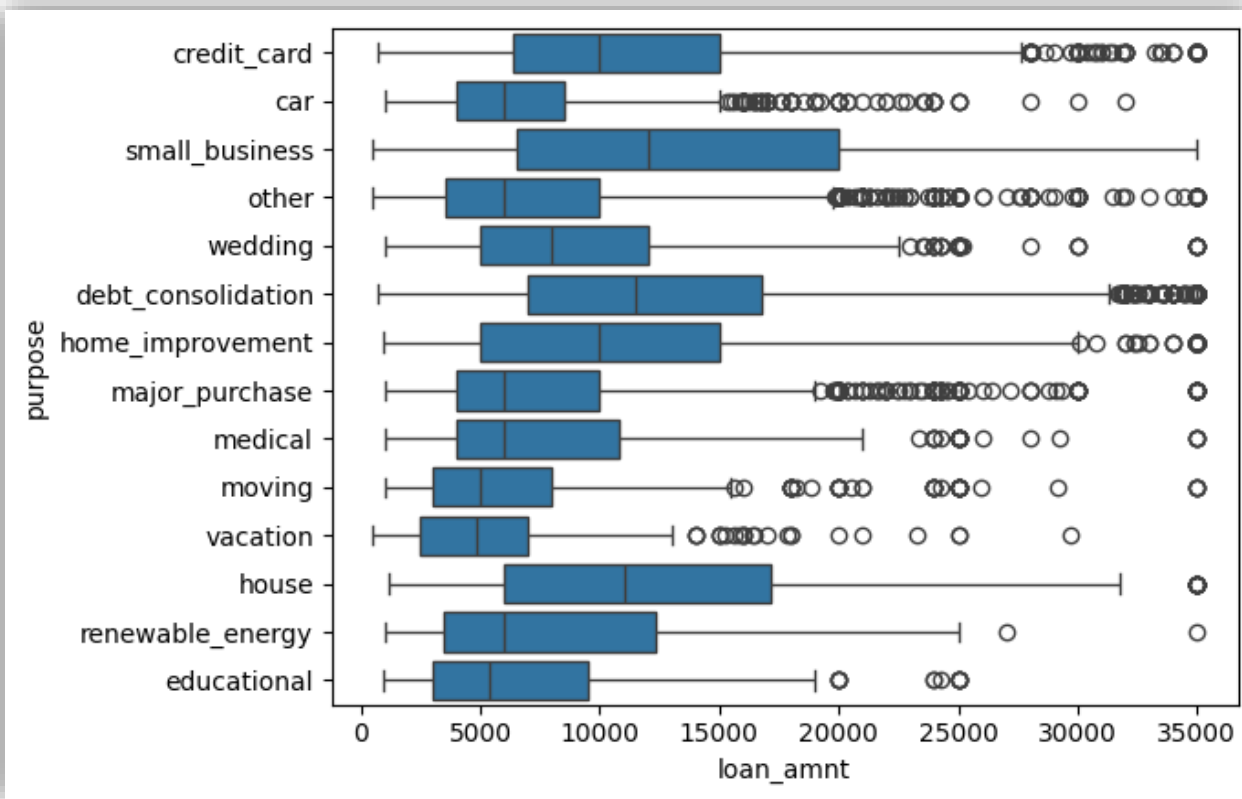


# LOAN\_AMOUNT VS LOAN\_STATUS

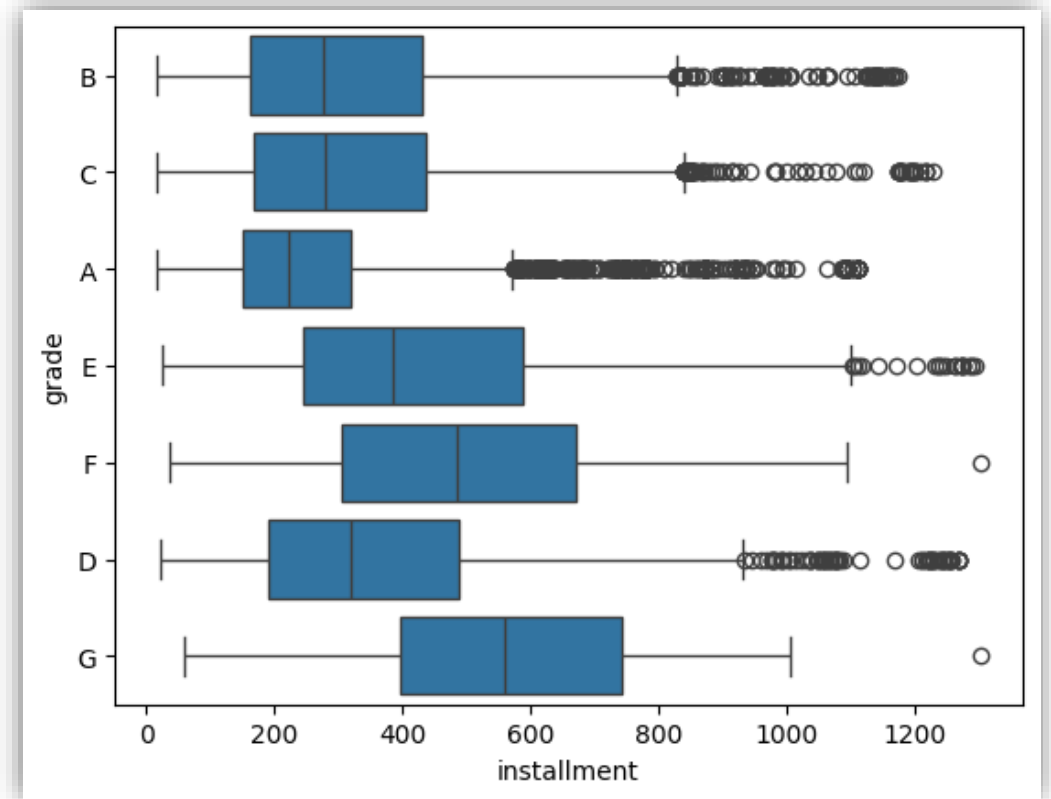


- Loan Amount Vs Verification Status and Loan status
- Max loans are verified status
- There were still Current loans are max as compared to fully paid and charged off.

### LOAN\_AMOUNT VS PURPOSE

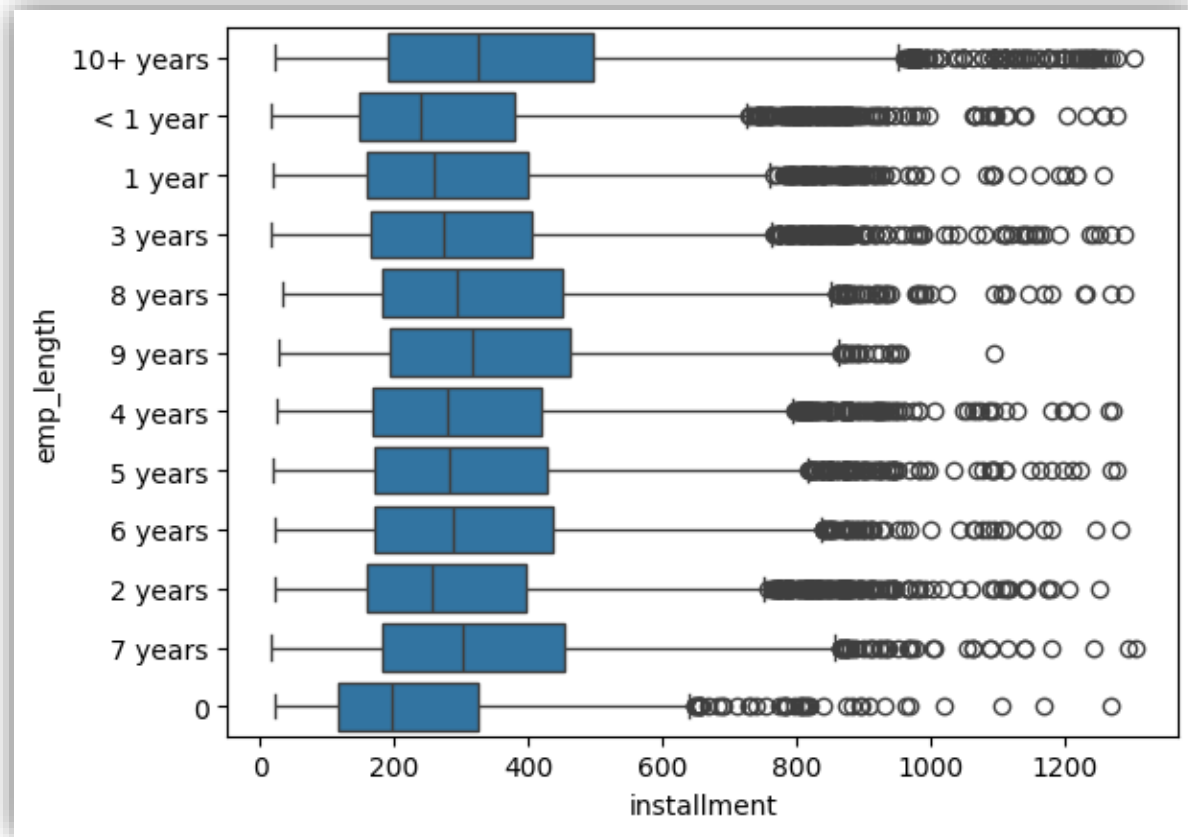


### GRADES VS INSTALLMENTS

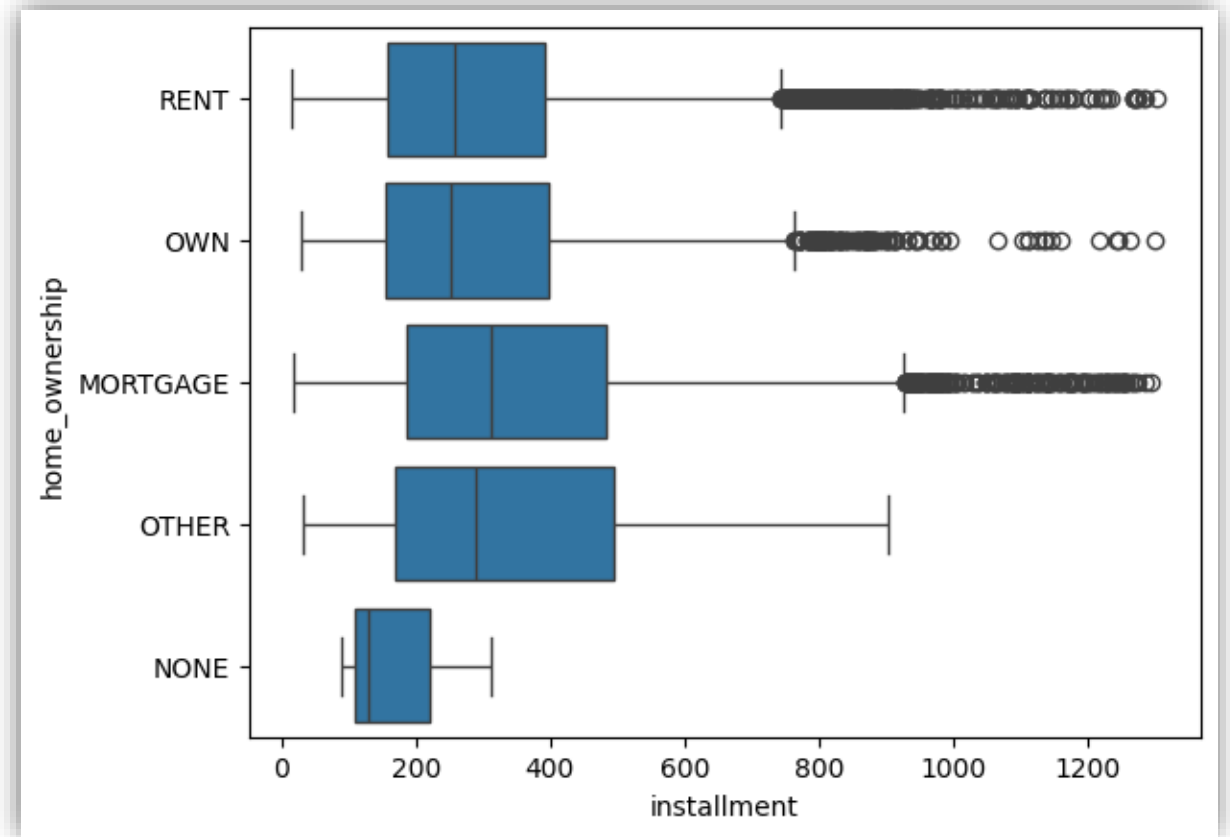


- Loan amount vs Purpose and grades vs Instalments
- Max loans are taken for small business & House purposes
- Max number of instalments are paying from G and F grades

### INSTALMENT VS EMP\_LENGTH

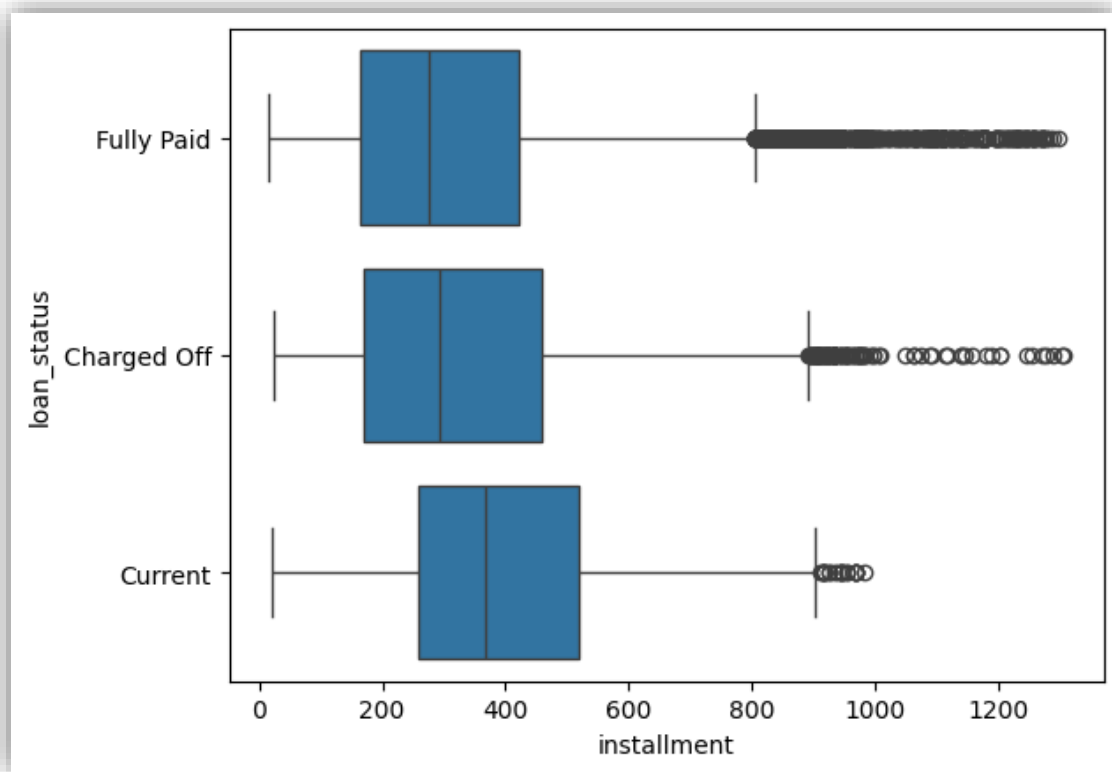


### HOME\_OWNERSHIP VS INSTALMENTS

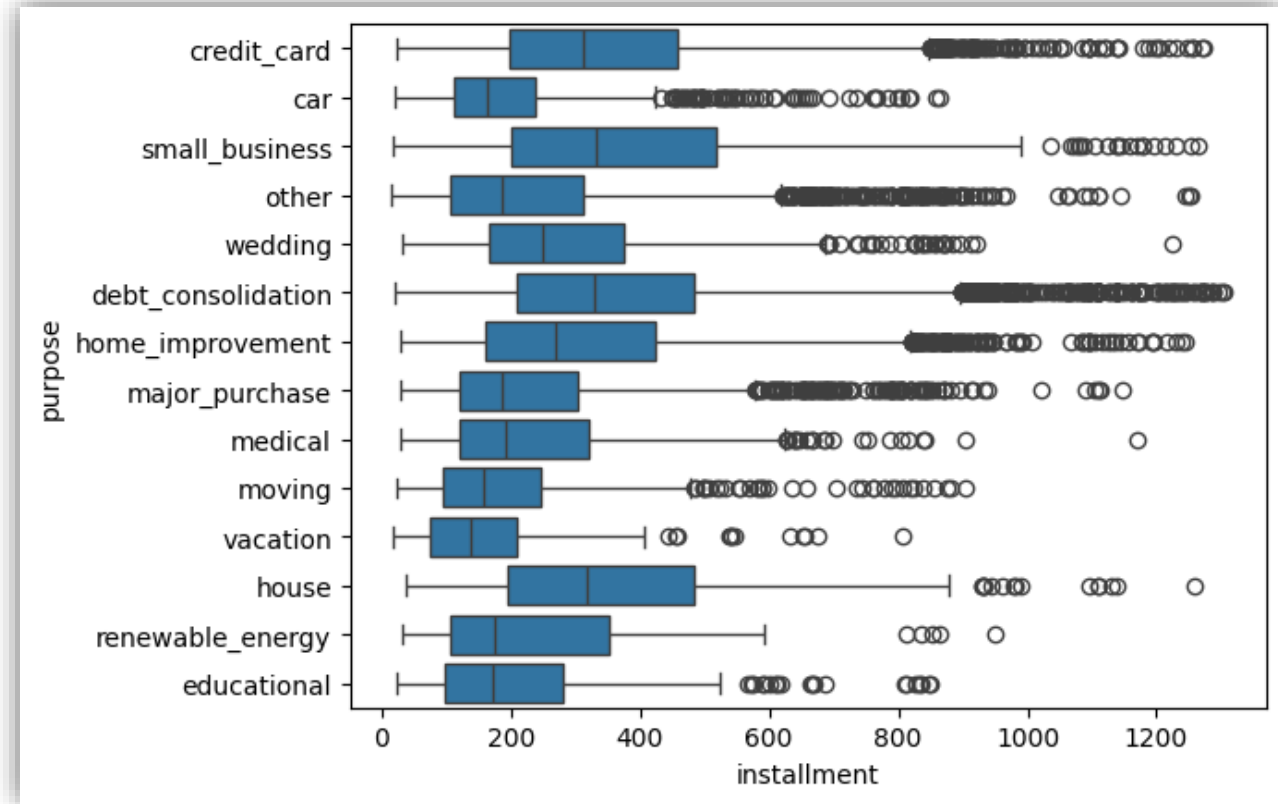


- Loan Instalments Vs Emp\_length and homeownership
- Emp Length having more than 7 and 10+ years are paying more instalments
- Max number of instalments are paying from Mortgage and other home ownerships

## INSTALMENT VS LOAN STATUS

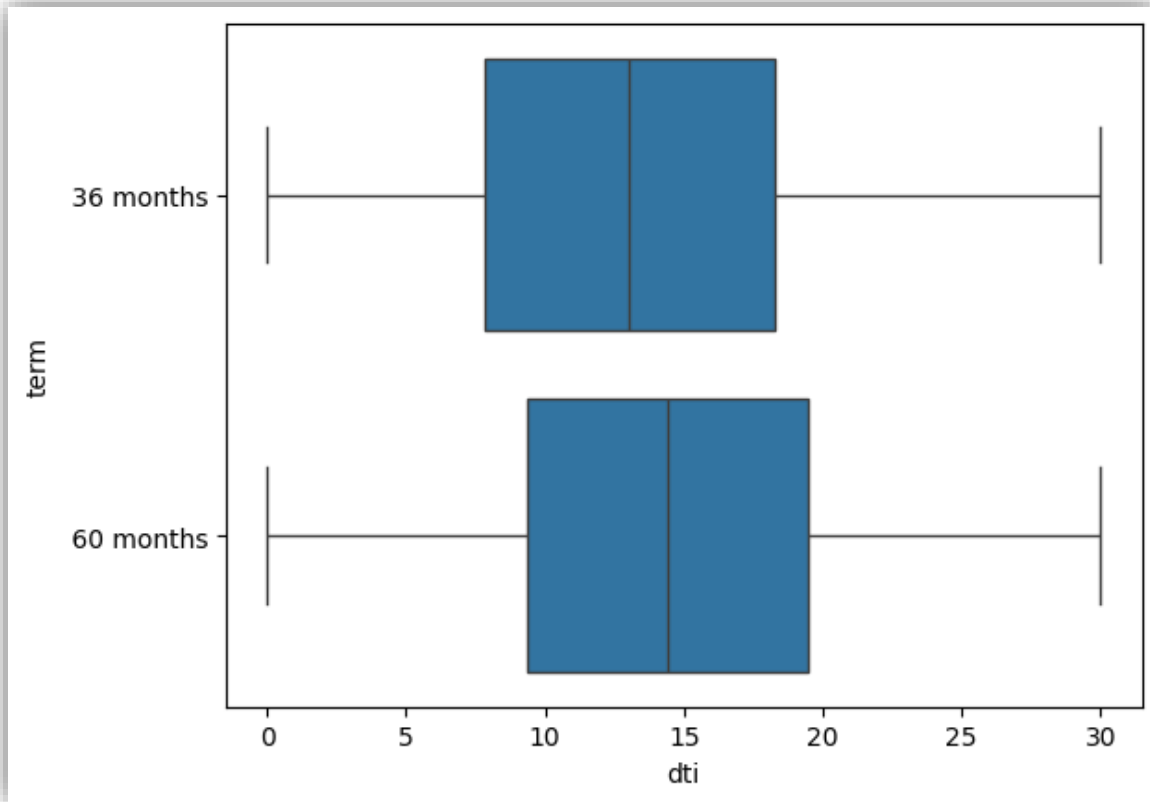


## PURPOSE VS INSTALMENTS

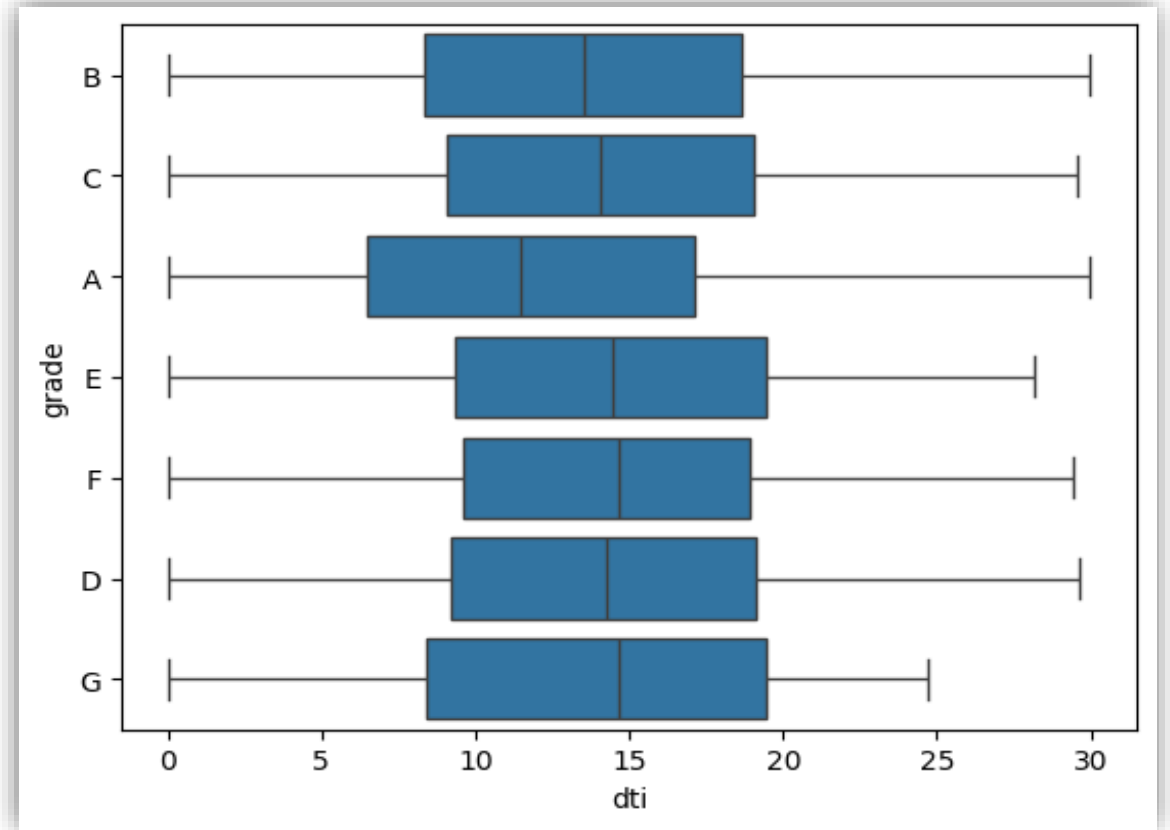


- Instalments Vs Loan Status and Purpose
- More instalments are received from Current loan status
- Small business and House loan purpose instalments are more

## DTI VS TERM

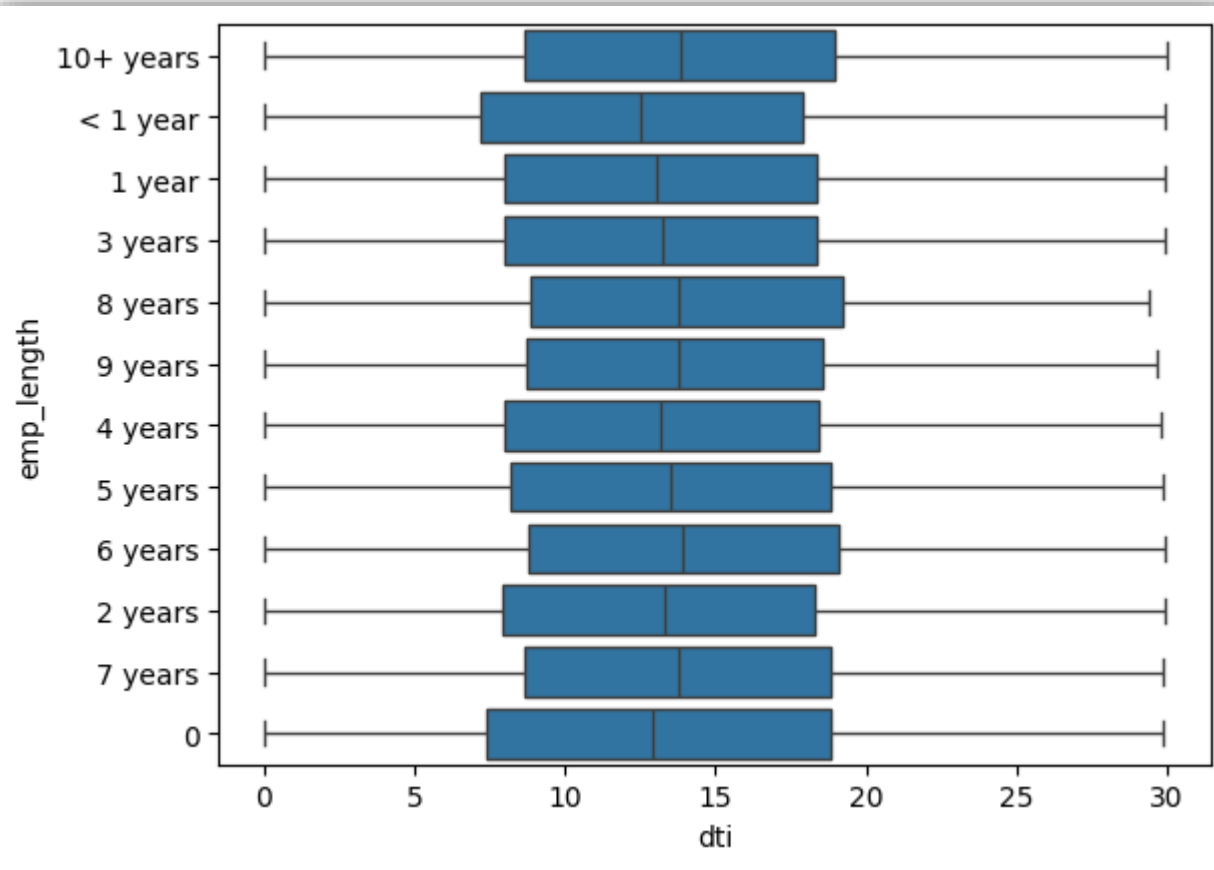


## DTI VS GRADES

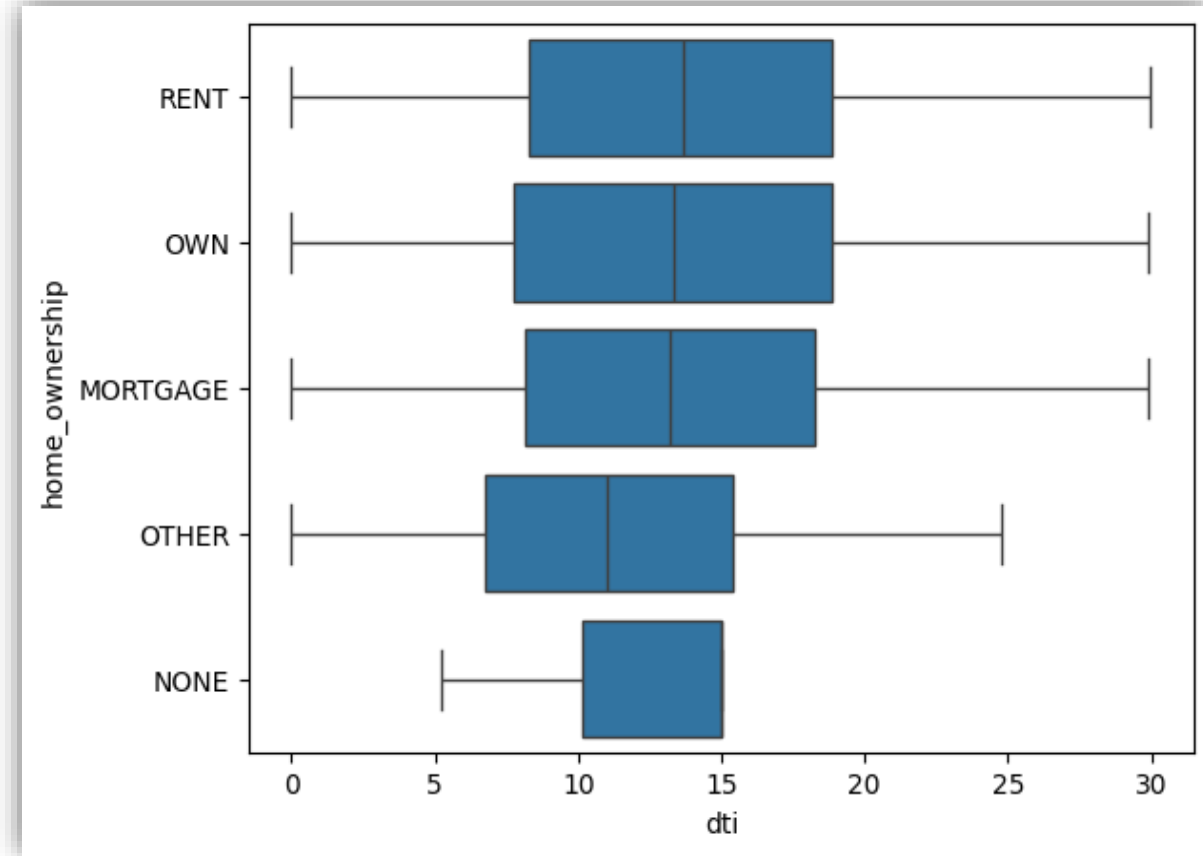


- DTI Vs Term and Grades
- Debt-to-Income is more for term 60 months
- Debt-to-Income are at the same level in all the grades, especially E grade having the more DTI values

DTI VS EMP\_LENGTH

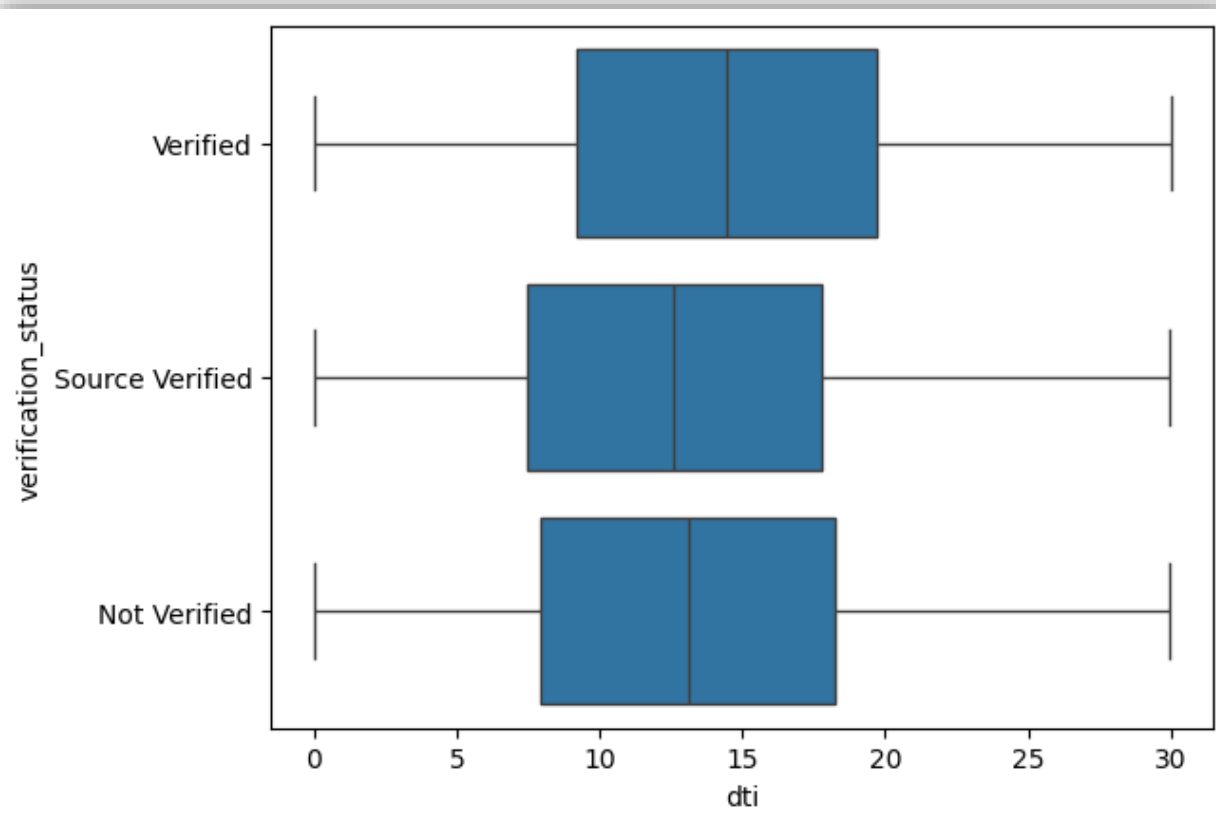


DTI VS HOME\_OWNERSHIP

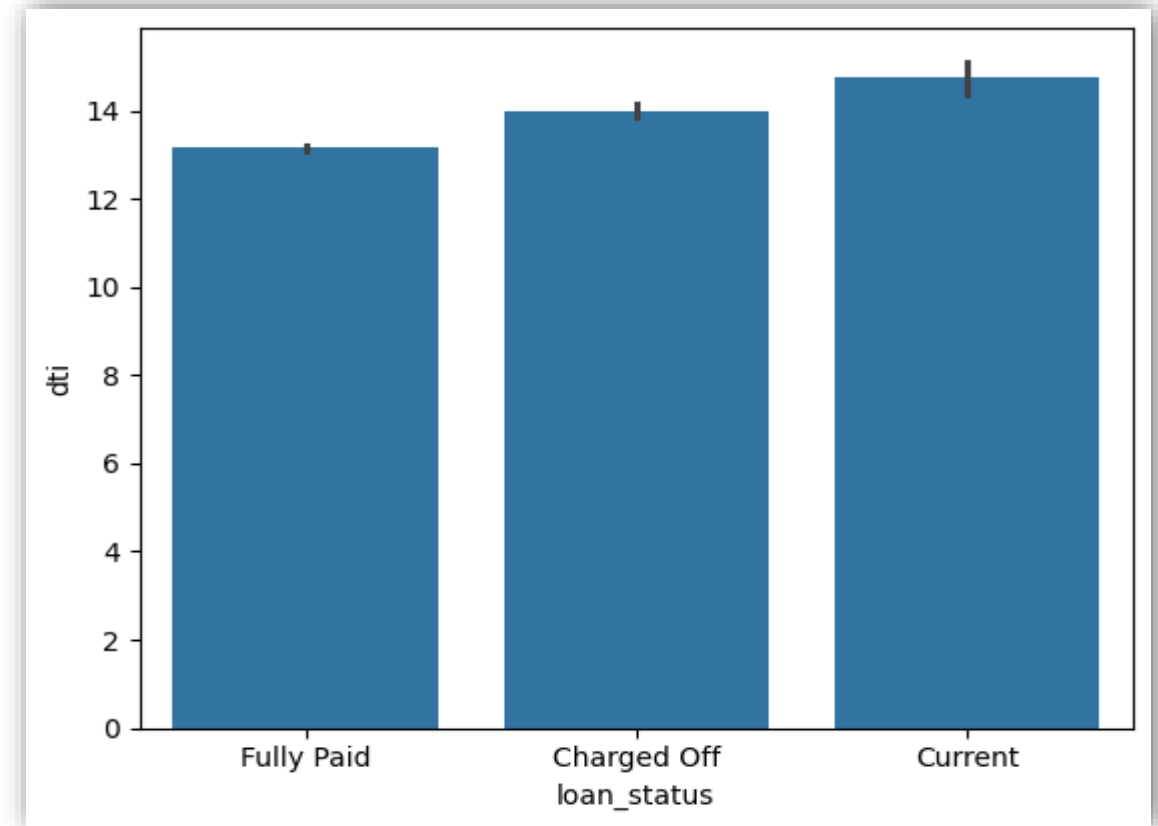


- DTI Vs Emp\_length and Homeownership
- Debt-to-Income is almost same for all Emp\_length, only little deference at all the data
- Debt-to-Income is High at Rent and Own house holders

DTI VS VERIFICATION\_STATUS



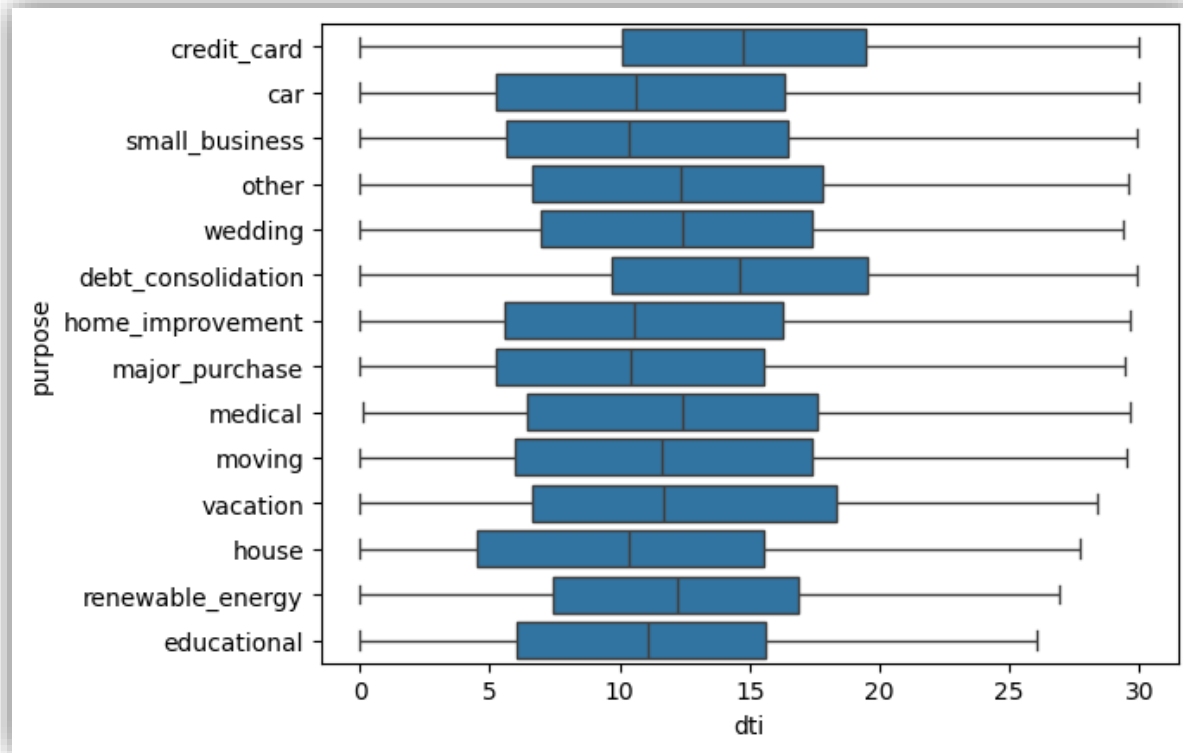
DTI VS LOAN\_STATUS



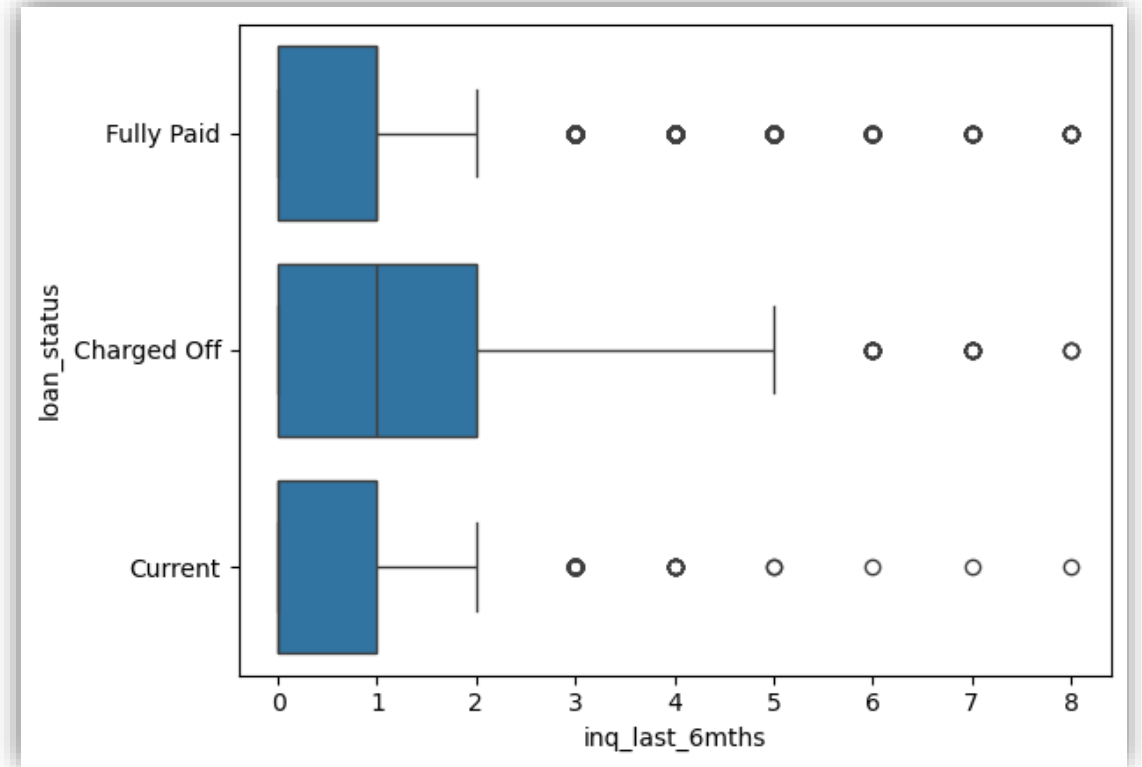
- Debt-to-Income Vs Loan Status and Verification Status
- Debt-to-Income is High at Verified loans
- Debt-to-Income is max at Current loans status



## DTI VS VERIFICATION\_STATUS

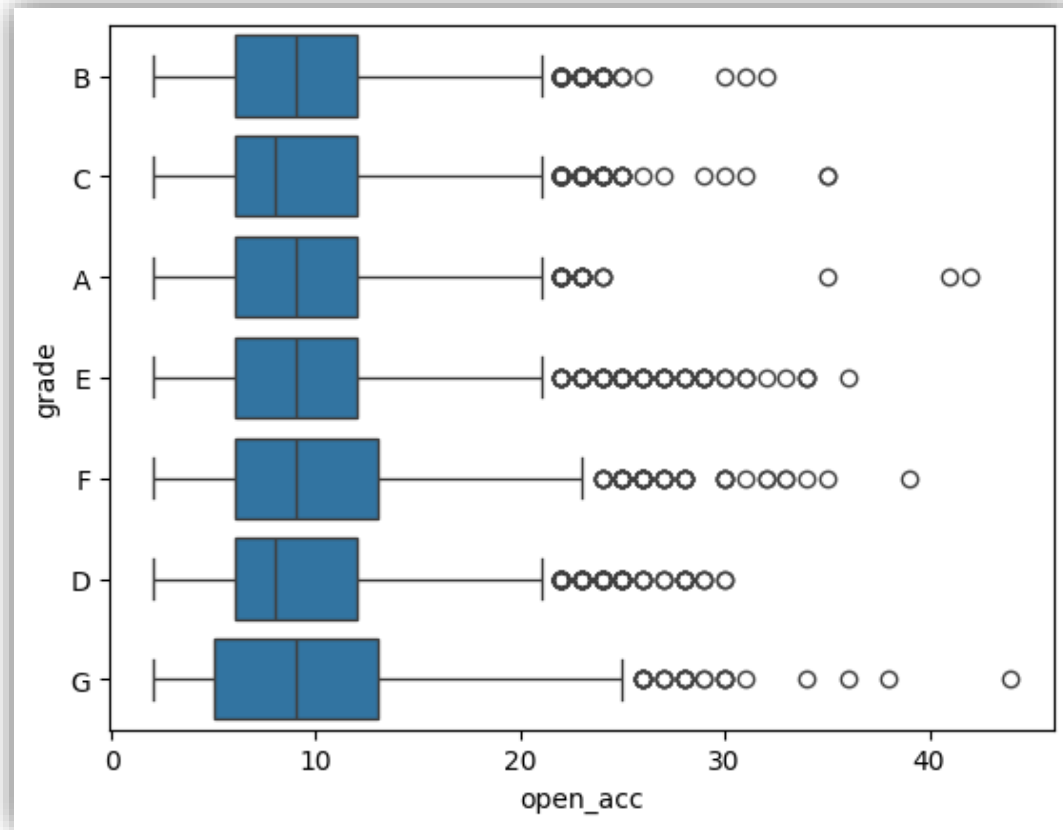


## INQ\_LAST\_6-MONTHS VS LOAN STATUS

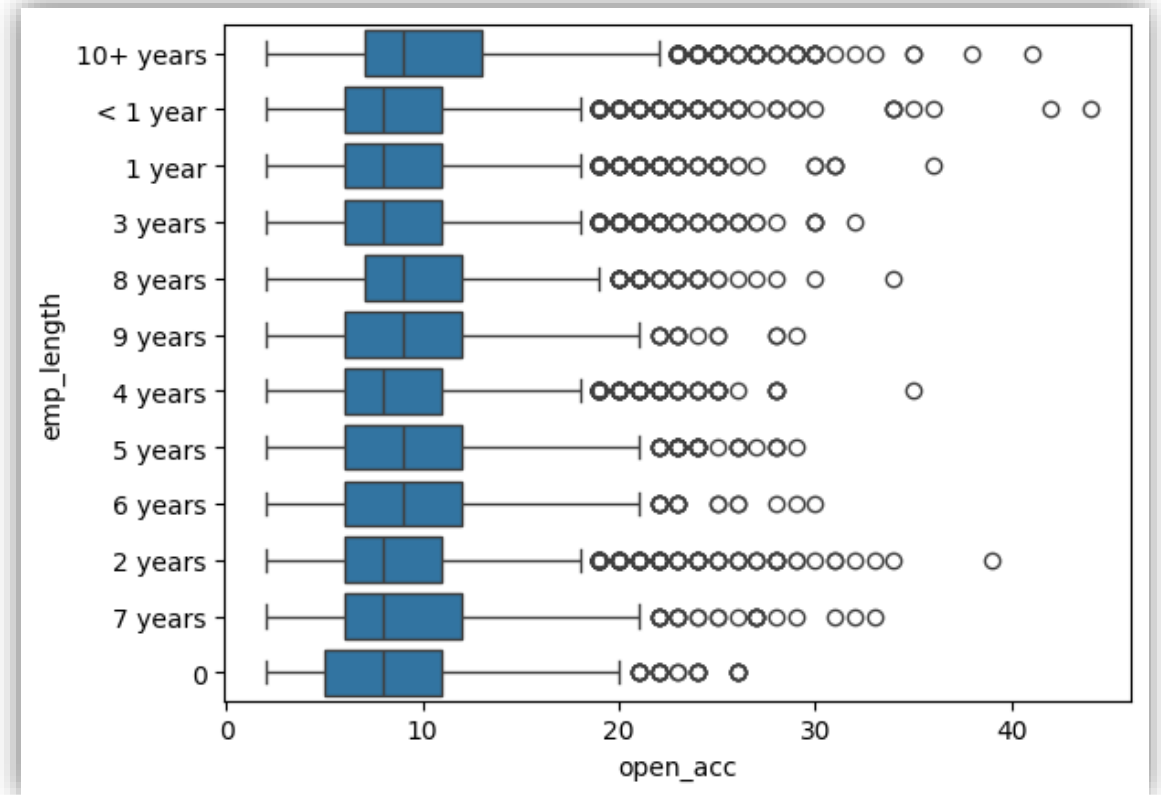


- Debt-to-Income Vs Verification Status
- Debt-to-Income is more at Debt consolidation purpose
- Loan status in last 6 months having more charged off.

OPEN\_ACC VS GRADES

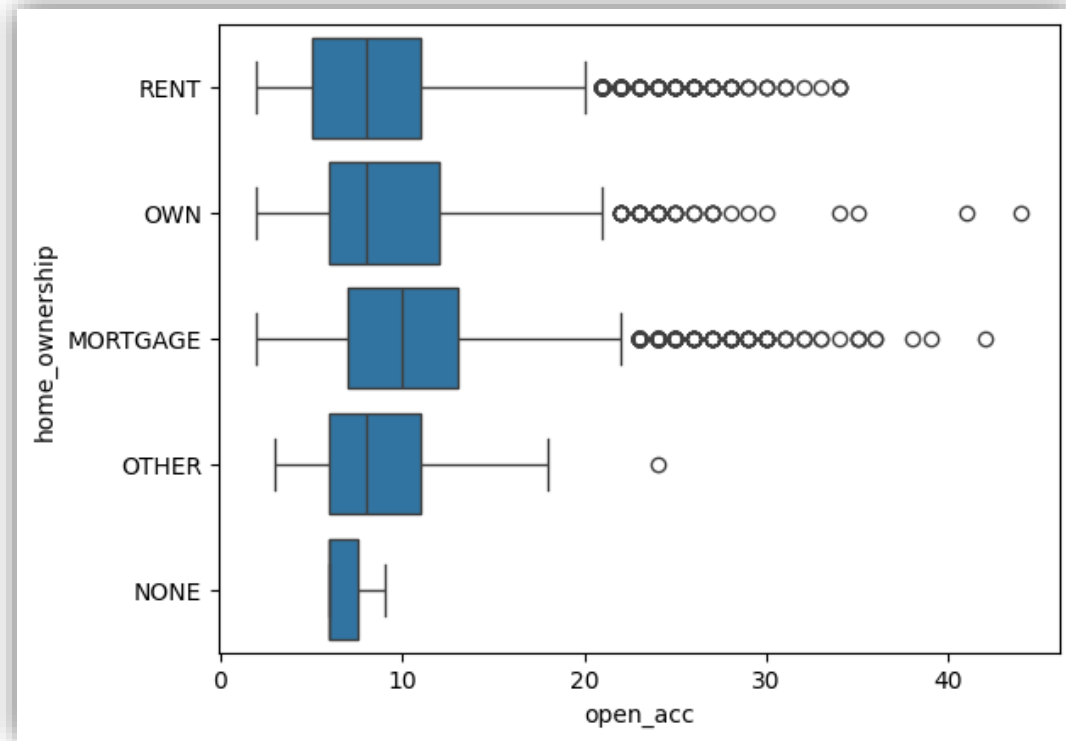


OPEN\_ACC VS EMP\_LENGTH

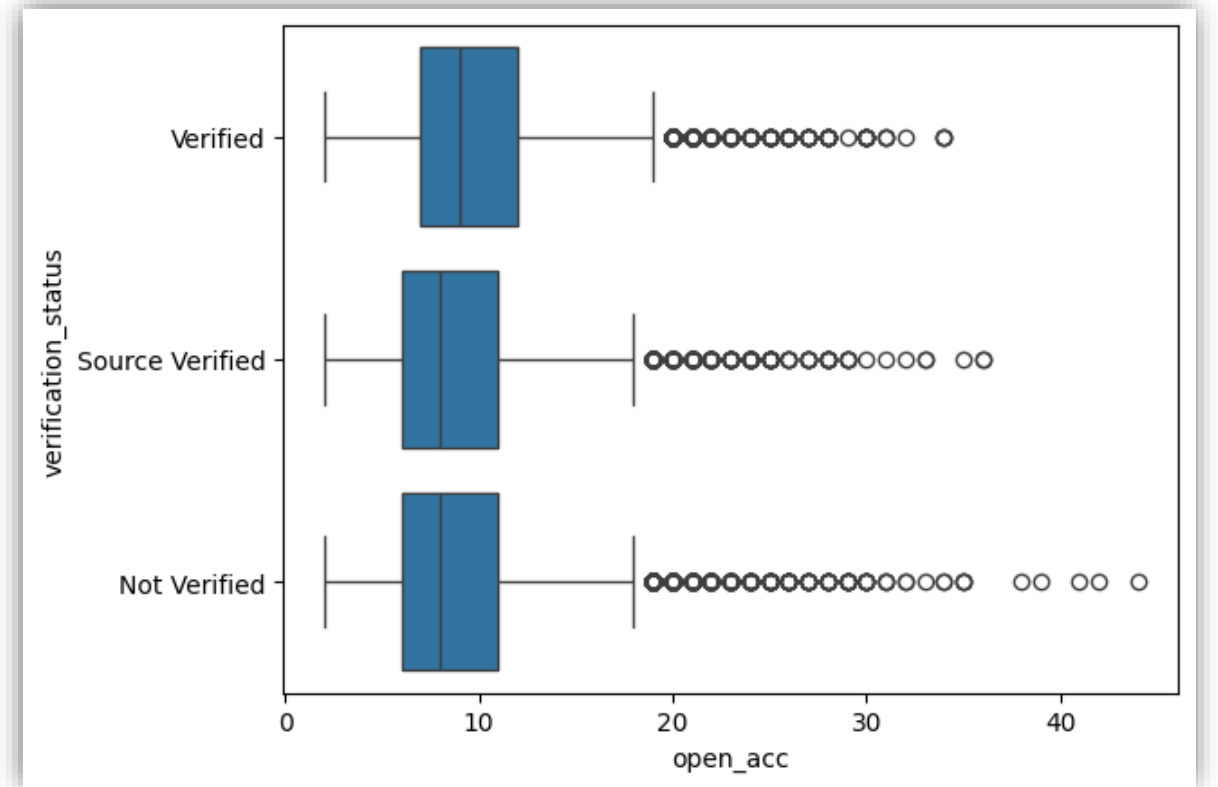


- Open Accounts Vs Grades and Emp Length
- Max number of opened accounts are in F and G Grades accounts
- More than 10+ years of emp length have opened more accounts

OPEN\_ACC VS HOME OWNERSHIPS

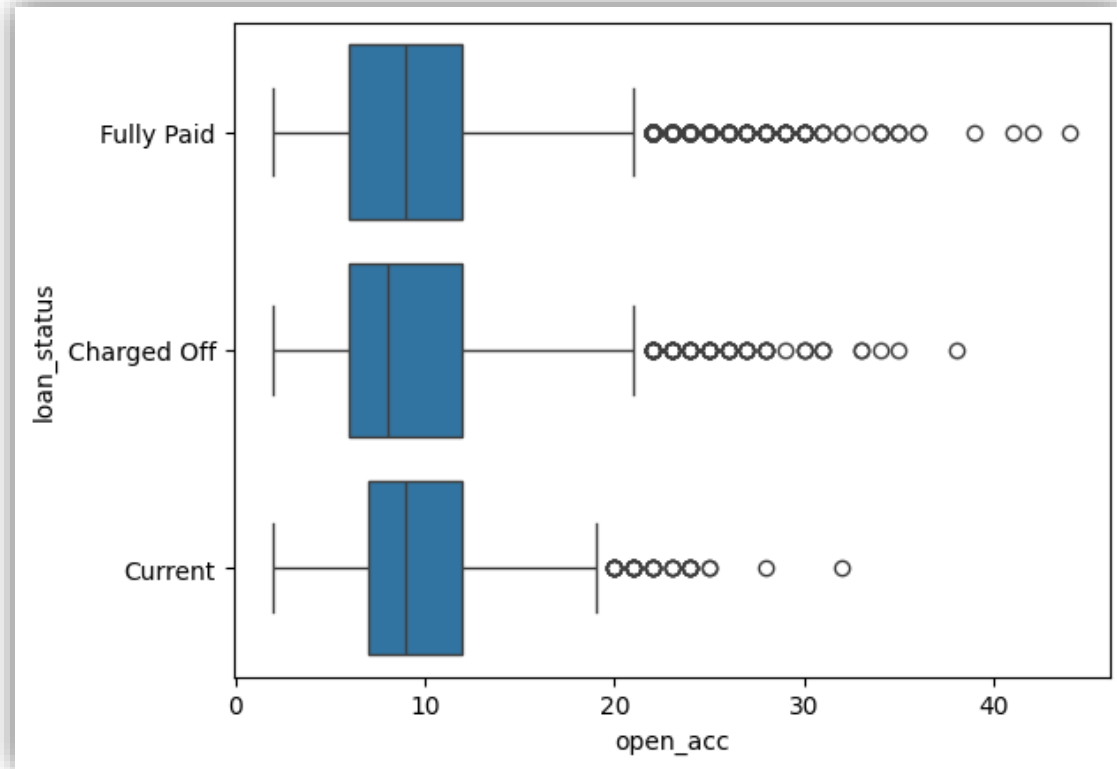


OPEN\_ACC VS VERIFICATION STATUS

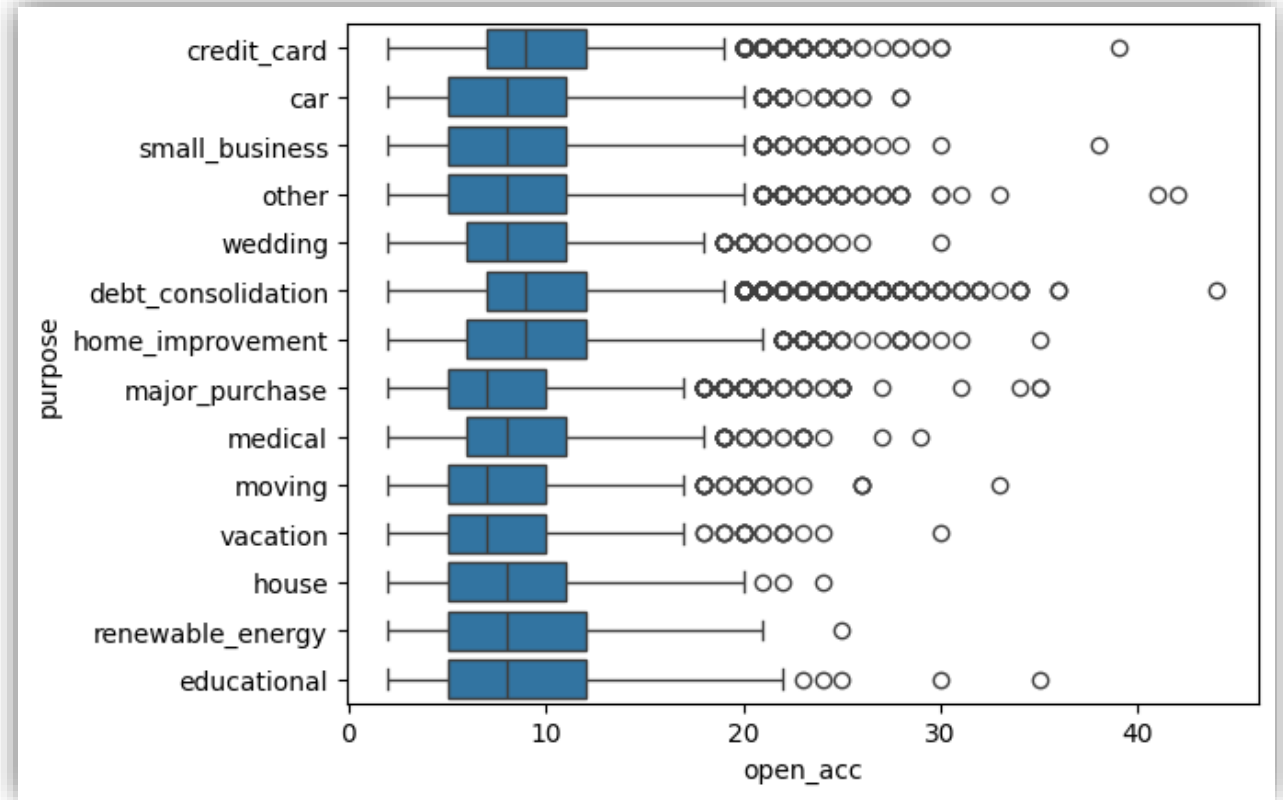


- Open Accounts Vs Home Ownerships and Verifications status
- Max number of Open accounts for Mortgage purpose.
- Max number of open Accounts are Verified status

OPEN\_ACC VS LOAN STATUS

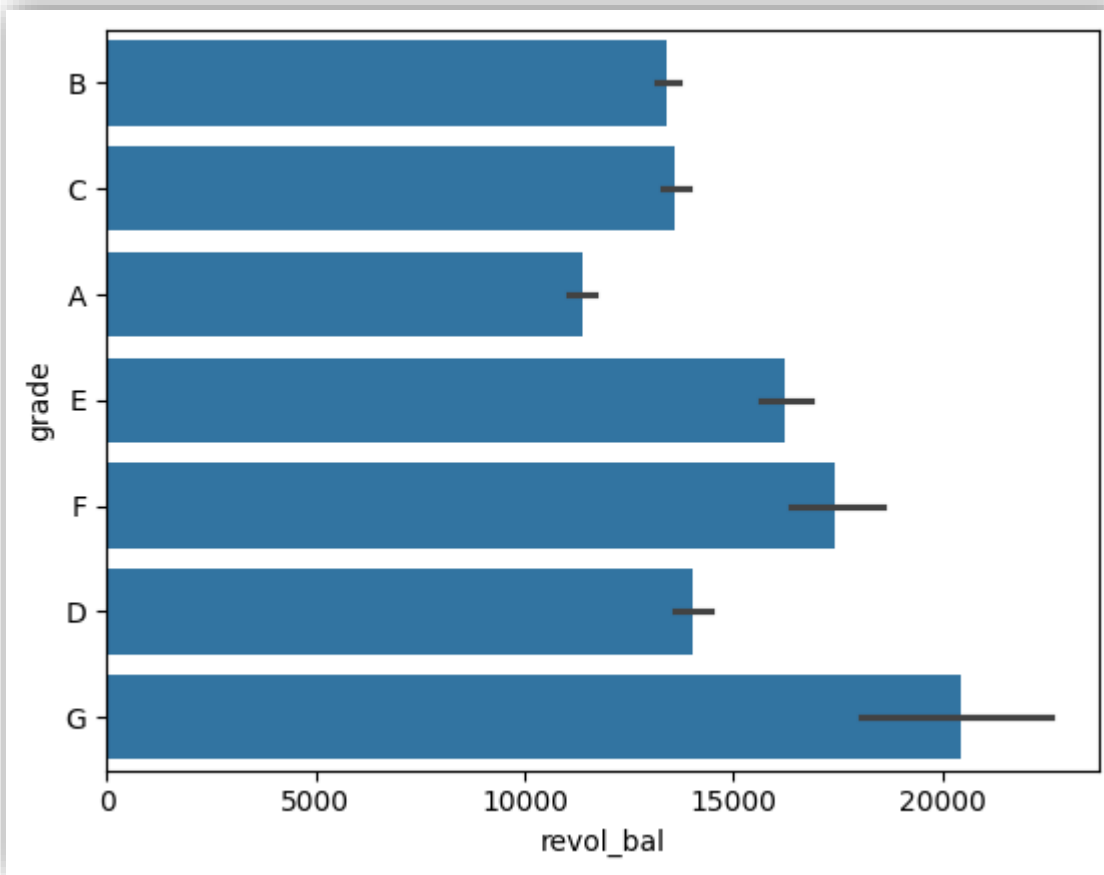


OPEN\_ACC VS PURPOSE

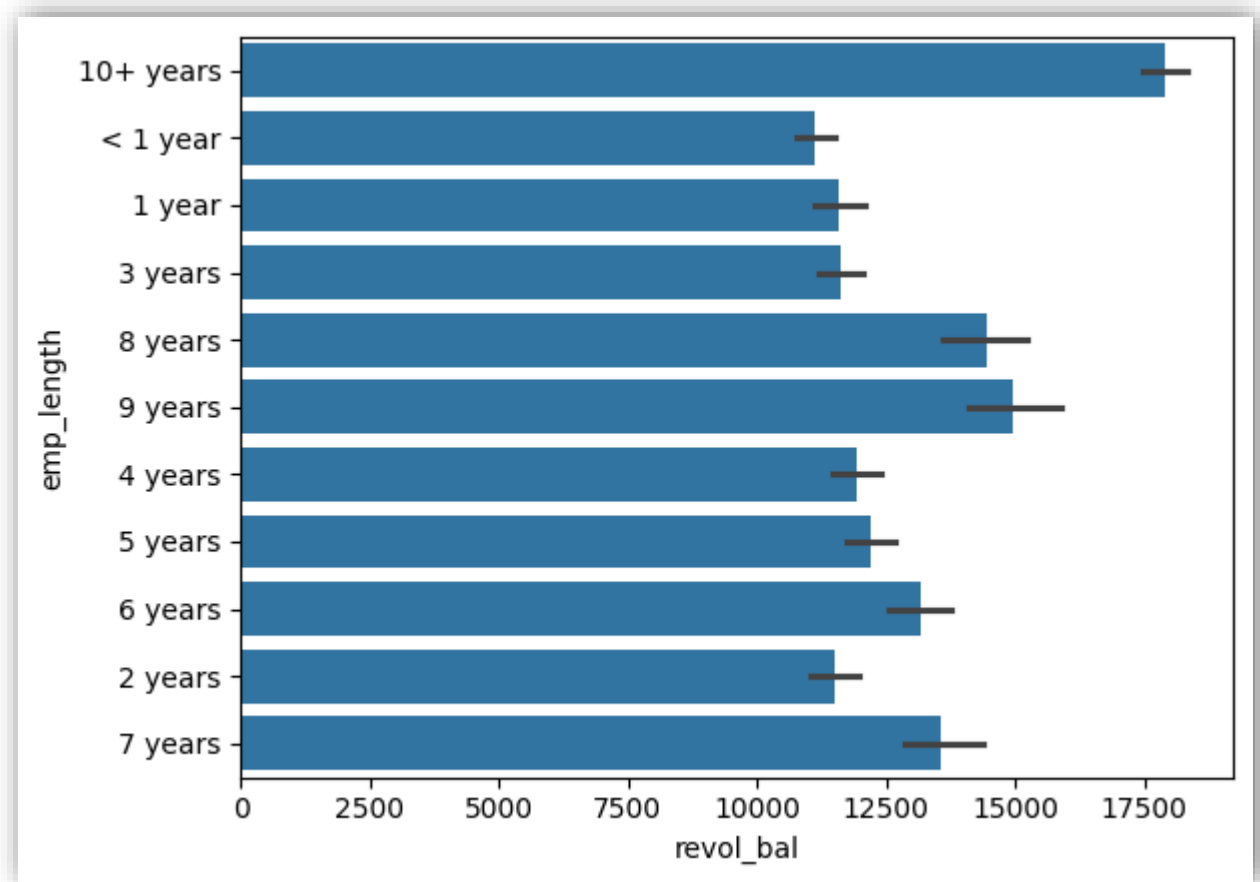


- Open Accounts Vs Loan Status and Purpose
- Total Number of open accounts are Fully paid and Charged off in the loan status
- Max number of opened accounts for open accounts for Credit Card, Educational, Renewable energy and Debt Consolidation purpose

REVOL\_BALANCE VS GRADES

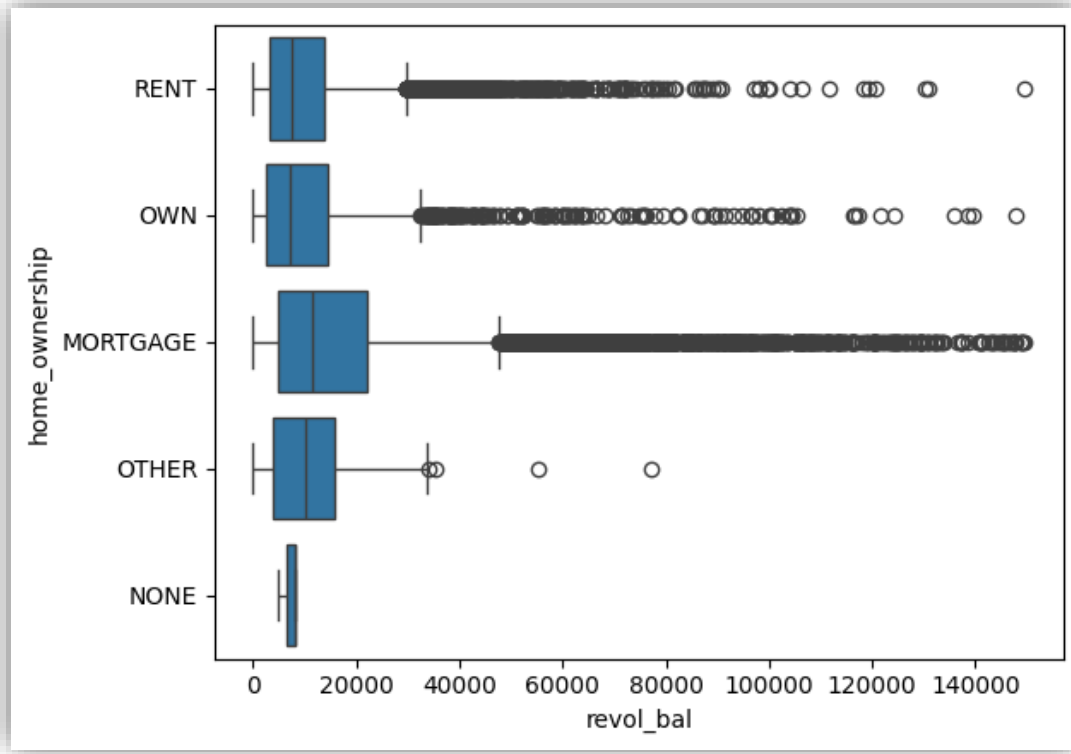


REVOL\_BALANCE VS EMP\_LENGTH

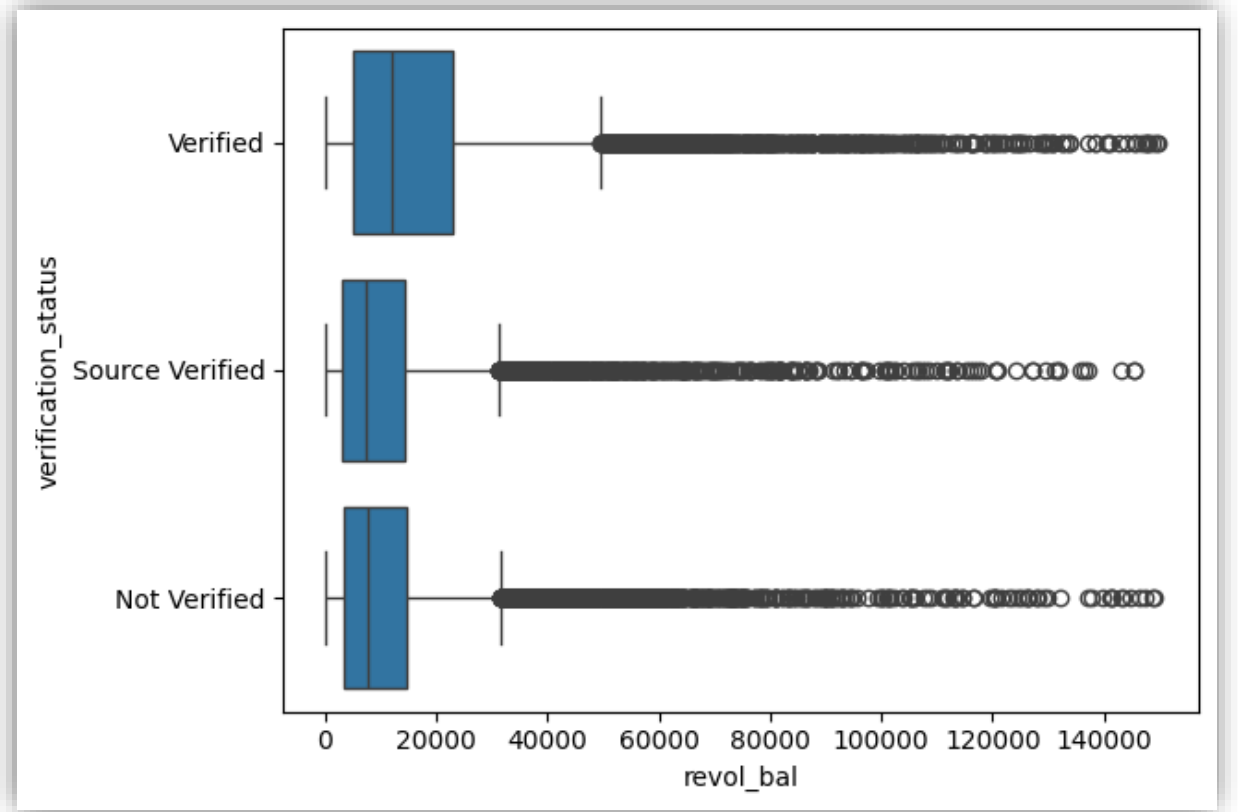


- Revol\_bal vs Grades and Emp Length
- G Grades having more Revol Balance as compared to remaining
- More than 10+ years having high revol balance

REVOL\_BALANCE VS HOME OWNERSHIP

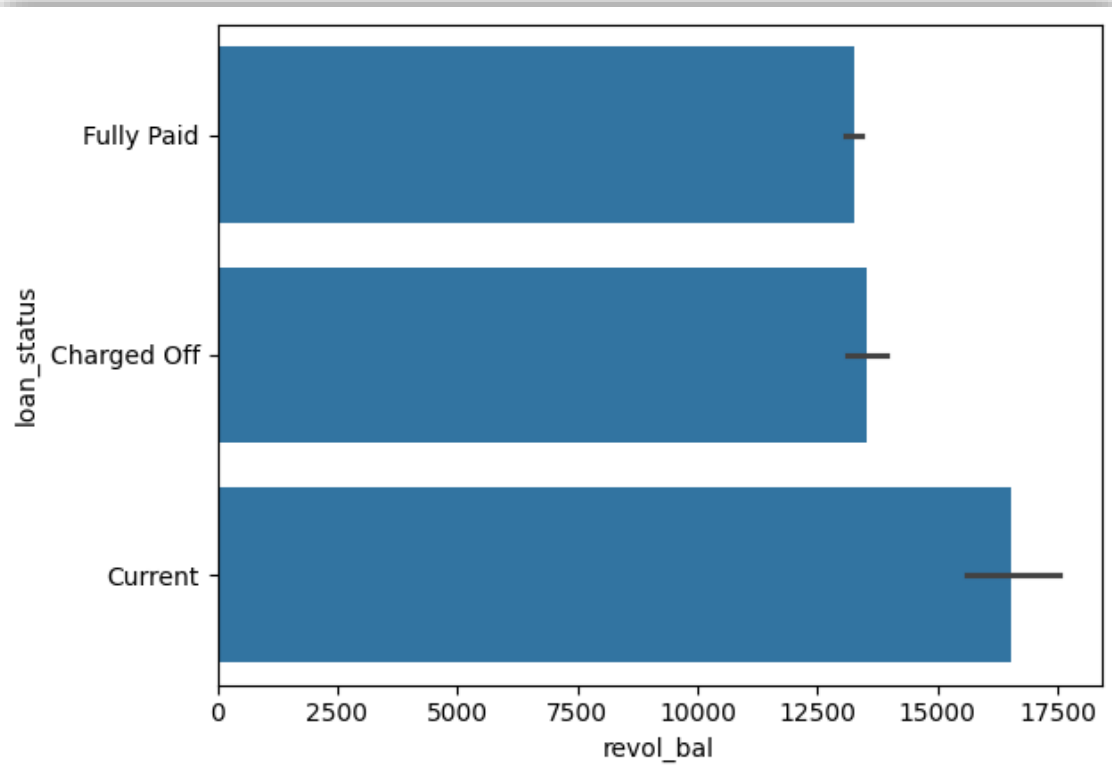


REVOL\_BALANCE VS VERIFICATION STATUS

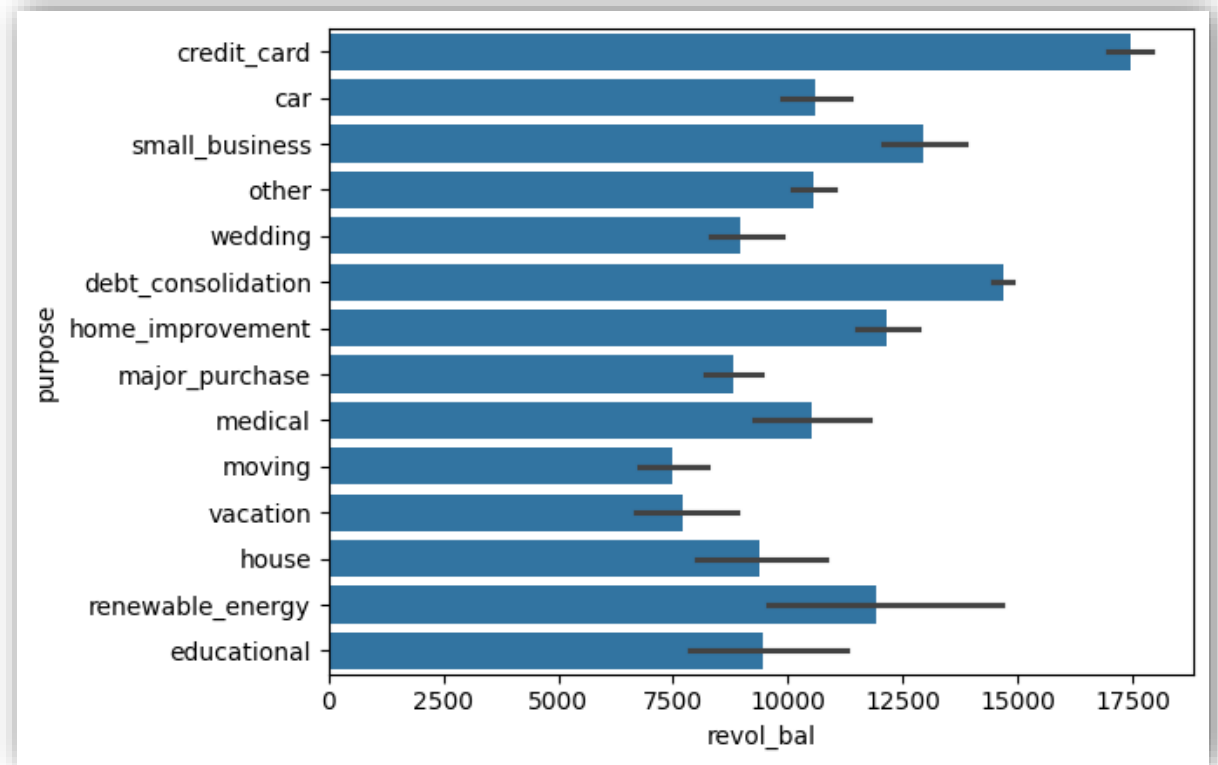


- Revol Balance Vs Home Ownership and Verification Status
- Mortgage Loans having more Revol Balance
- Loan Verified status having high revol Balance as compared to source and Not verified

REVOL\_BALANCE VS LOAN STATUS

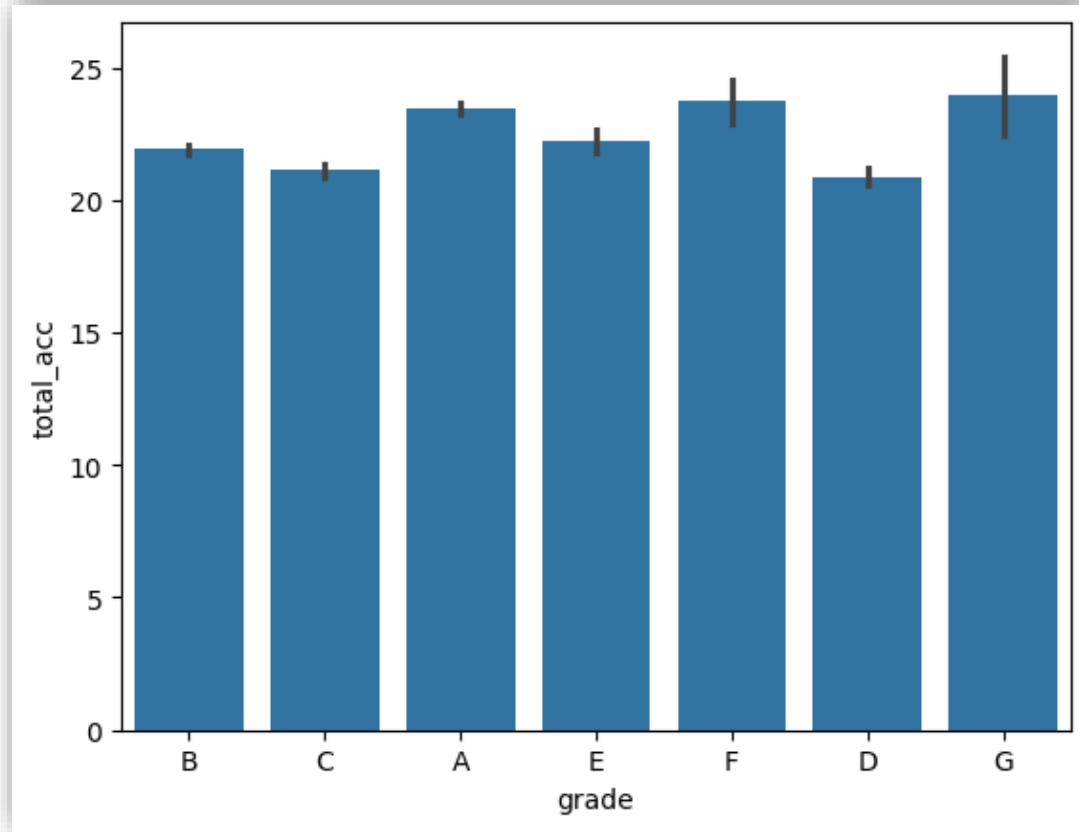


REVOL\_BALANCE VS PURPOSE

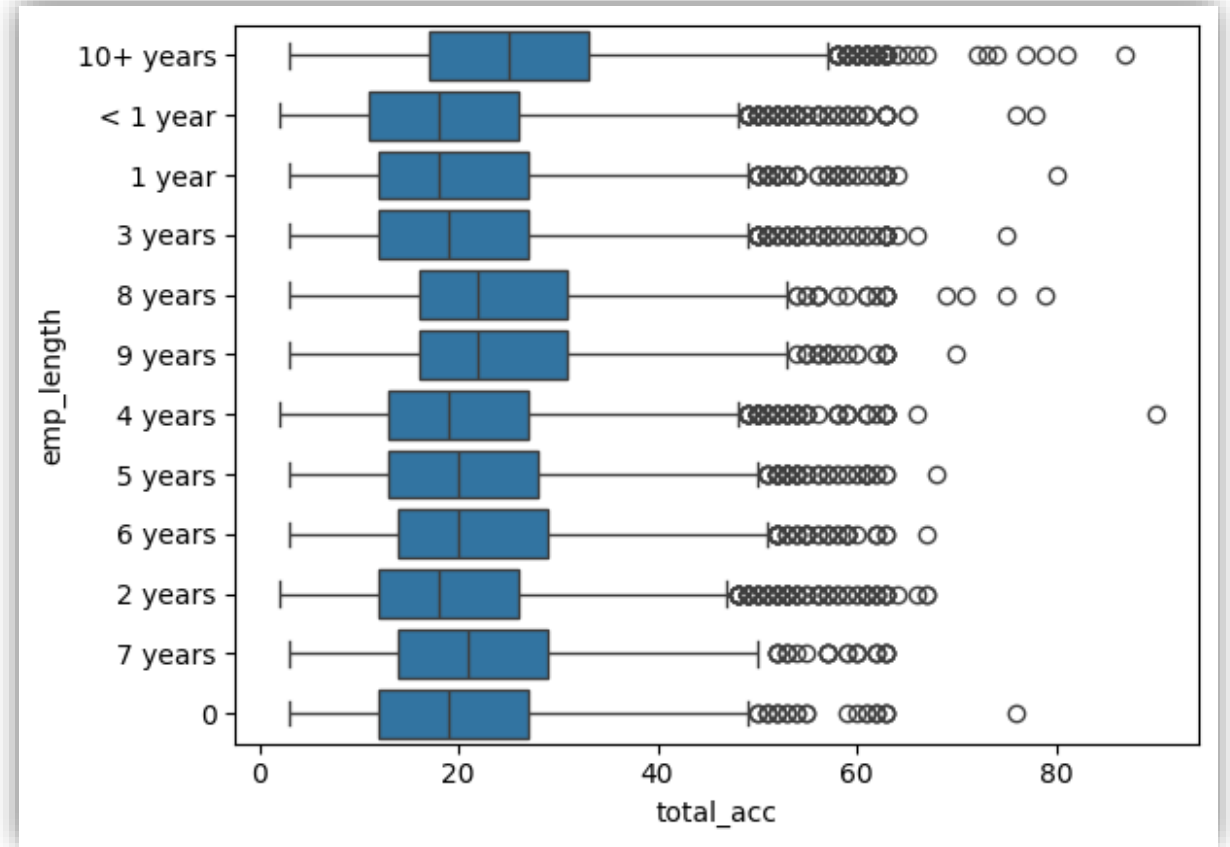


- Revol Balance Vs Loan Status and Purpose
- Revol Balance is high for those who are still paying current loans
- Revol Balance is high for who took Credit card Purpose

TOTAL\_ACCOUNTS VS GRADES



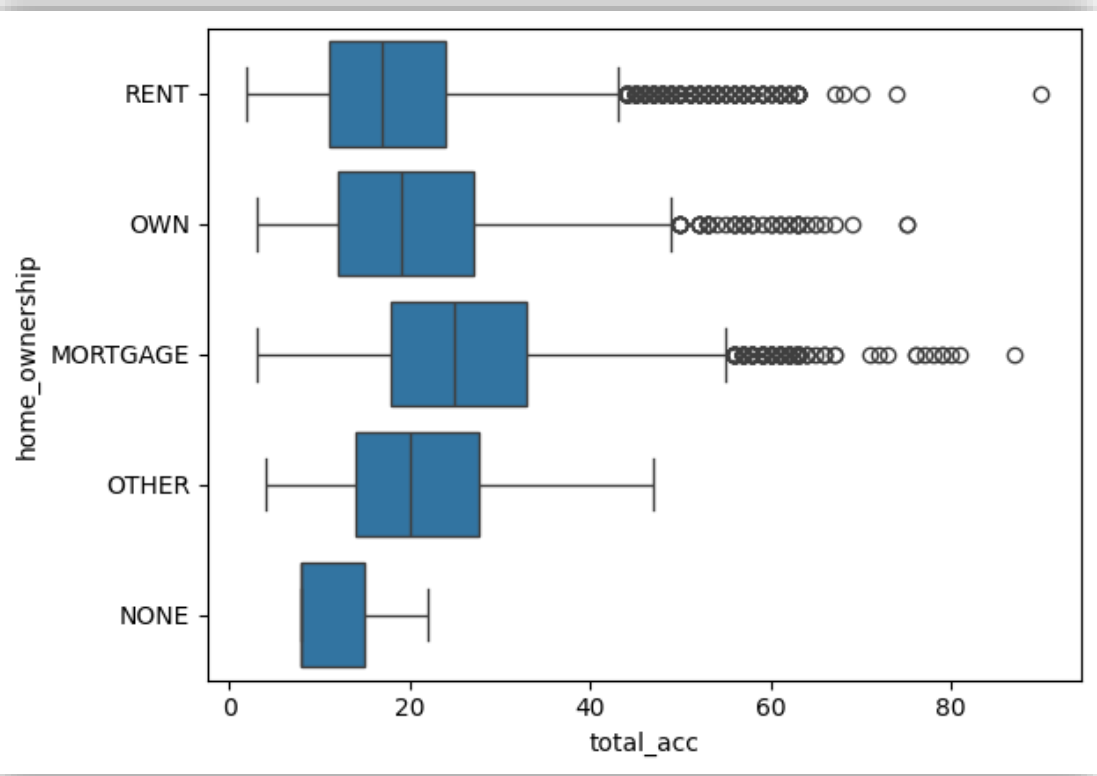
TOTAL\_ACCOUNTS VS EMP\_LENGTH



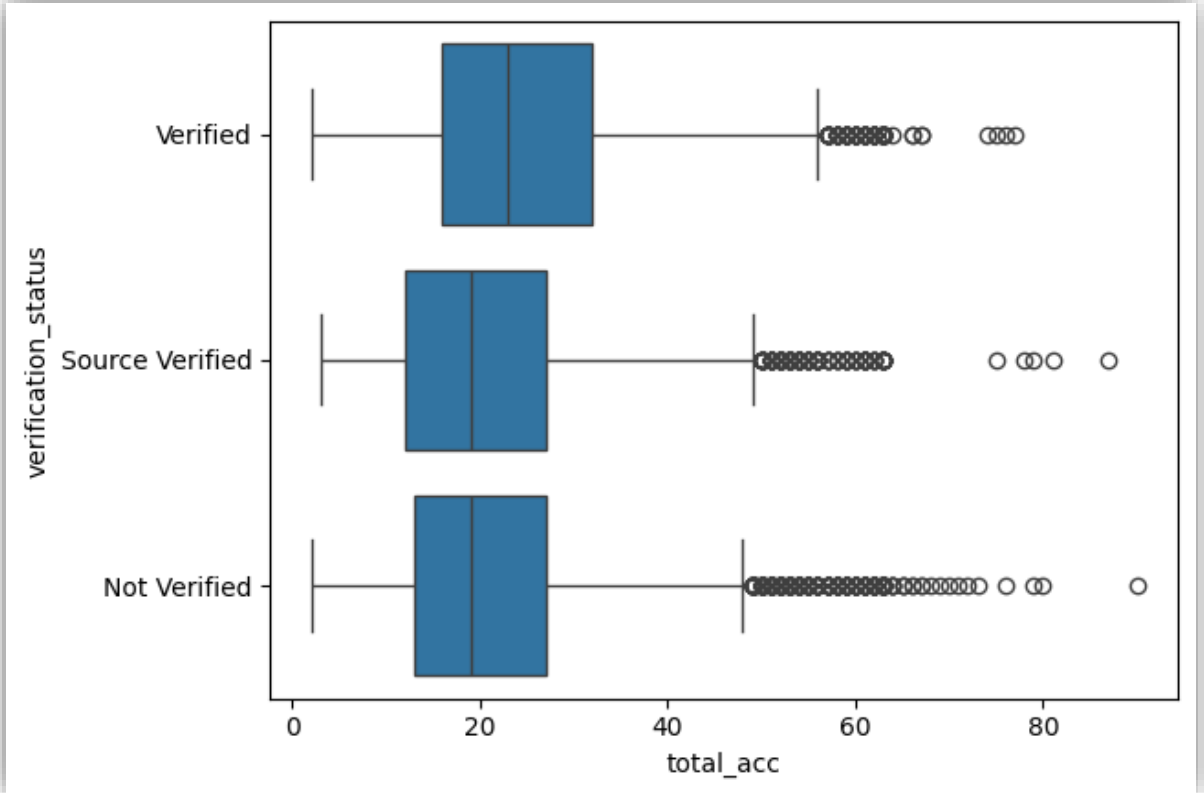
- Total Accounts Vs Grades and emp Length
- G and F grades are having max number of Total Accounts
- Emp Length more than 10+ years having highest Total Accounts



TOTAL\_ACCOUNTS VS HOME\_OWNERSHIP

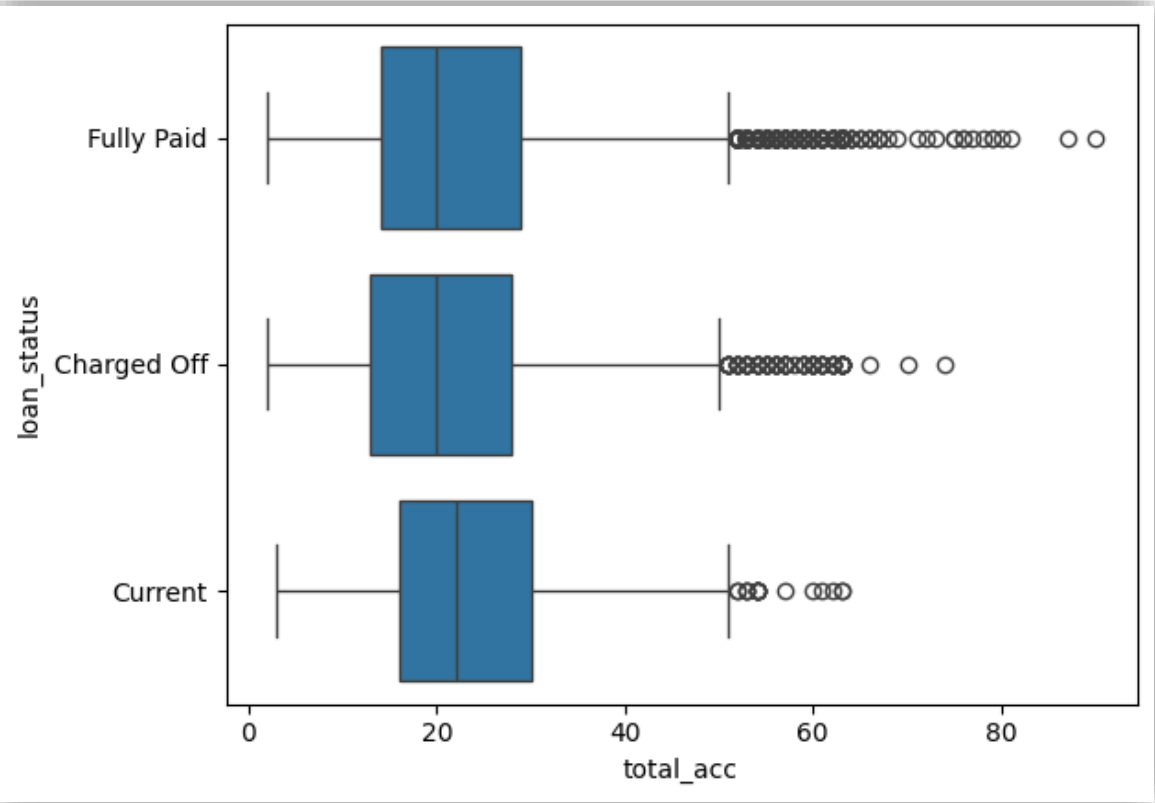


TOTAL\_ACCOUNTS VS VERIFICATION STATUS

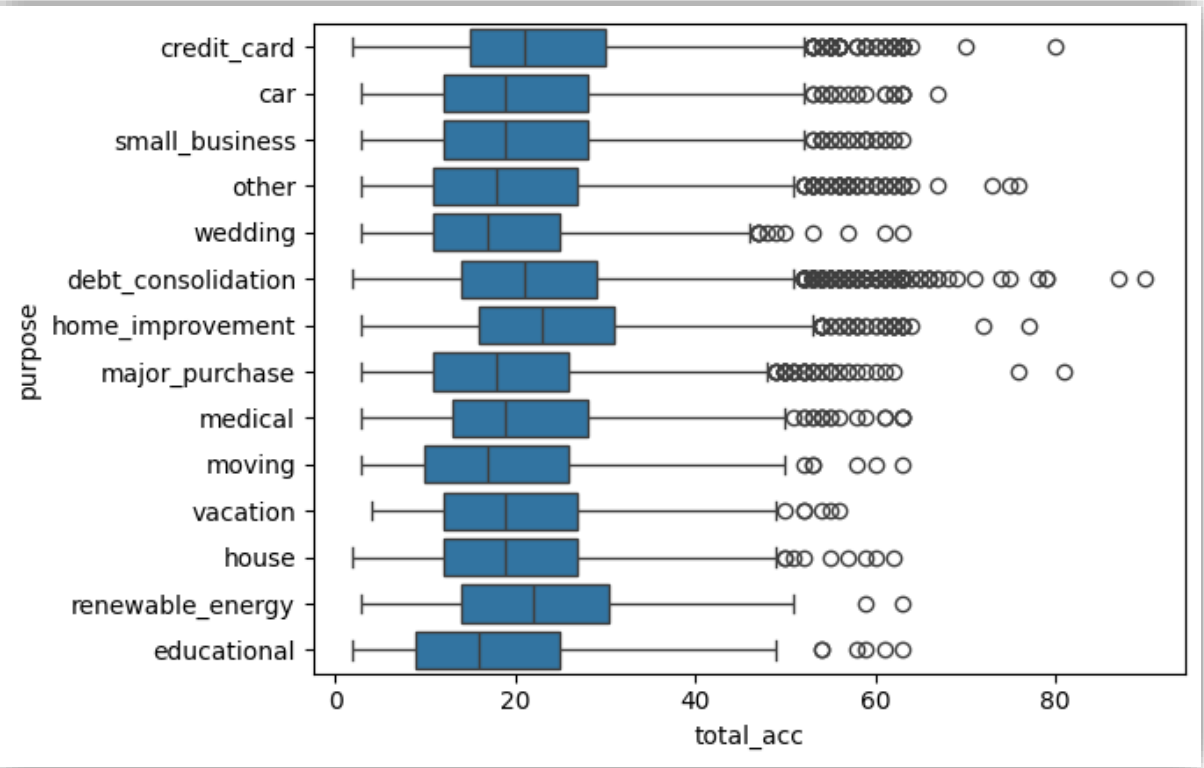


- Total Accounts Vs Home Ownership and Verification status
- Max number of total accounts are high at Mortgage ownerships
- Max number of total accounts are verified in status

TOTAL\_ACCOUNTS VS LOAN\_STATUS

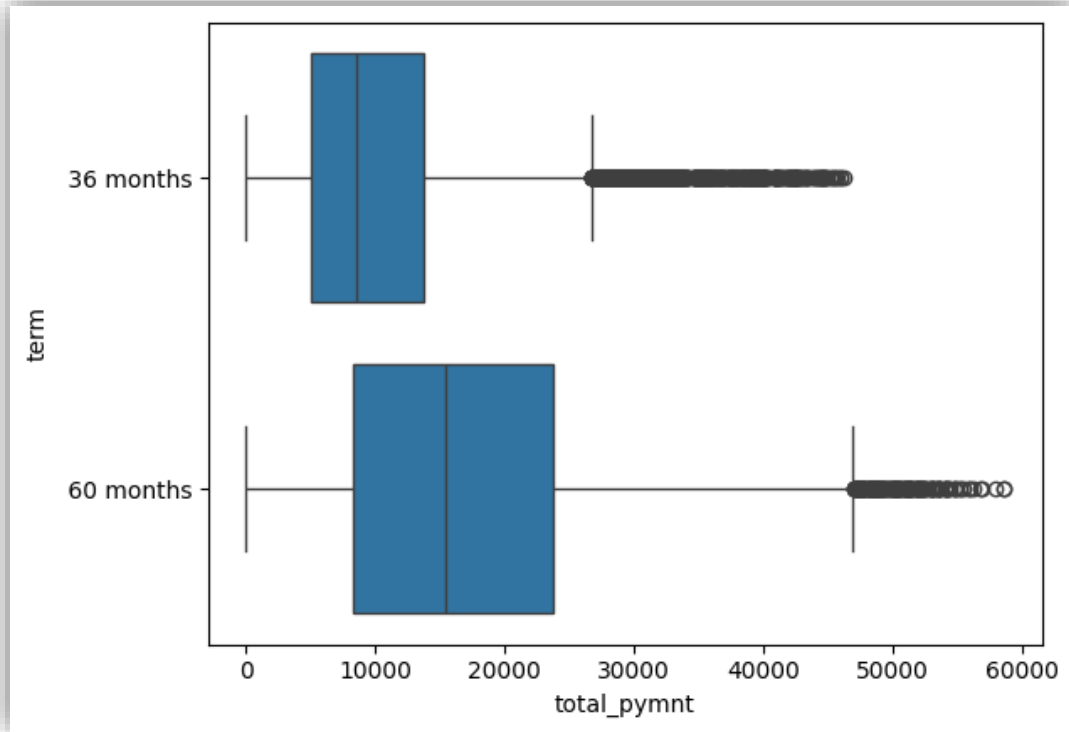


TOTAL\_ACCOUNTS VS PURPOSE

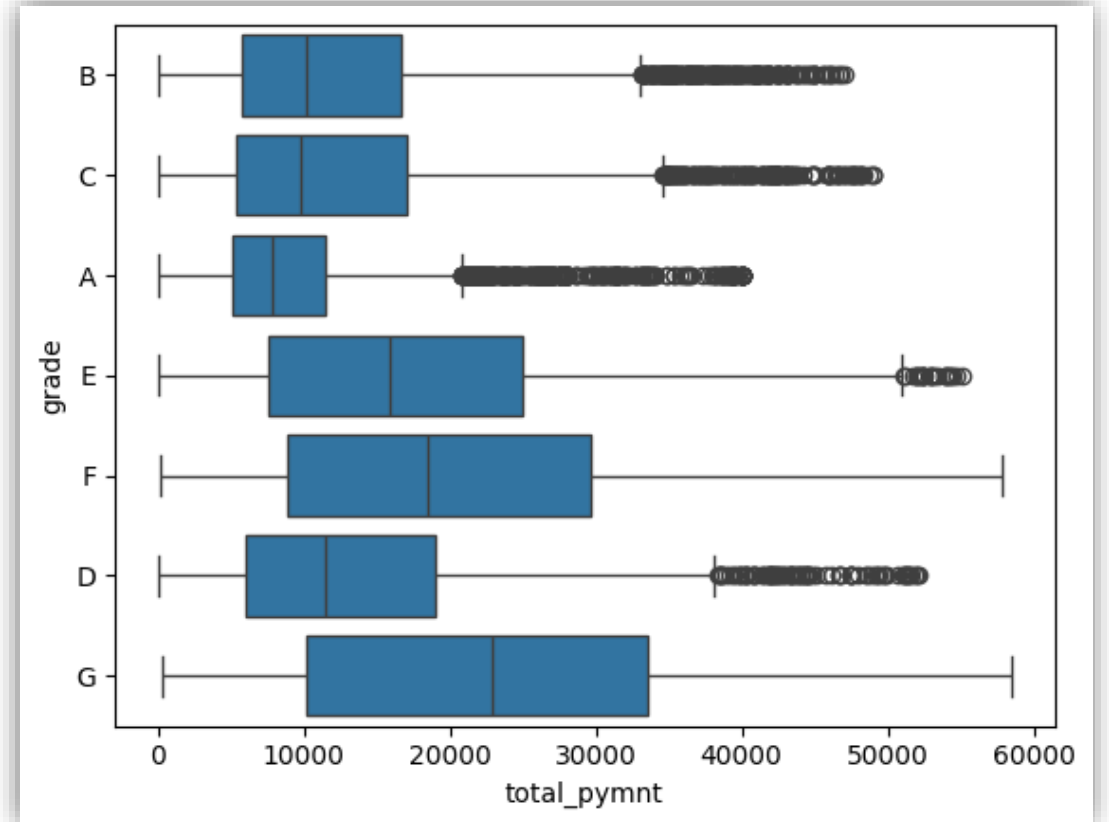


- Total Accounts Vs Loan Status and Purpose
- Current loan status are having more total accounts
- Max number of total accounts opened for home investment purpose

TOTAL\_PAYMENTS VS TERMS

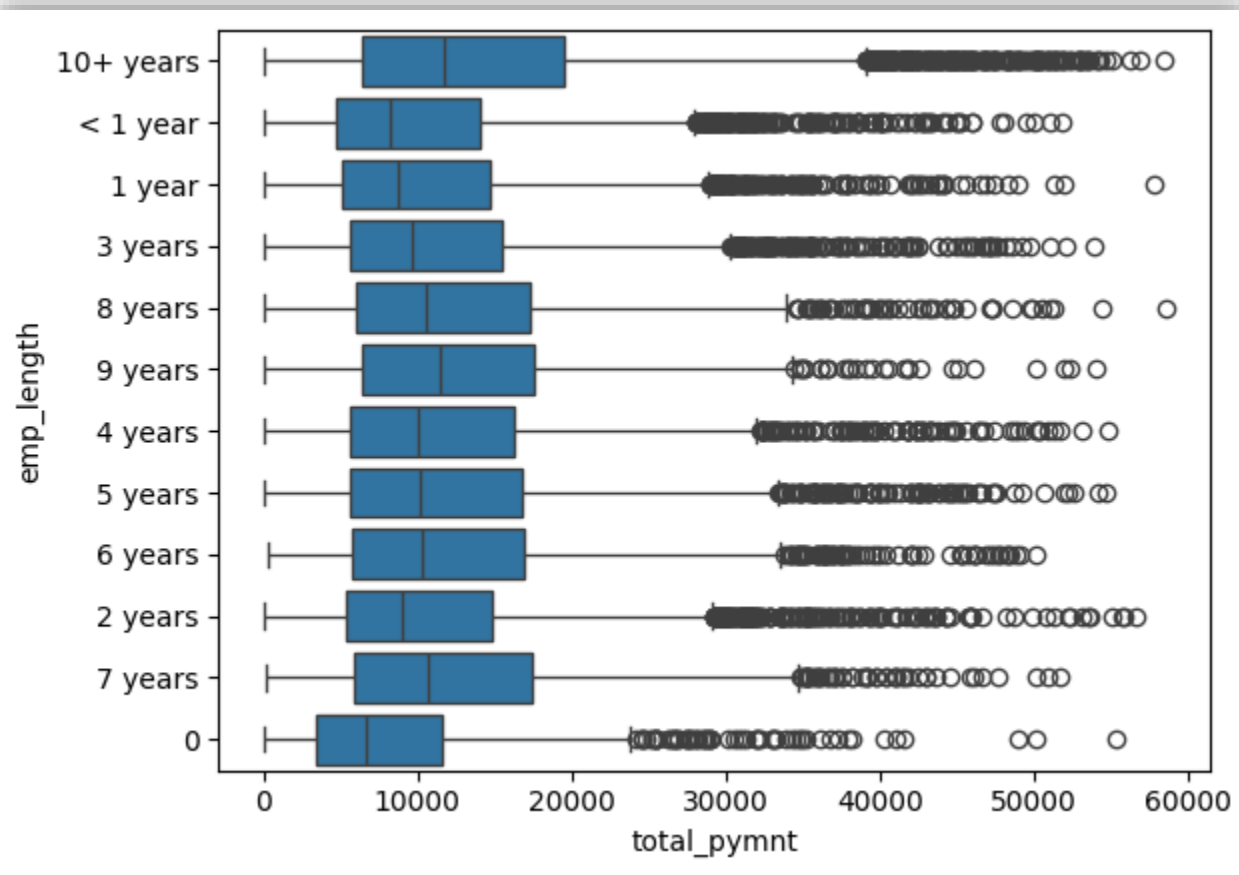


TOTAL\_PAYMENTS VS GRADES

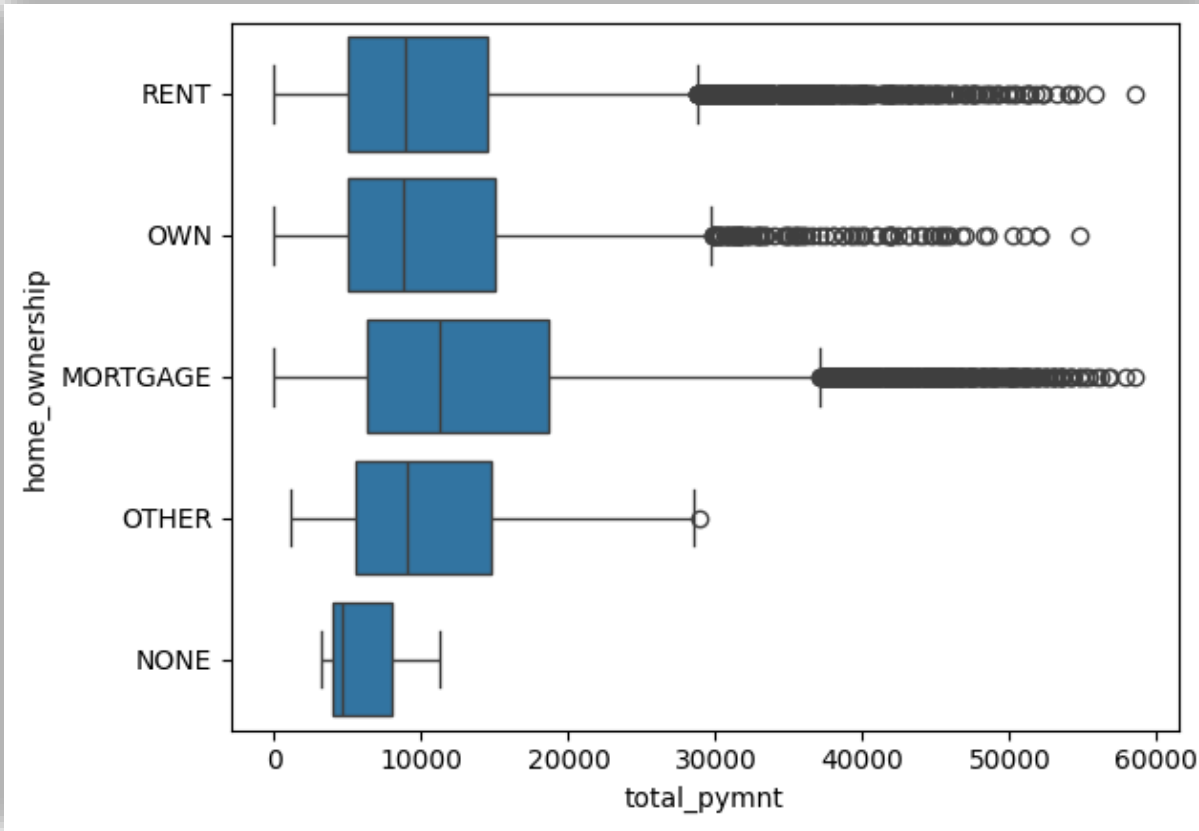


- Total Payments Vs Terms and Grades
- Total payments are max using 60 month Term
- G Grade having max number of Total Payments

TOTAL\_PAYMENTS VS EMP\_LENGTH

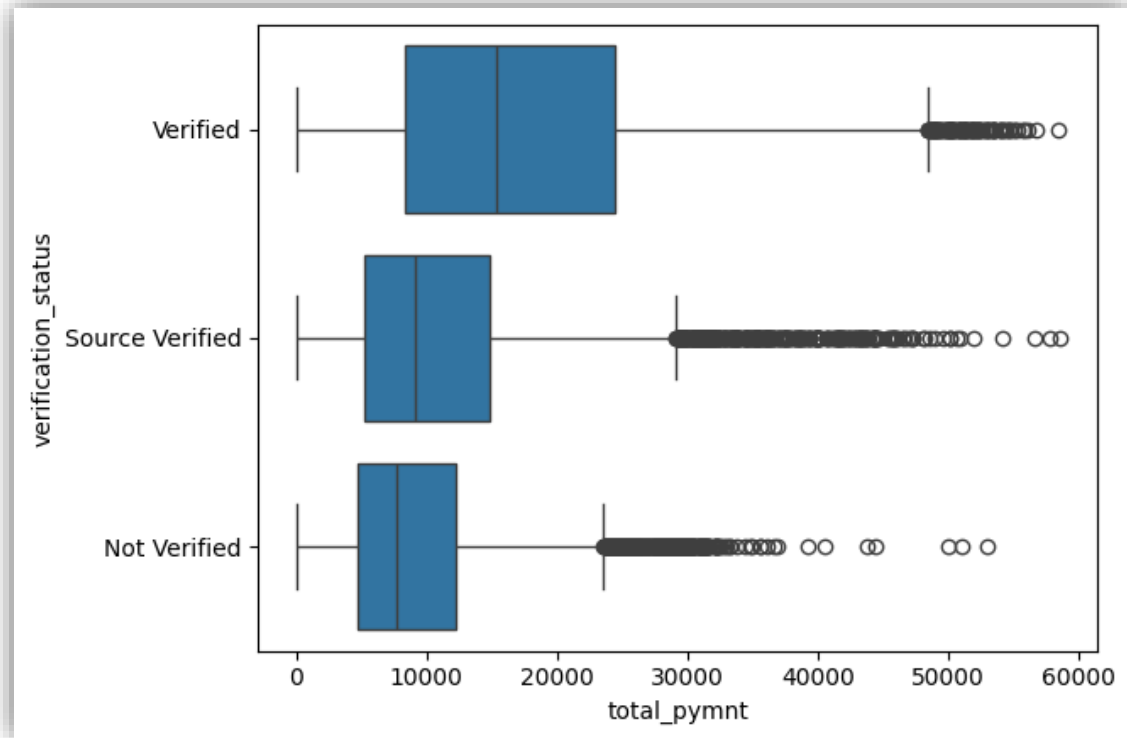


TOTAL\_PAYMENTS VS HOME\_OWNERSHIP

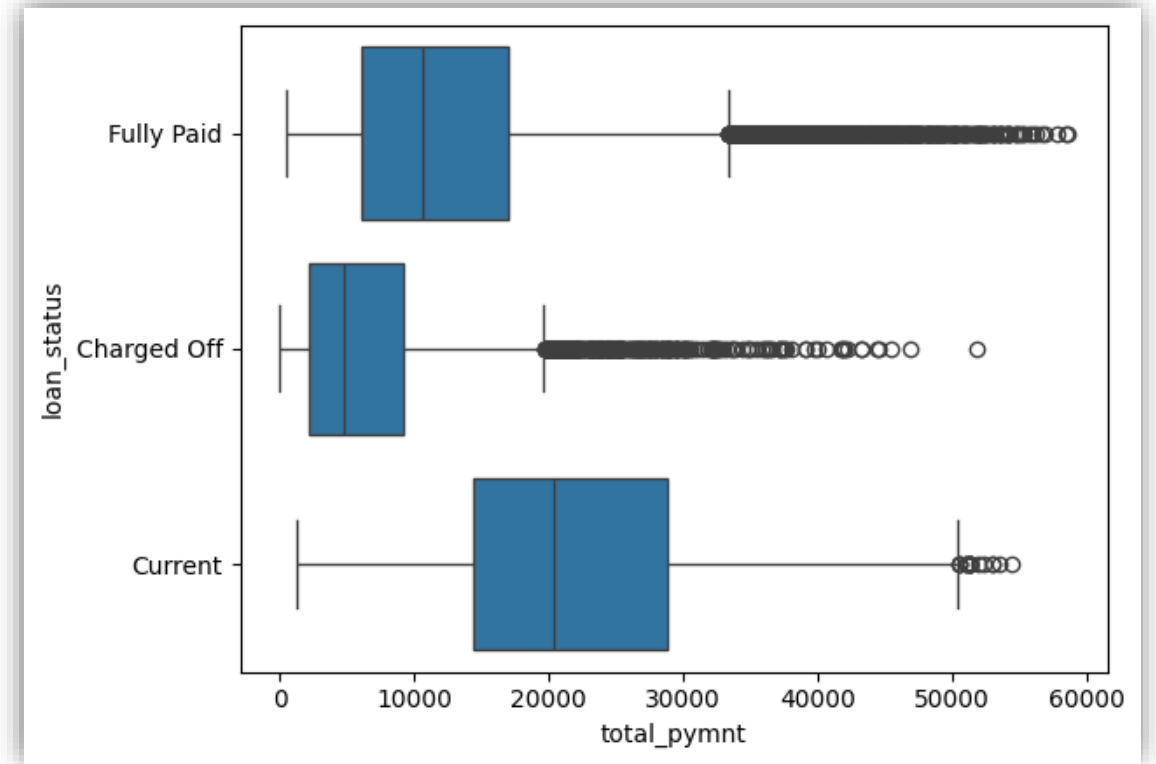


- Total Payments Vs Emp length and Home ownership
- Max number of Total Payments are received from more than 10+ years emp length
- Max number of Total payments are received from Mortgage ownership

TOTAL\_PAYMENTS VS VERIFICATION STATUS

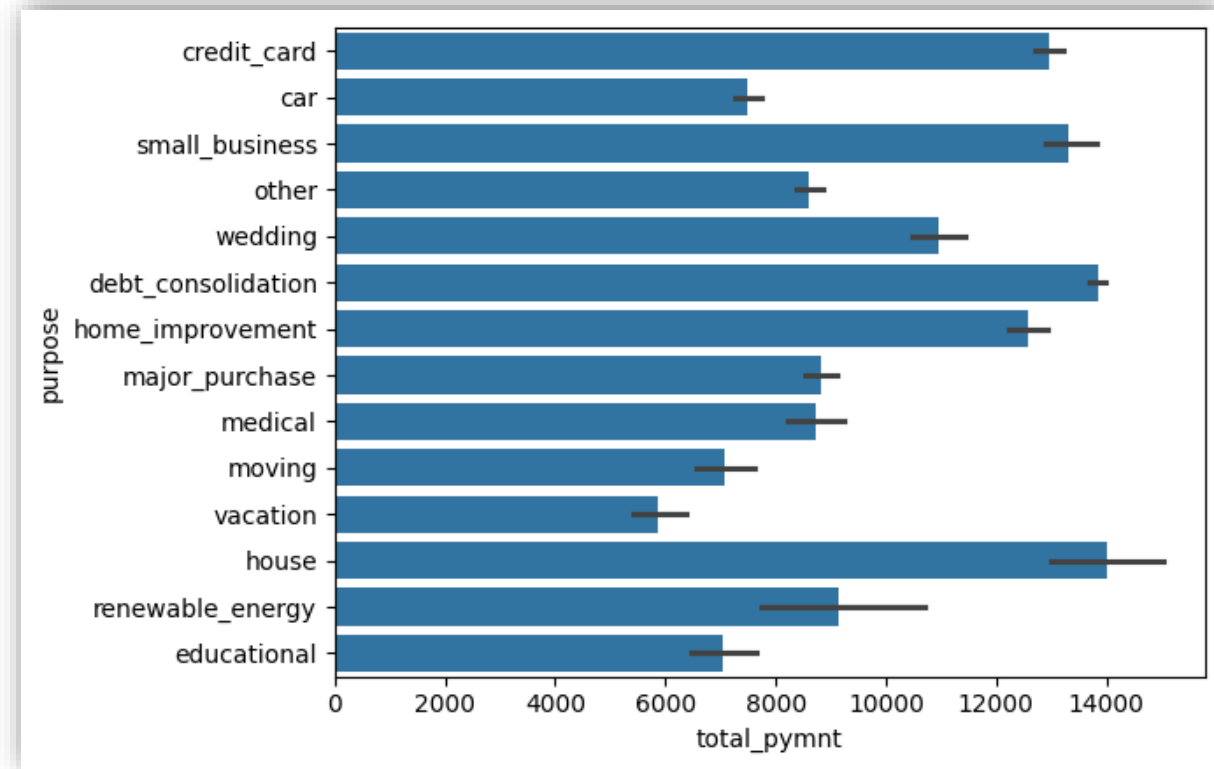
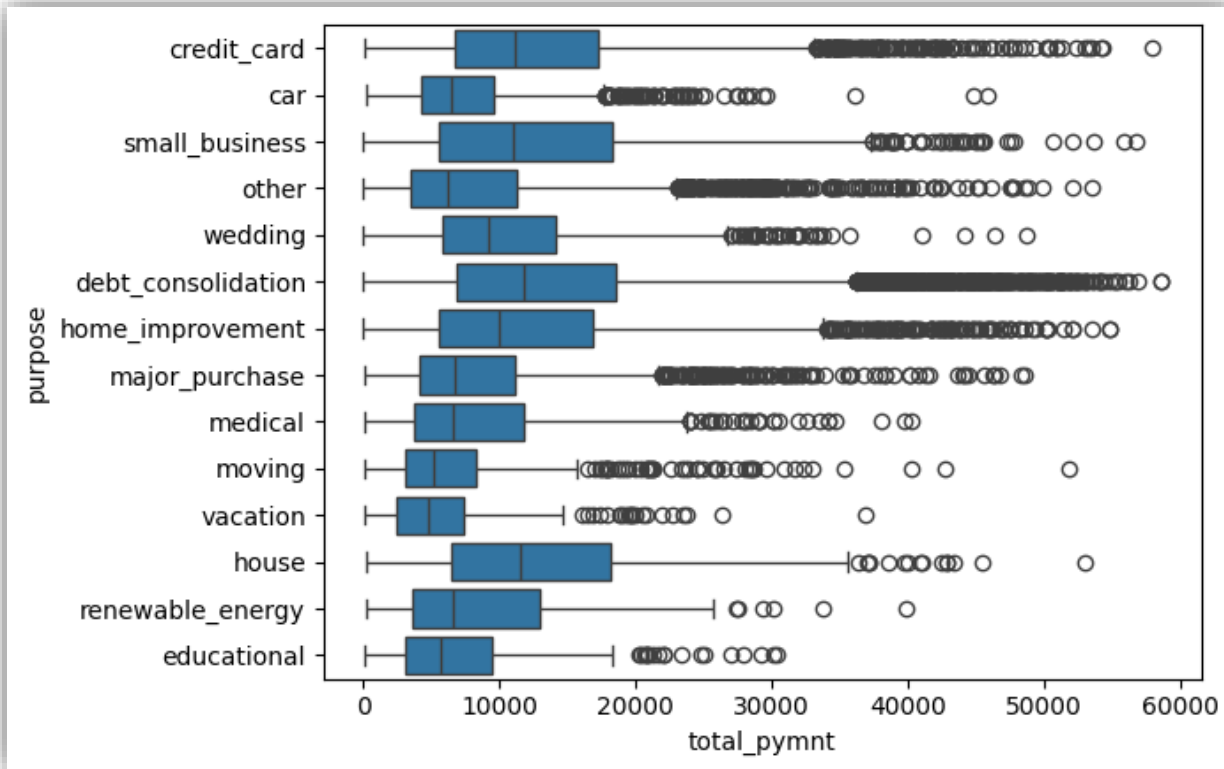


TOTAL\_PAYMENTS VS LOAN\_STATUS



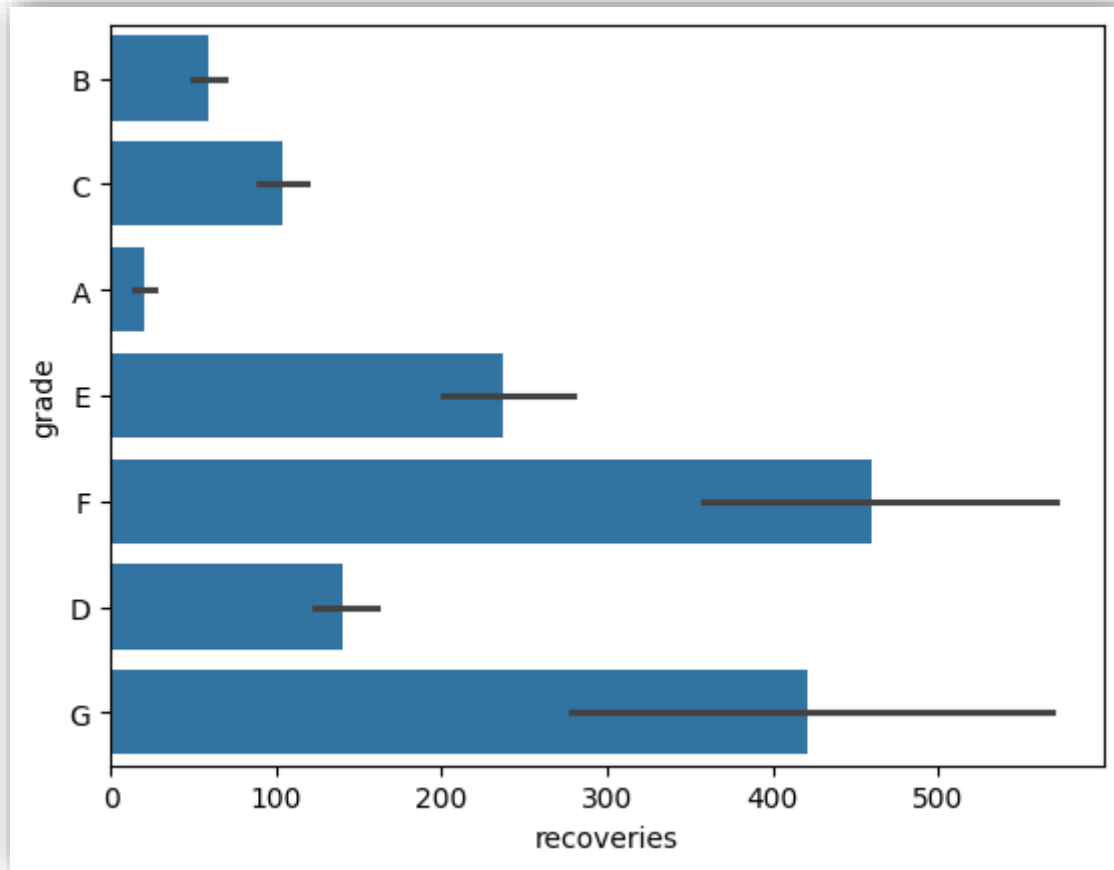
- Total Payments Vs Verification Status and loan status
- Max number of total payments are Verified
- Max number of total payments are still current in loan status, less in charged off

## TOTAL\_PAYMENTS VS PURPOSE

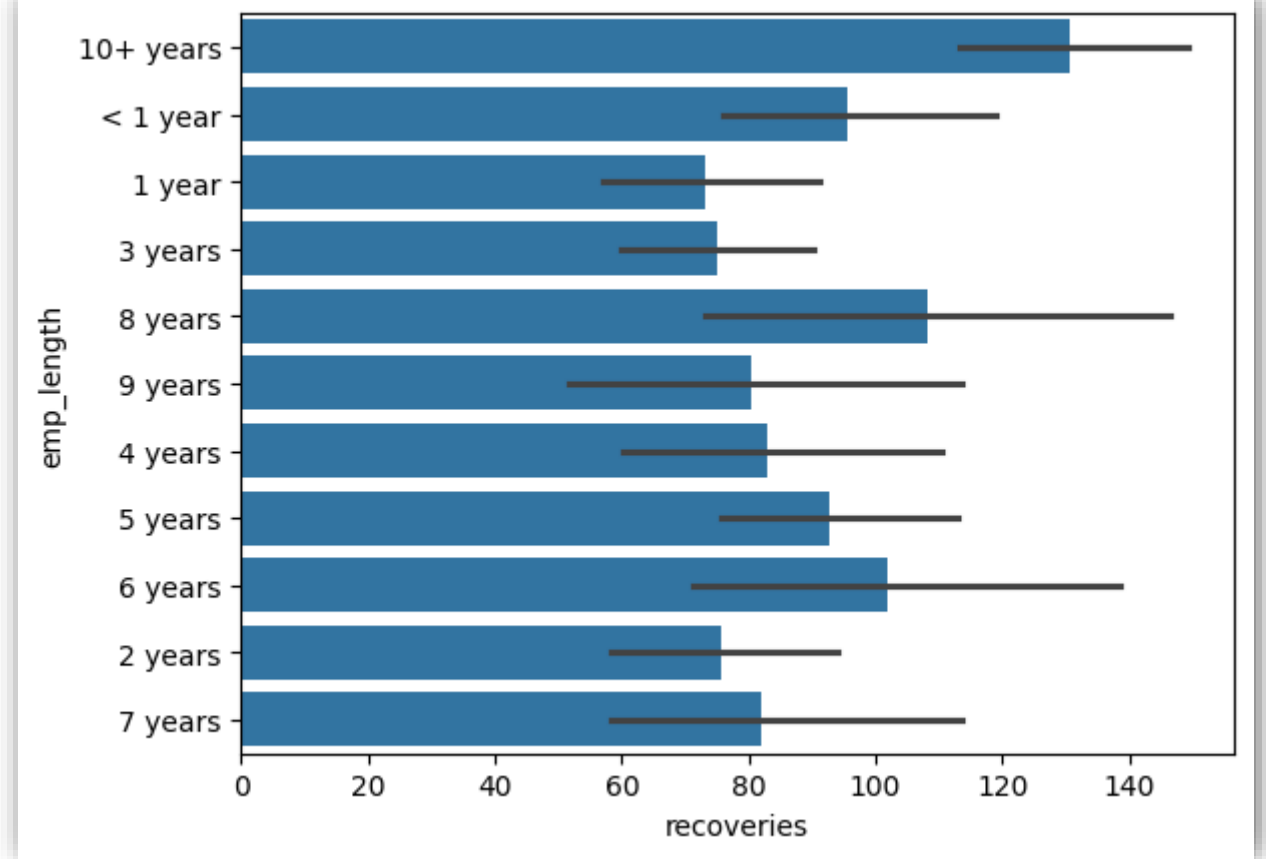


- Total Payments Vs Purpose
- Max number of total payments are received from House and Debt consolidation purpose

# RECOVERIES VS GRADES

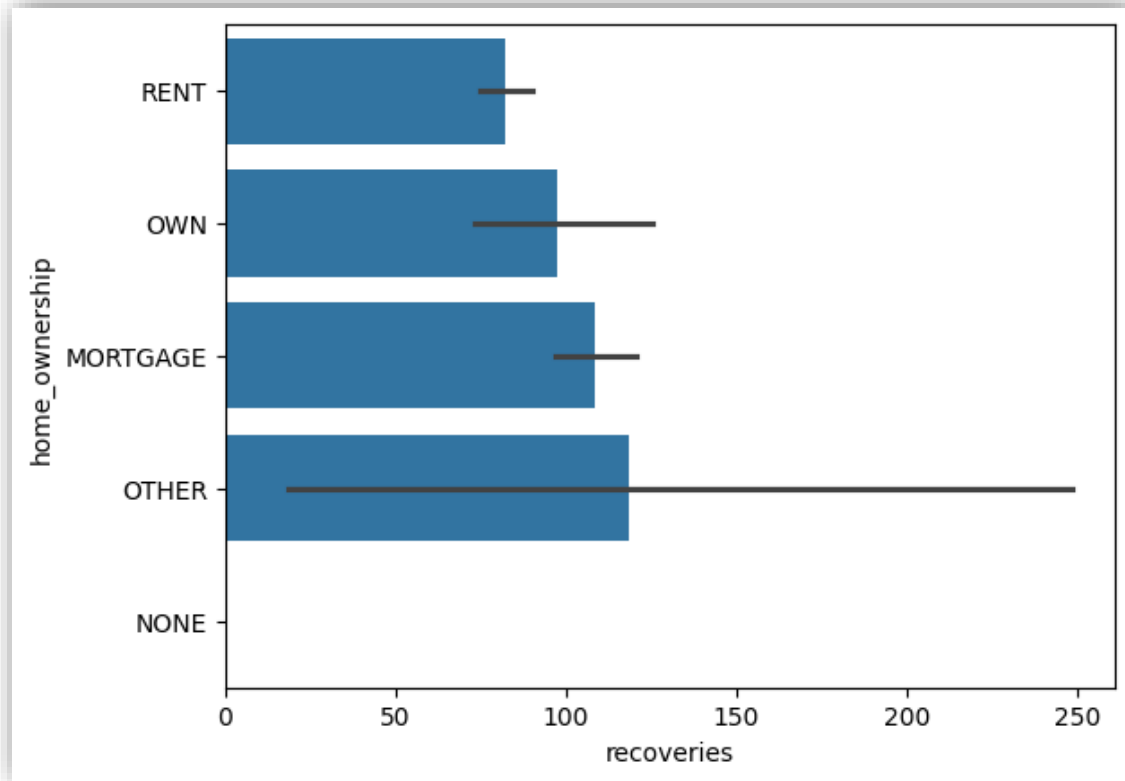


# RECOVERIES VS EMP\_LENGTH

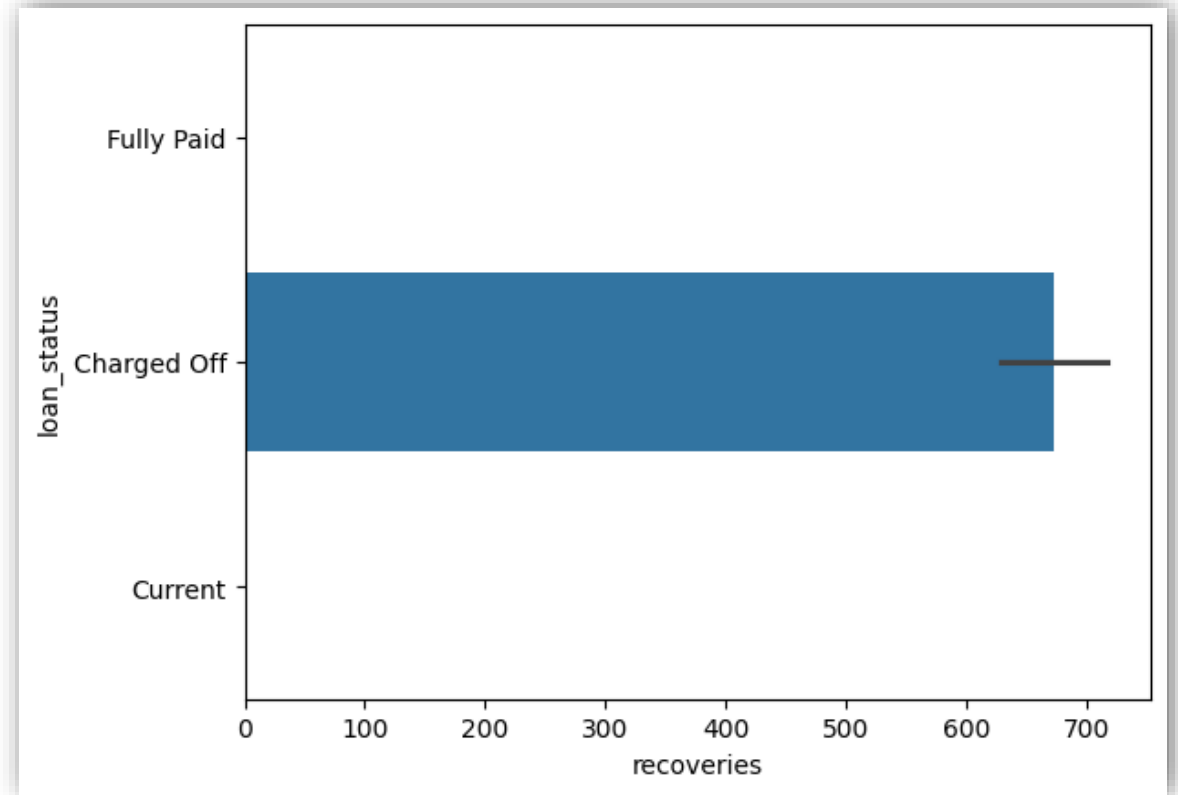


- Recoveries Vs Grades and Emp Length
- More recoveries had done in Grade E and G
- More recoveries are with more than 10+ years emp length

RECOVERIES VS HOME OWNERSHIP



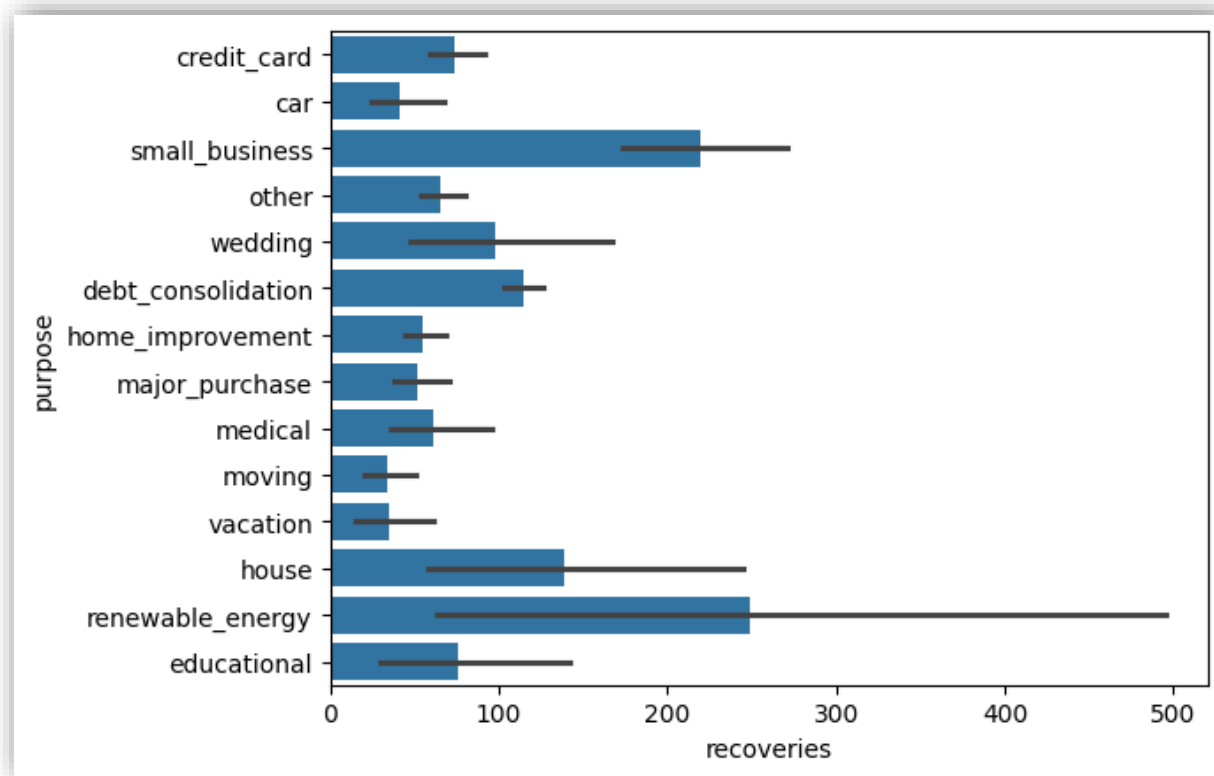
RECOVERIES VS LOAN\_STATUS



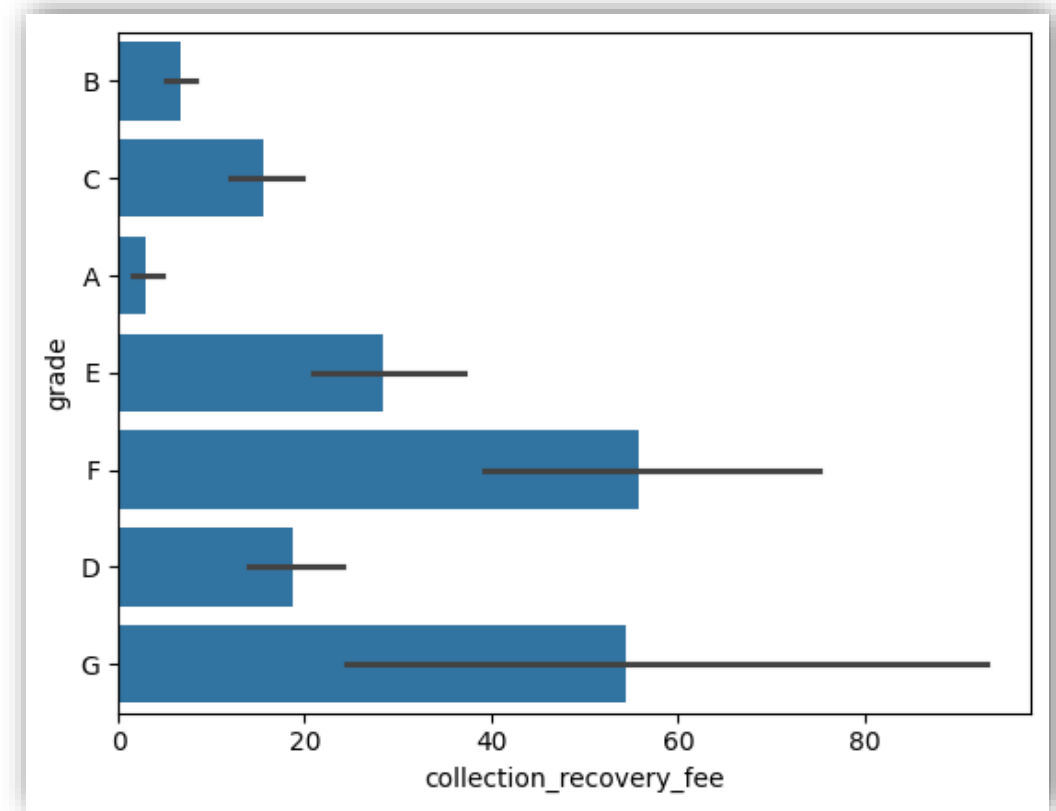
- Recoveries Vs home ownership and loan status
- More recoveries had done in other home ownerships
- All recoveries are had charged off in loan status



## RECOVERIES VS PURPOSE

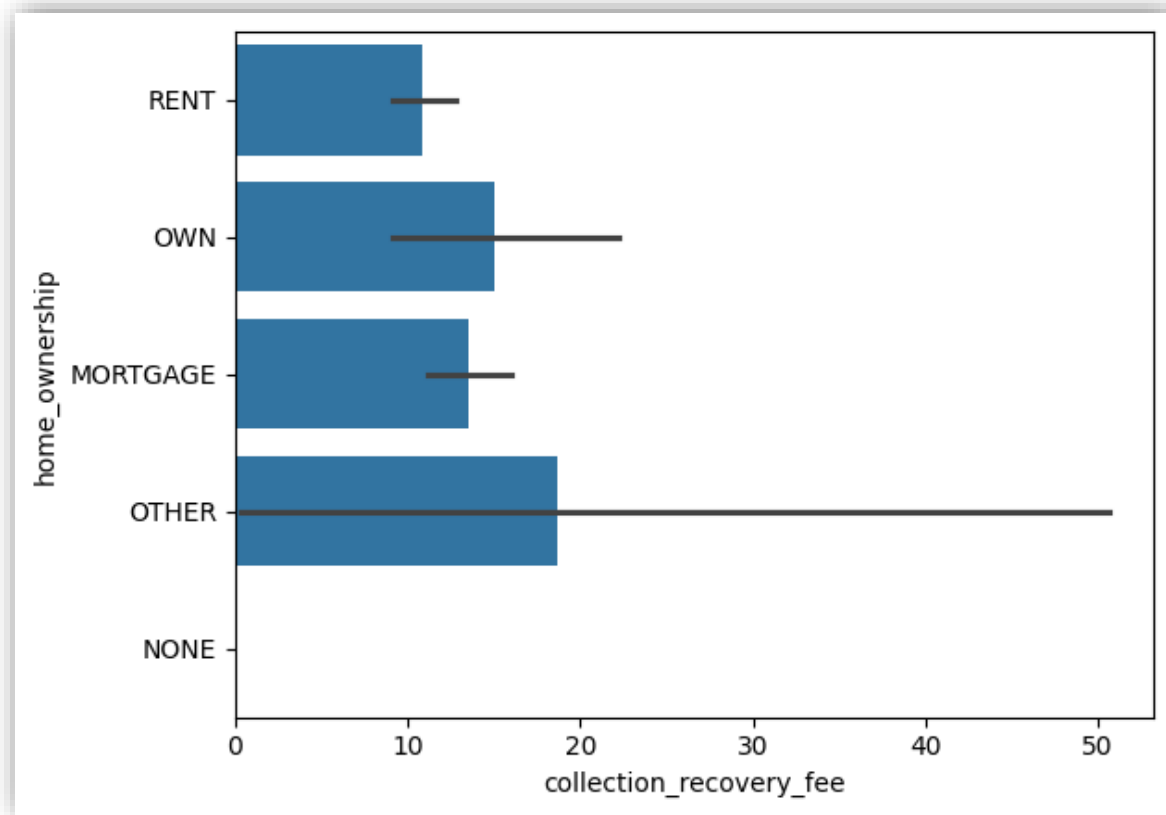


## COLLECTION RECOVERY FEE VS GRADE

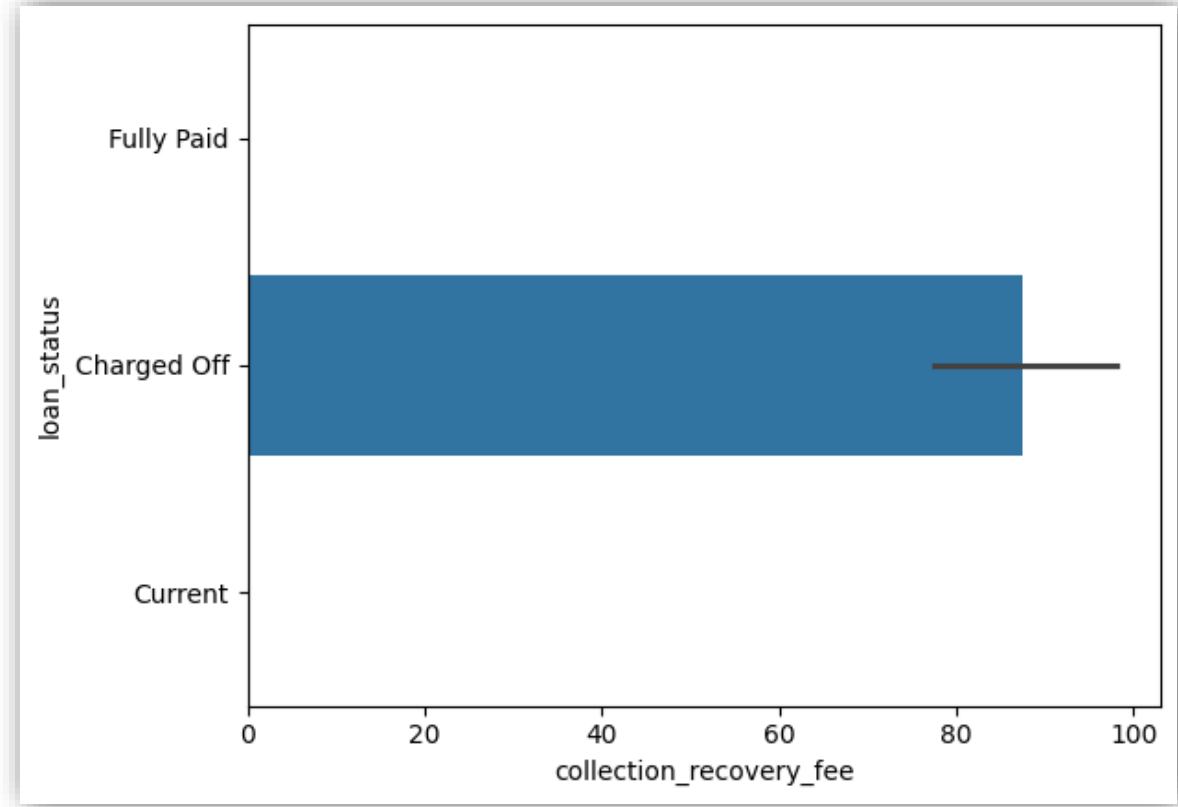


- Recoveries Vs Purpose and Collection Recovery Fee Vs Grade
- More recoveries had done in Renewable energy and Small business purpose
- Max collection recovery fee are paid by G and F Grades

COLLECTION RECOVERY FEE VS HOMEOWNERSHIP

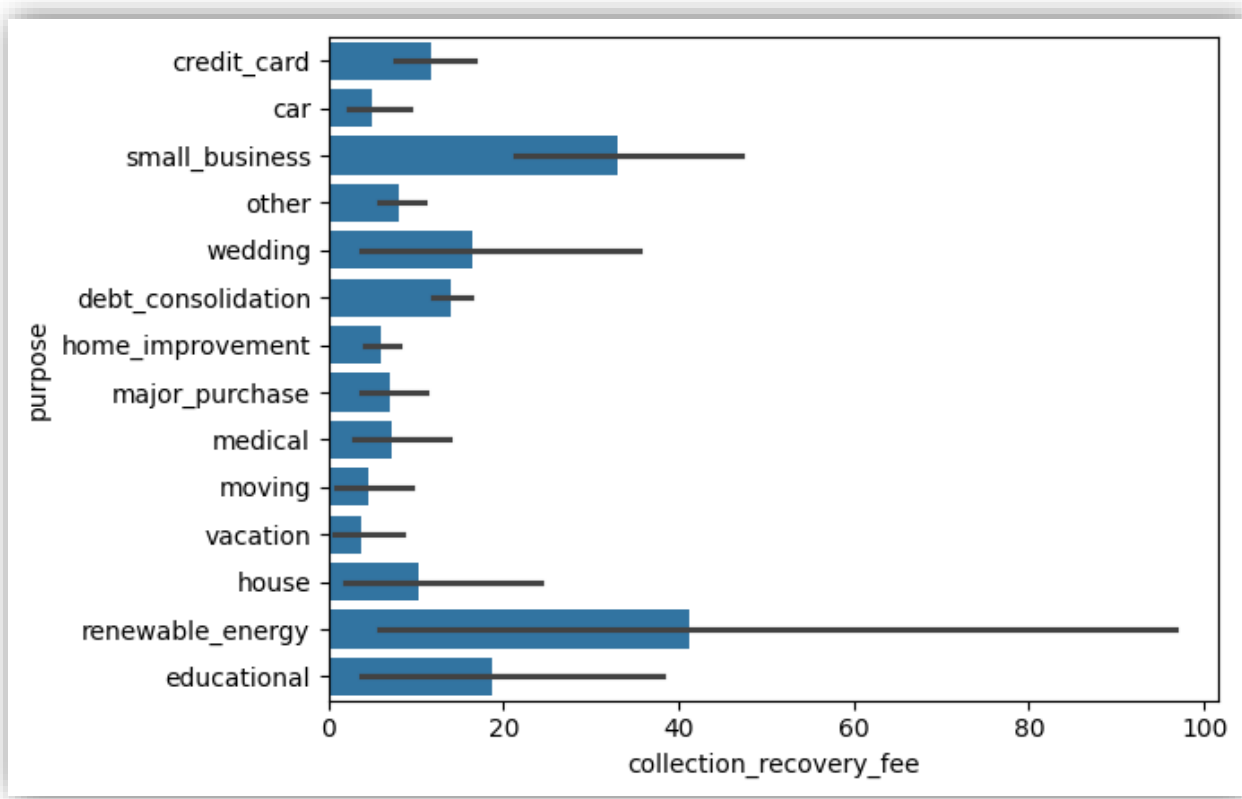


COLLECTION RECOVERY FEE VS LOAN\_STATUS



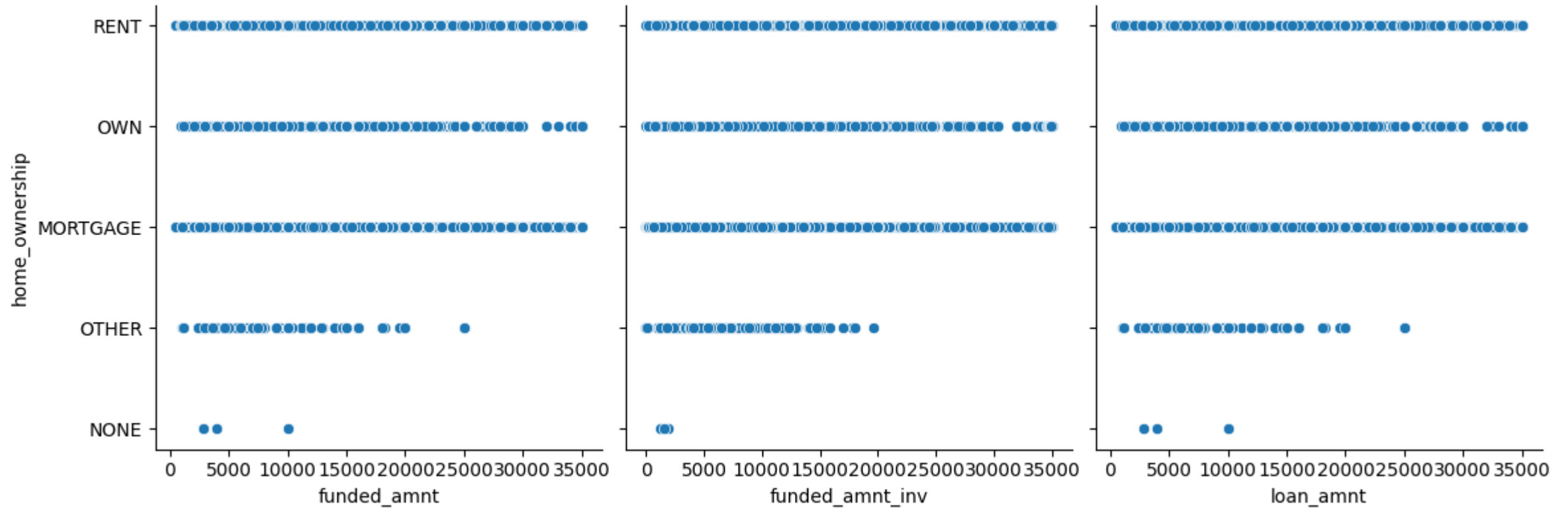
- Collection Recovery Fee Vs home ownership and loan status
- More recoveries fees had paid for those who have Mortgage ownerships
- All collection recovery fee are charged off in loan status

# COLLECTION RECOVERY FEE VS HOMEOWNERSHIP



- Collection Recovery Fee Vs Purpose
- Max recoveries fees had paid due to renewable energy purpose and small business as well

## HOME OWNERSHIP VS ( FUNDED AMOUNT , FUNDED AMOUNT INV AND LOAN AMOUNT )



- Difference of all amount related to home ownerships

# MULTIVARIATE ANALYSIS

