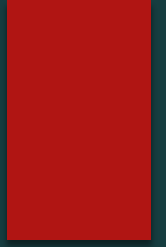


CREDIT LOAN CASE STUDY

BY ISRAR



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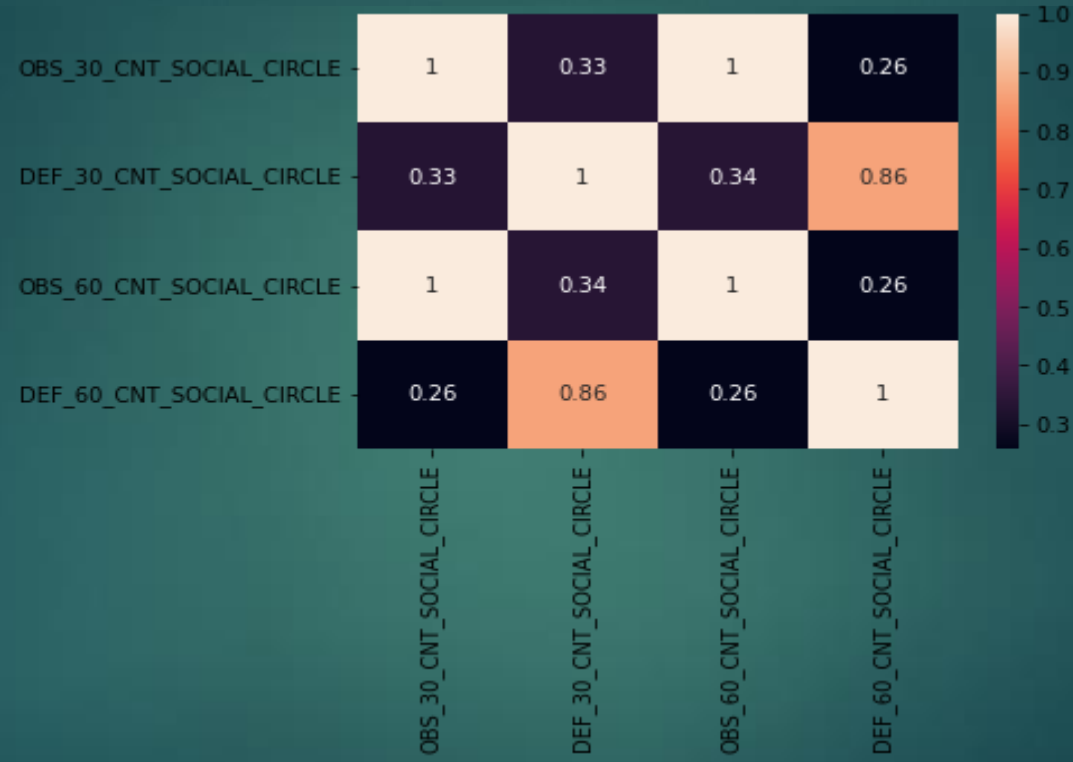
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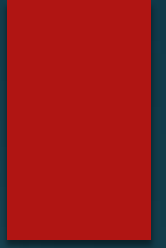
0.0 0.2 0.4 0.6 0.8 1.0



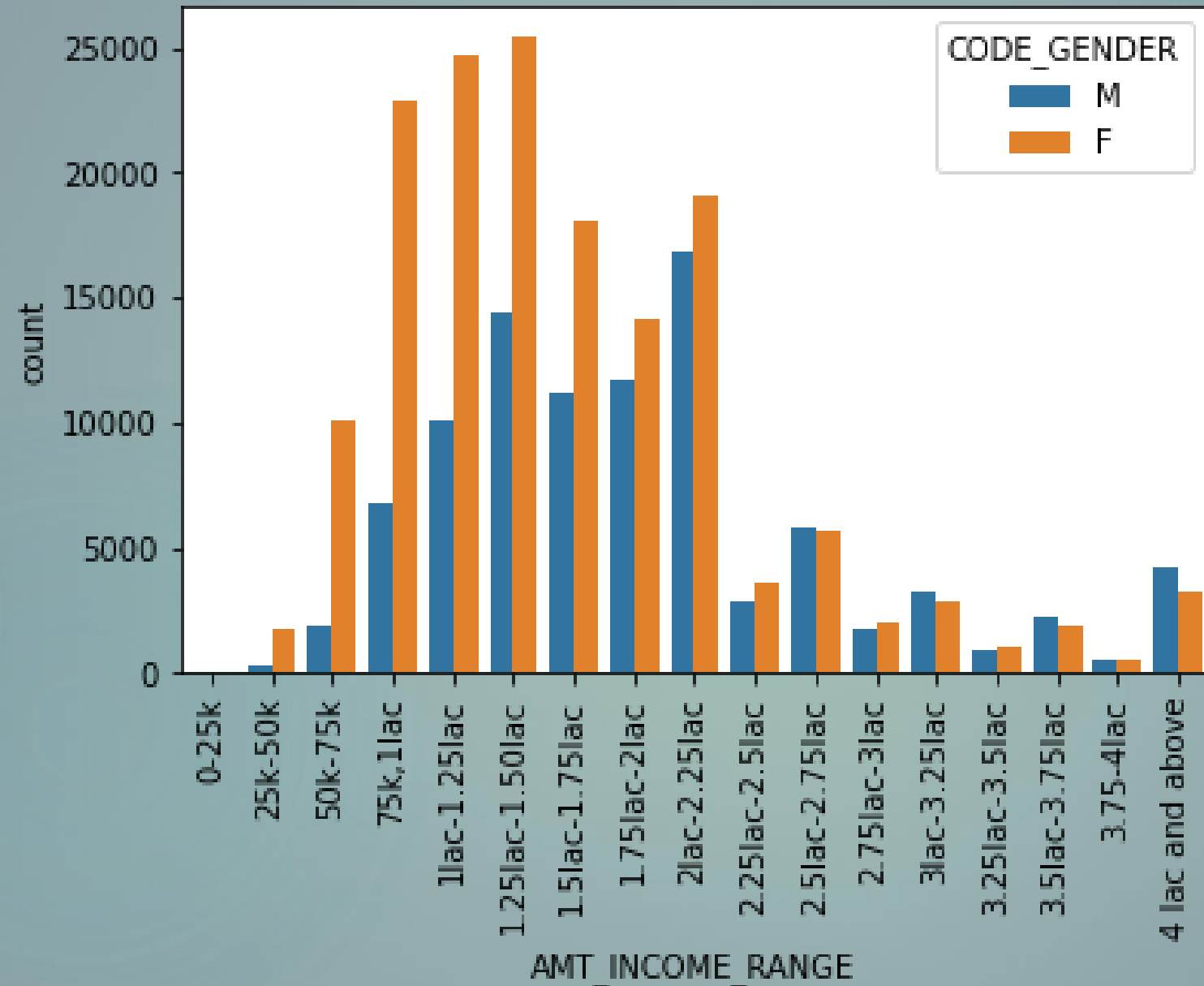
CORELATION BETWEEN SOCIAL CIRCLE

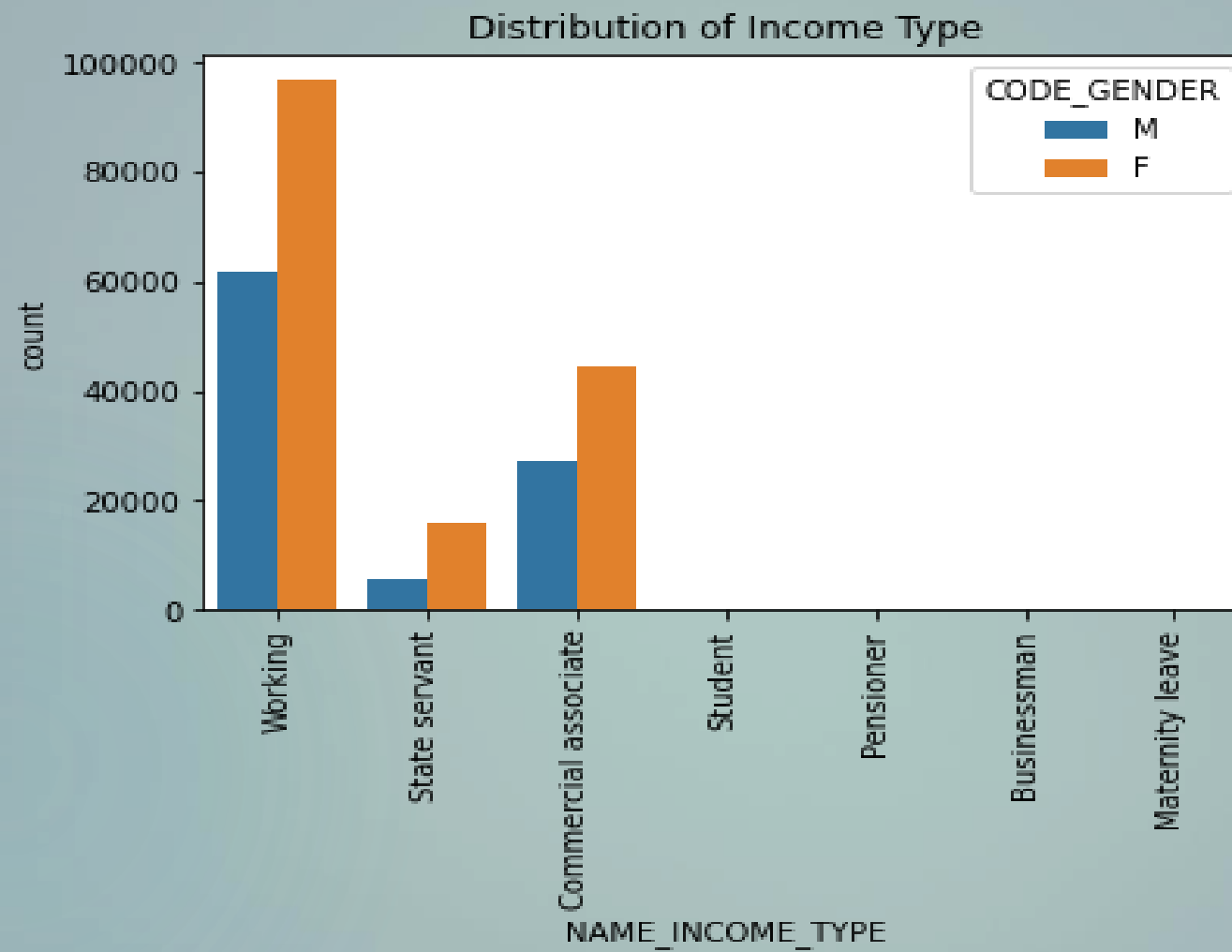
Conclusion: DEF_30_CNT_SOCIAL_CIRCLE and DEF_60_CNT_SOCIAL_CIRCLE are highly corelated.
OBS_30_CNT_SOCIAL_CIRCLE and OBS_60_CNT_SOCIAL_CIRCLE are identical columns.

DISTRIBUTION OF NAME INCOME TYPE AND INCOME RANGE WITH RESPECT TO CODE GENDER

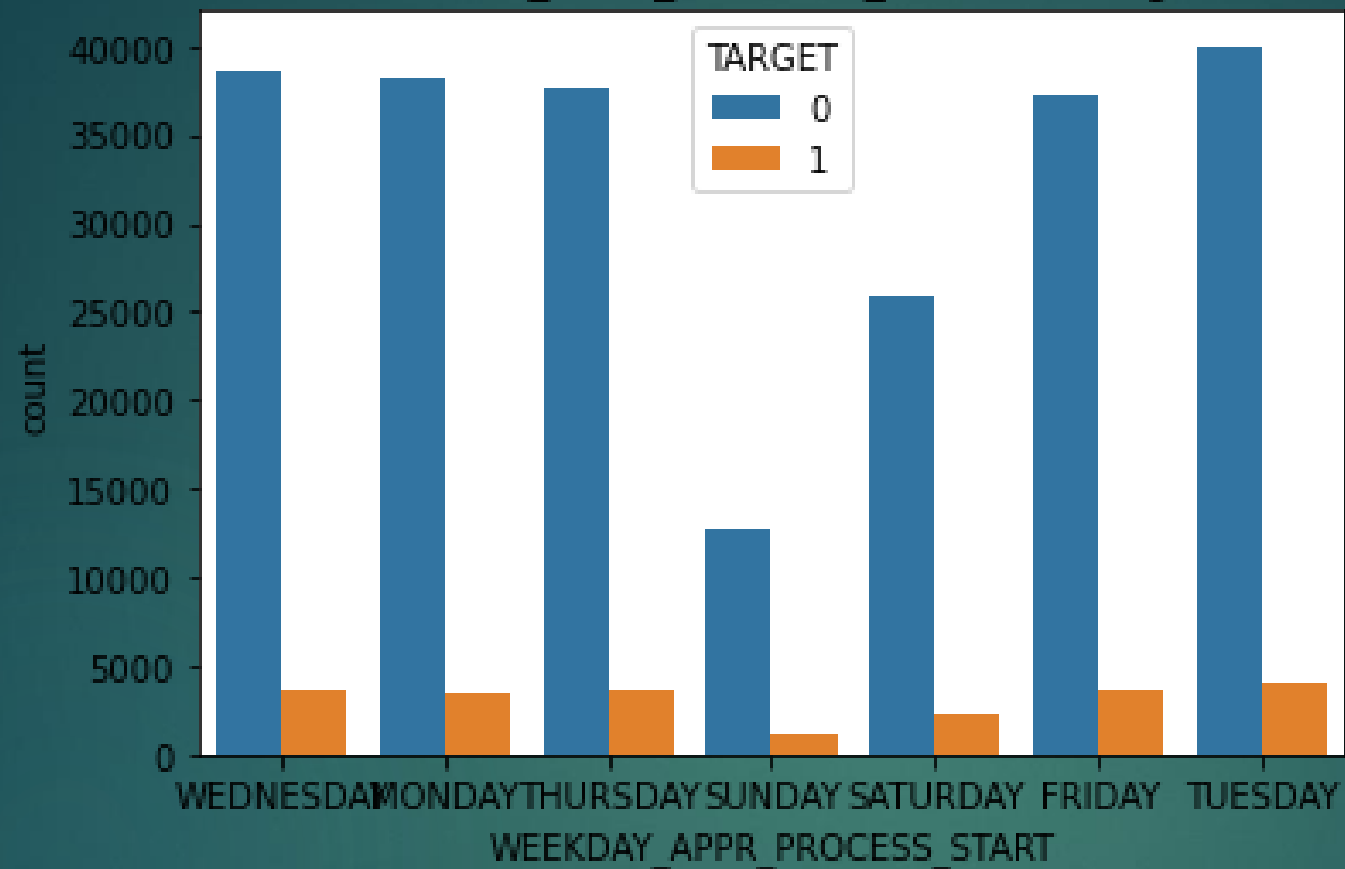


Distribution of Income Type





WEEKDAY_APPR_PROCESS_START vs Target

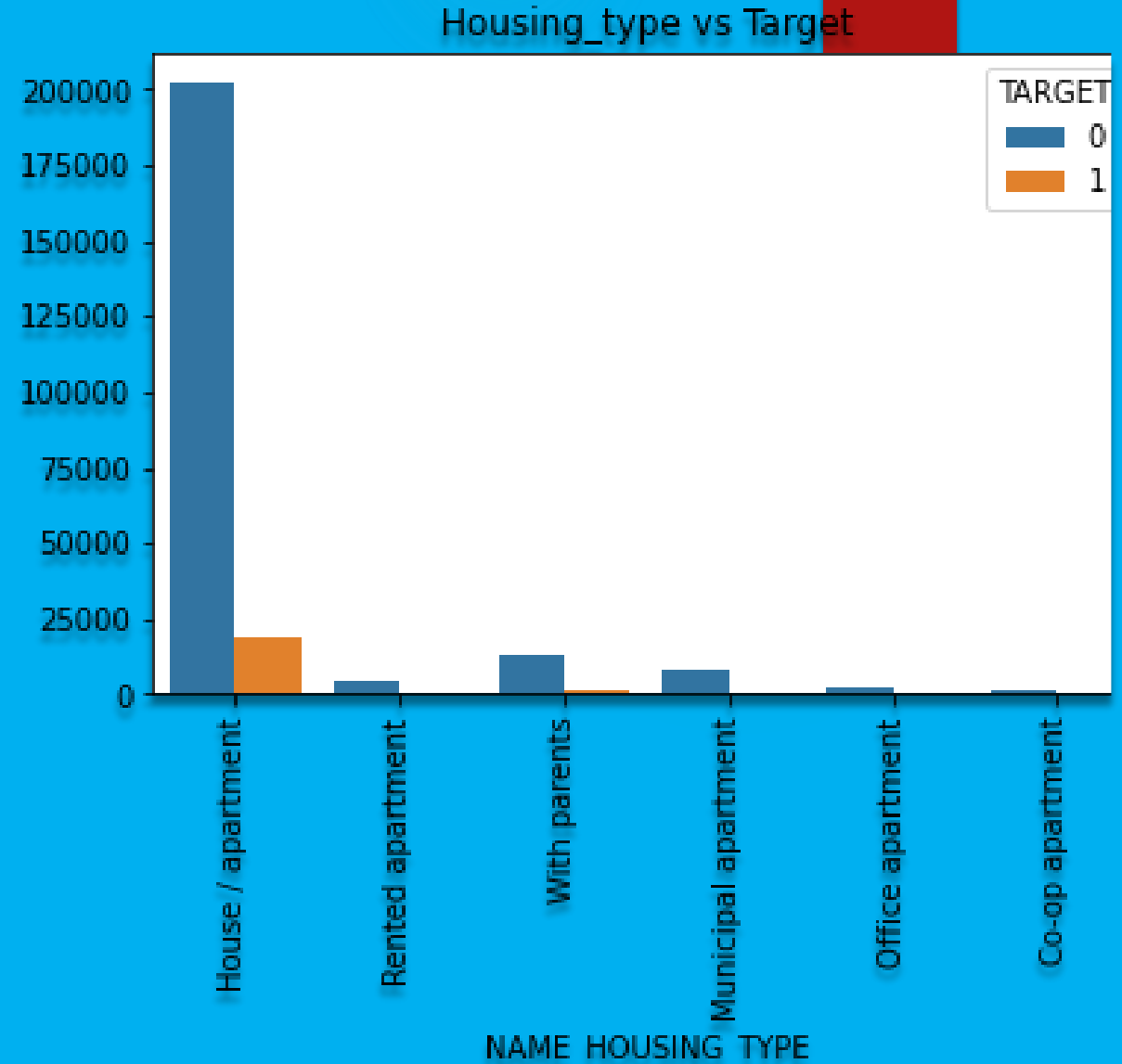


CATAGORICAL ANALYSIS ON TARGET



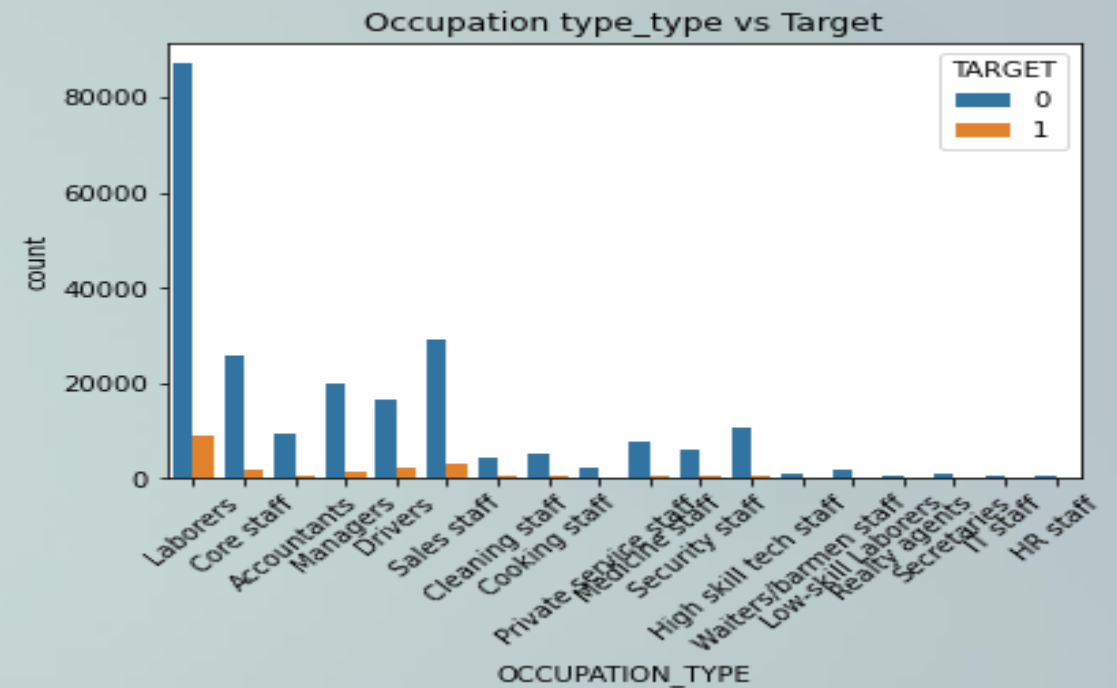
GRAPH OF HOUSING_TYPE VS TARGET(REPAYER AND DEFAULTER)

CONCLUSION : Most of the person taking loan are living in House/Apartment and majority person living in house/apartment payment on time there are few in percentage people payment with difficulties. Person living in Co-op Apartment taking less amount of loan we can they avoid taking loans



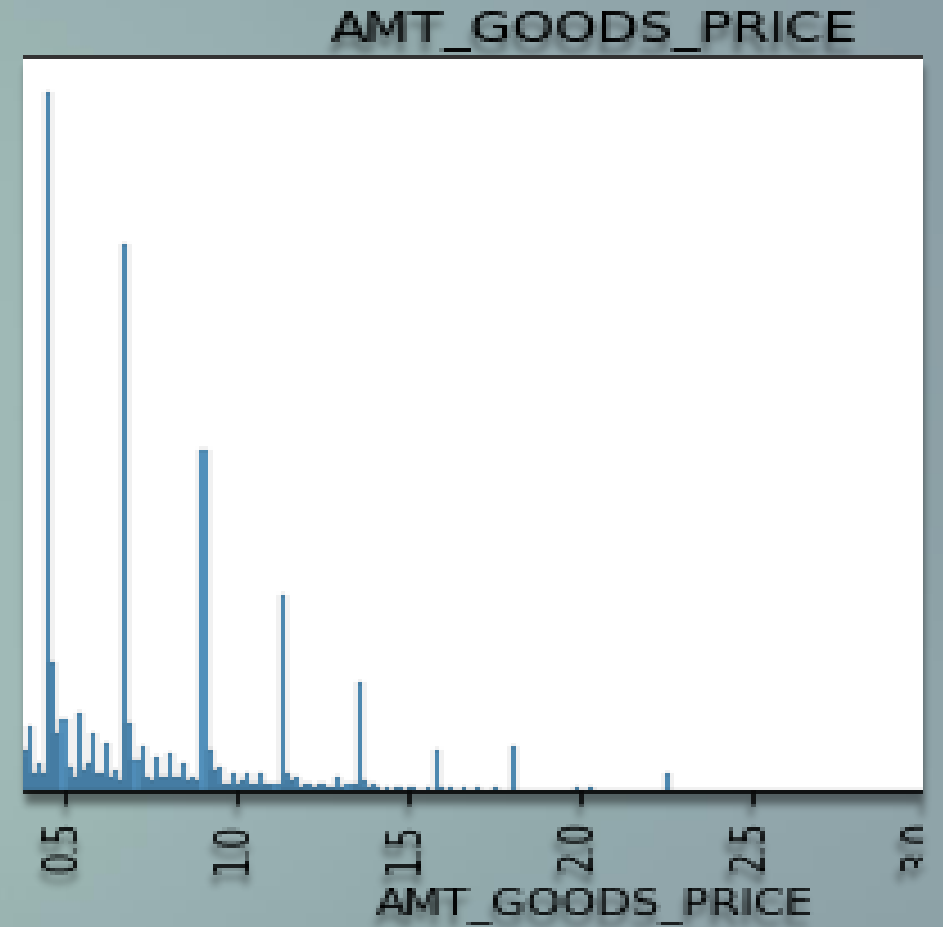
GRAPH OF OCCUPATION TYPE VS TARGET

OBSERVATIONS: 1. maximum number of loan is taken by people who are from laborers category and maximum defaulter tag is also owned by laborers class. 2. by seeing above graph we can conclude Accountants are very less defaulters. 3. Core staff, Managers, Drivers, Laborers are safer to give loan because there is least amount of risk on loan.

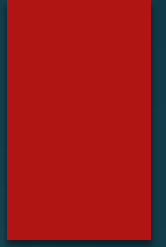


LOANS WERE GIVEN ON THE GOODS PRICES

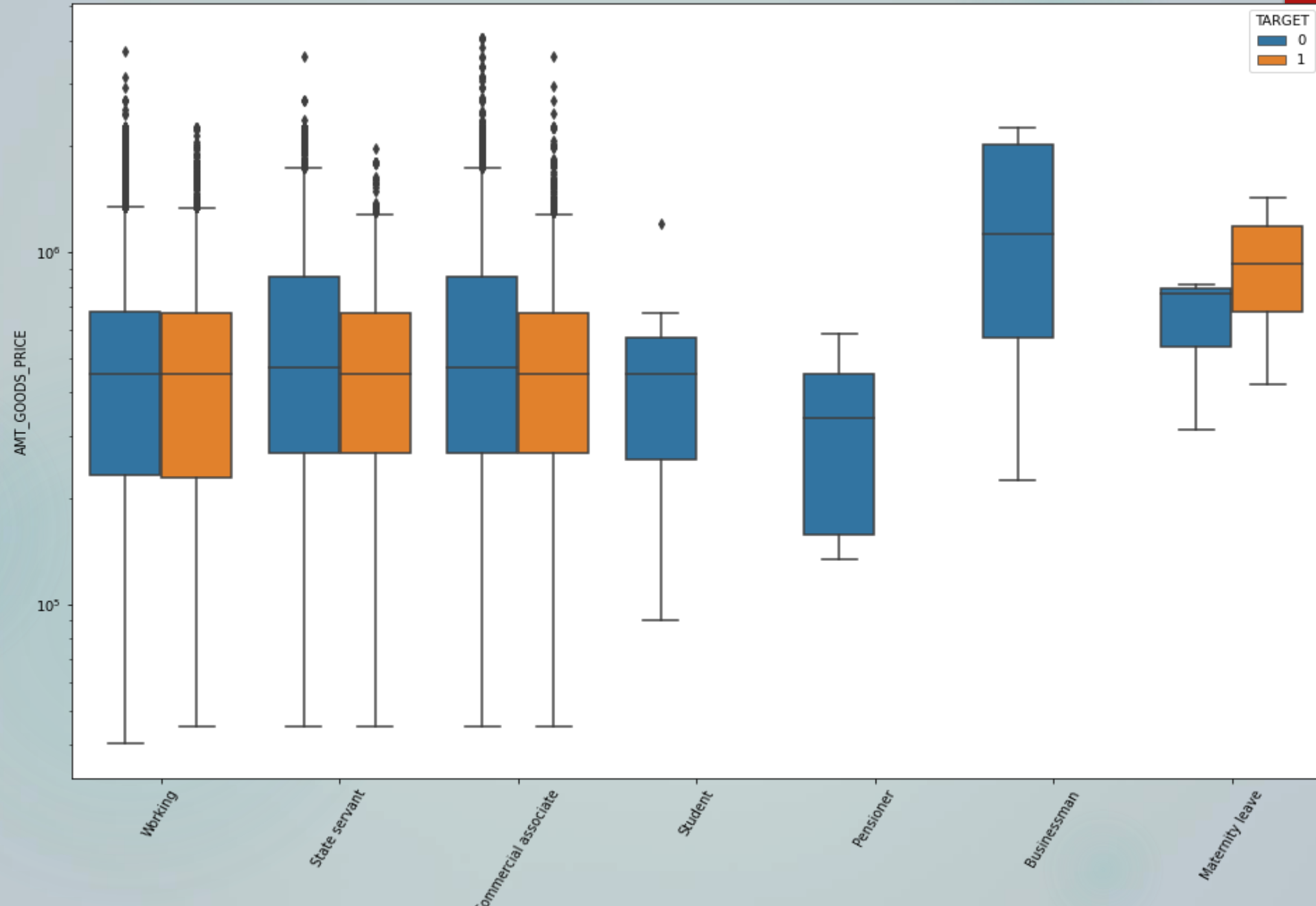
OBSERVATIONS : Maximum no of loans were give
on the goods prices which belonging in the
range of 0.5 million to 1 million




BIVARIATE ANALYSIS ON CURRENT APPLICATION

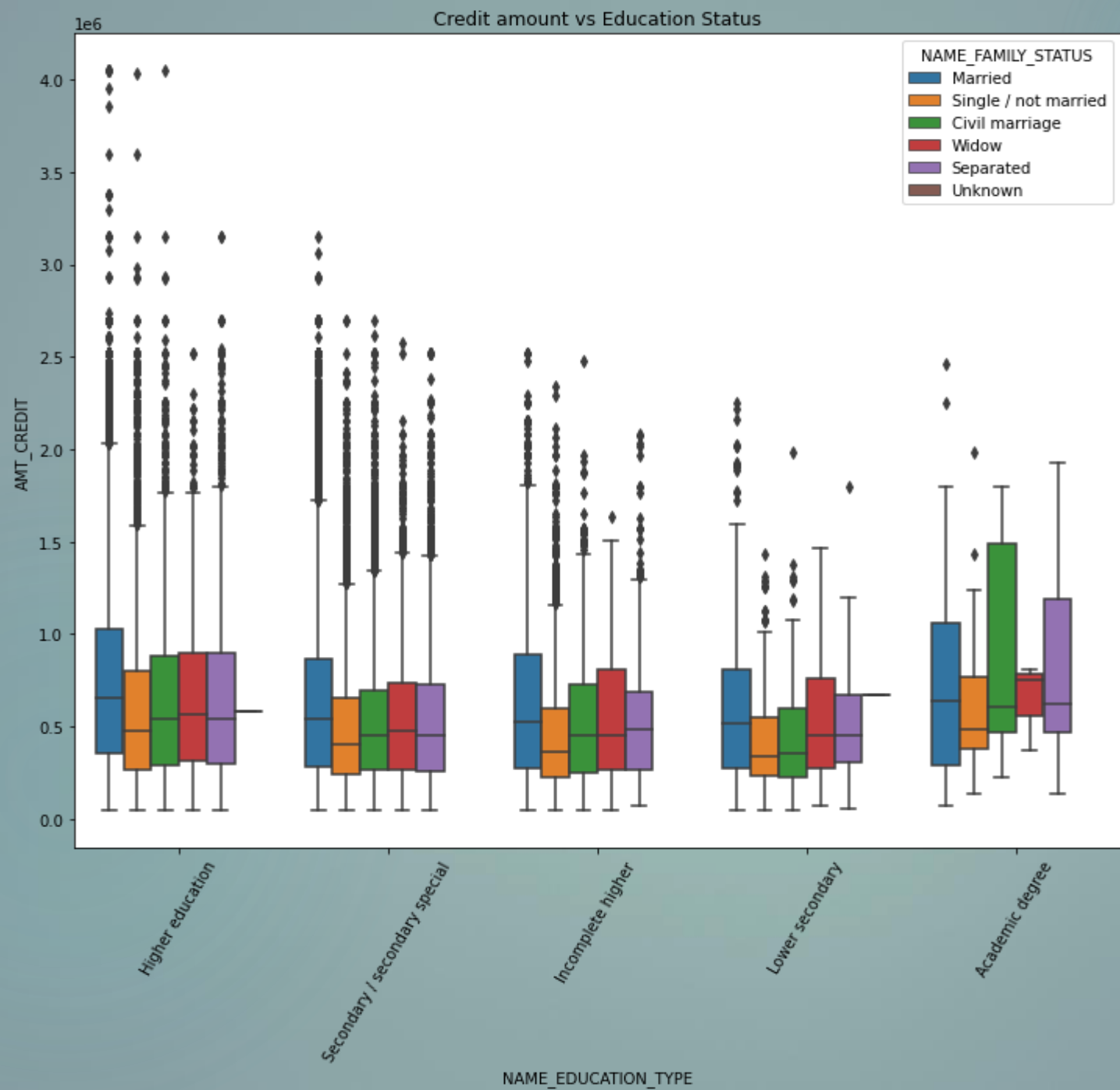


Income type vs good price





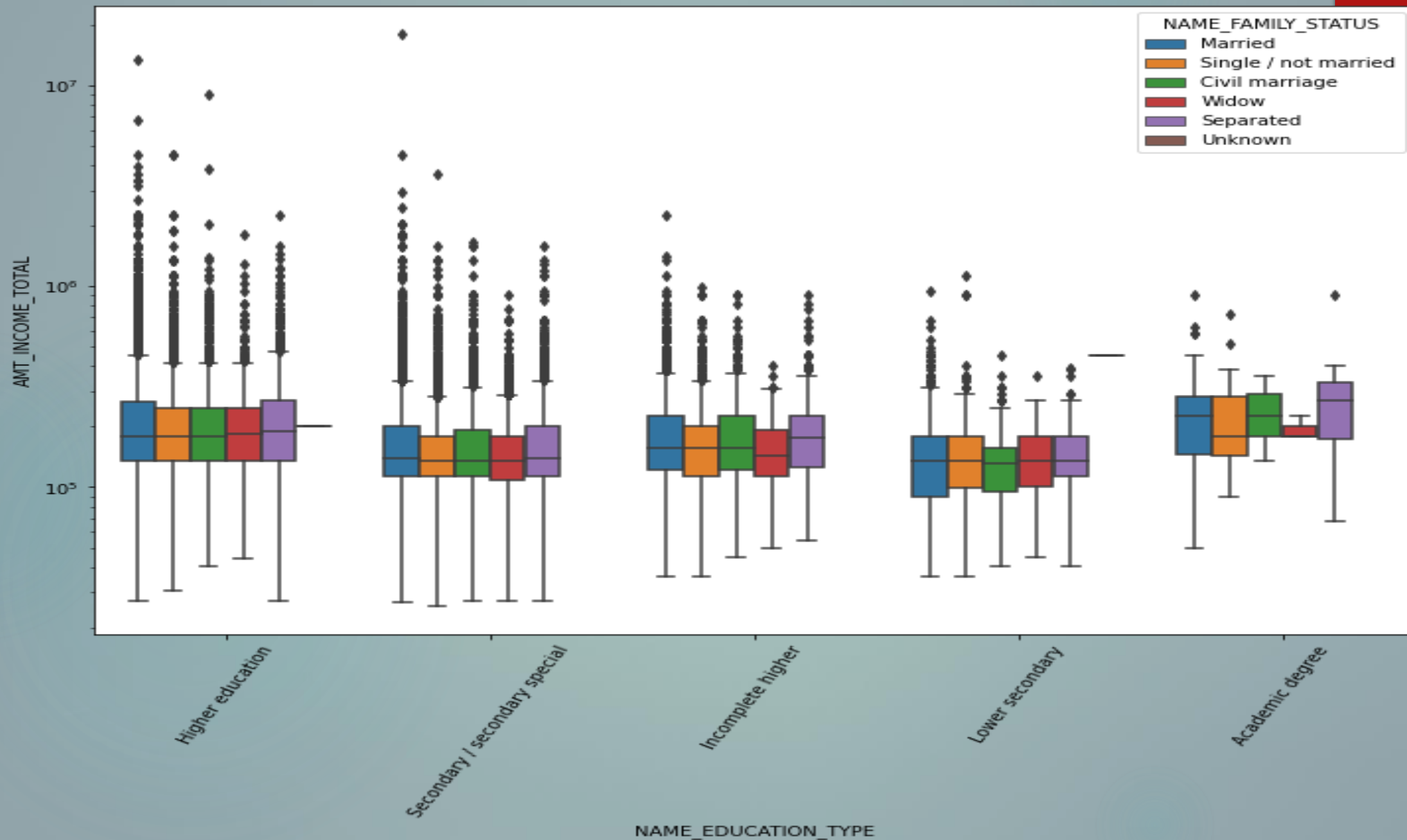
**CONCLUSION: Clients who are
Businessman , Student, and
Pensioner do their payment on
time**



CREDIT AMOUNT VS EDUCATION STATUS

OBSERVATIONS: The two variables for Target0 - non defaulters clients executed. The box plot shows plot the graph between education vs credit amount with hue reference of family status. It shows high credit amount and lower risk for academic degree client with civilian marital status. It will reduce the credit risk. The academic degree separated clients are having upperwhisker

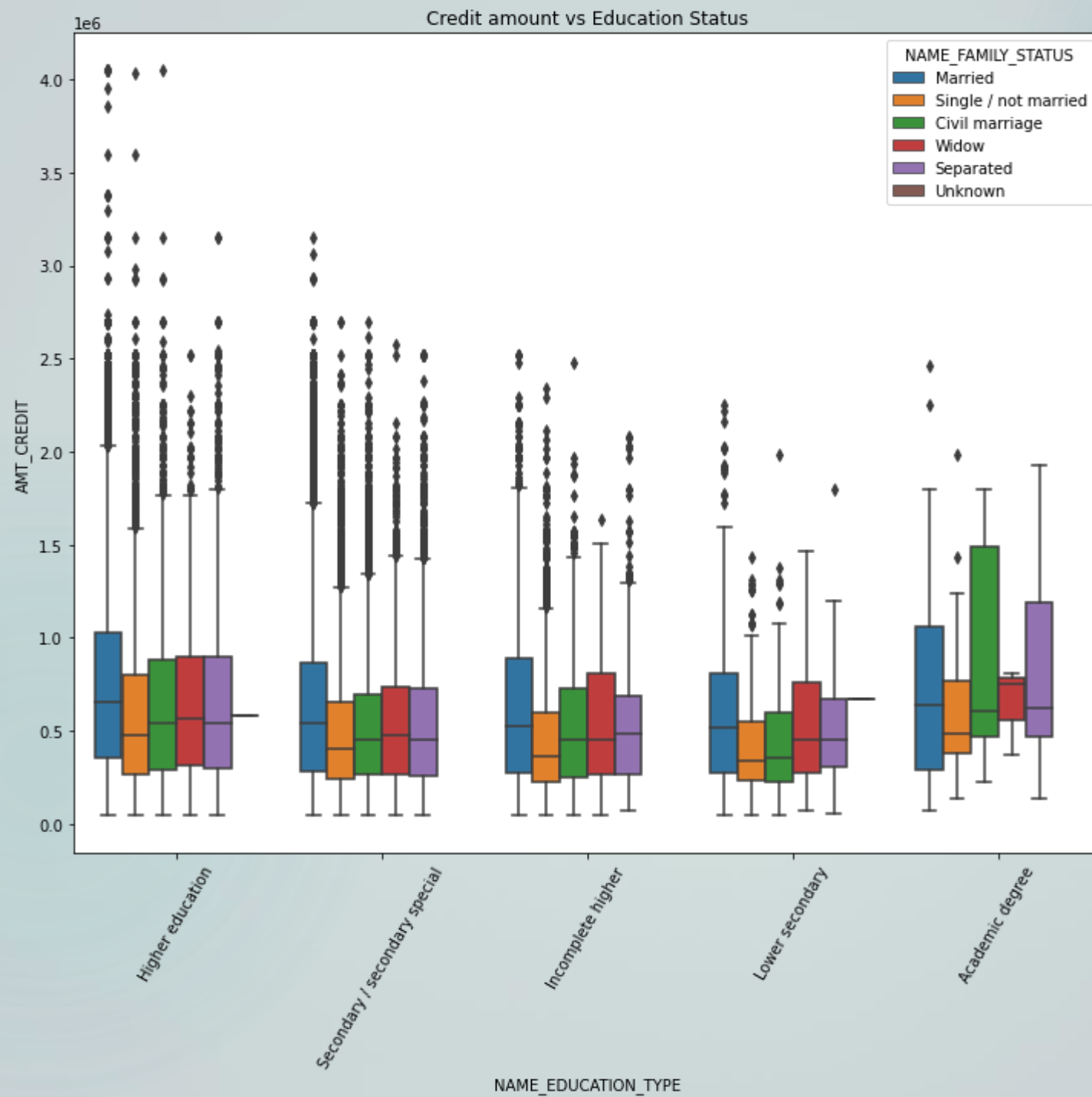
Income vs Education



BIVARIATE ANALYSIS ONNAME EDUCATION TYPE VS TOTAL INCOME FOR NON-DEFAULTER

OBSERVATION: THE EDUCATION VS INCOME BIVARIATE ANALYSIS SHOWS THAT THE ACADEMIC DEGREE MARRIED AND CIVIL MARRIED CLIENTS ARE HAVING HIGHER INCOME STATURE WITH LOWER RISK

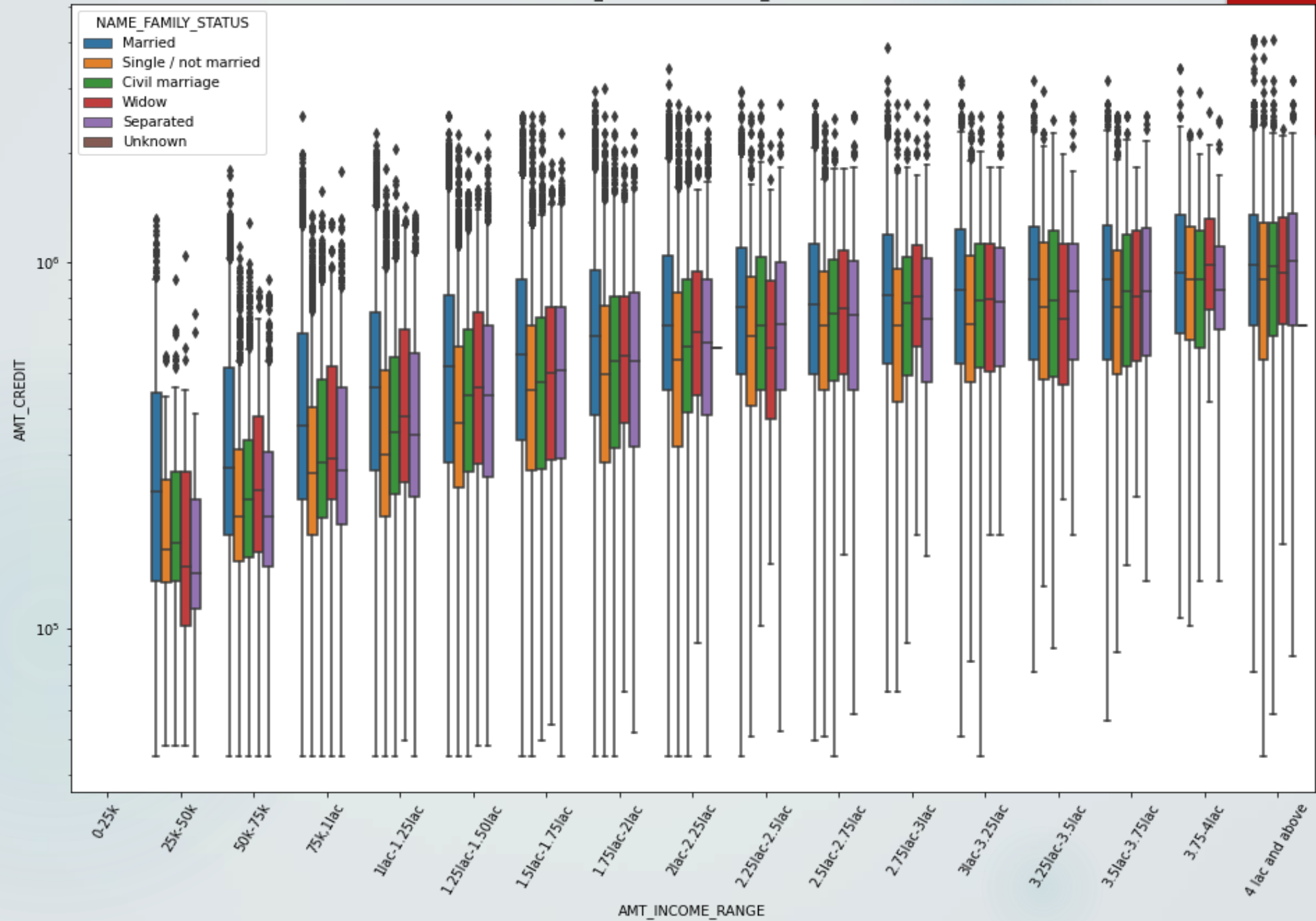
Credit amount vs Education Status



BIVARIATE ANALYSIS OF EDUCATION TYPE VS CREDIT AMOUNT FOR NON DEFAULTER

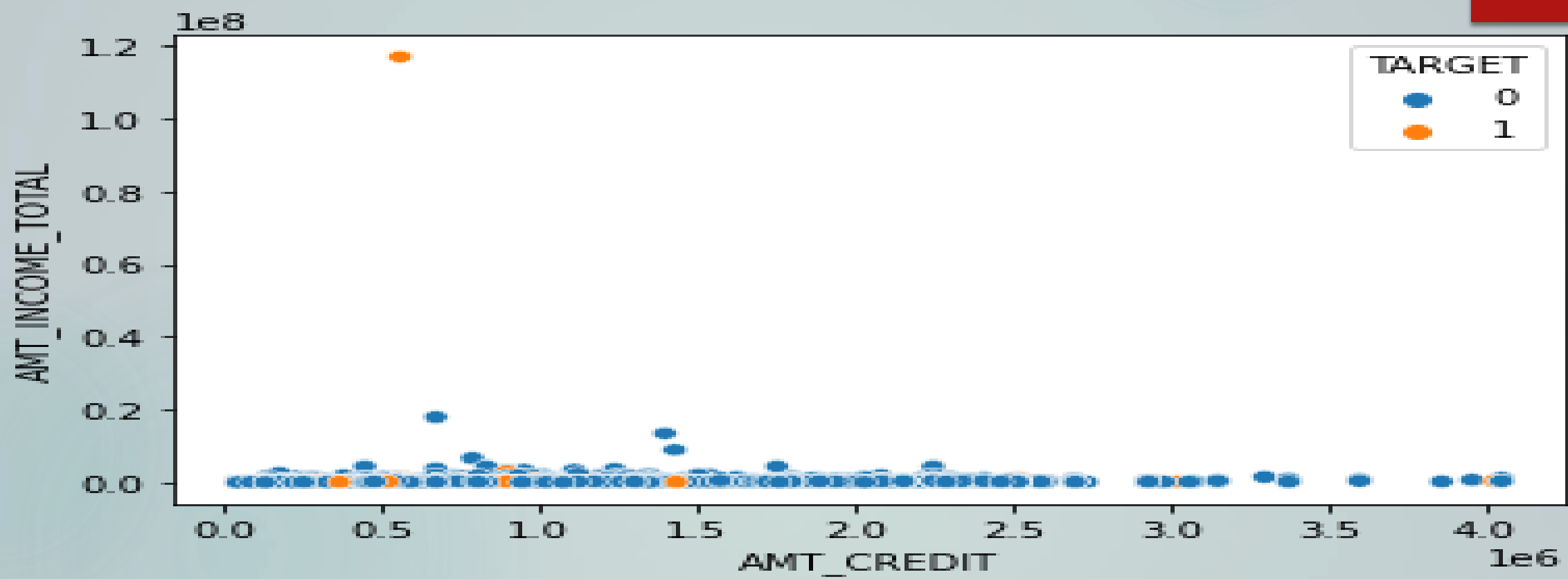
OBSERVATIONS: The box plot shows plot the graph between education vs credit amount with hue reference of family status. It shows high credit amount and lower risk for academic degree client with civilian marital status. It will reduce the credit risk. The academic degree separated clients are having upperwhisker.

AMT_CREDIT vs INCOME_RANGE

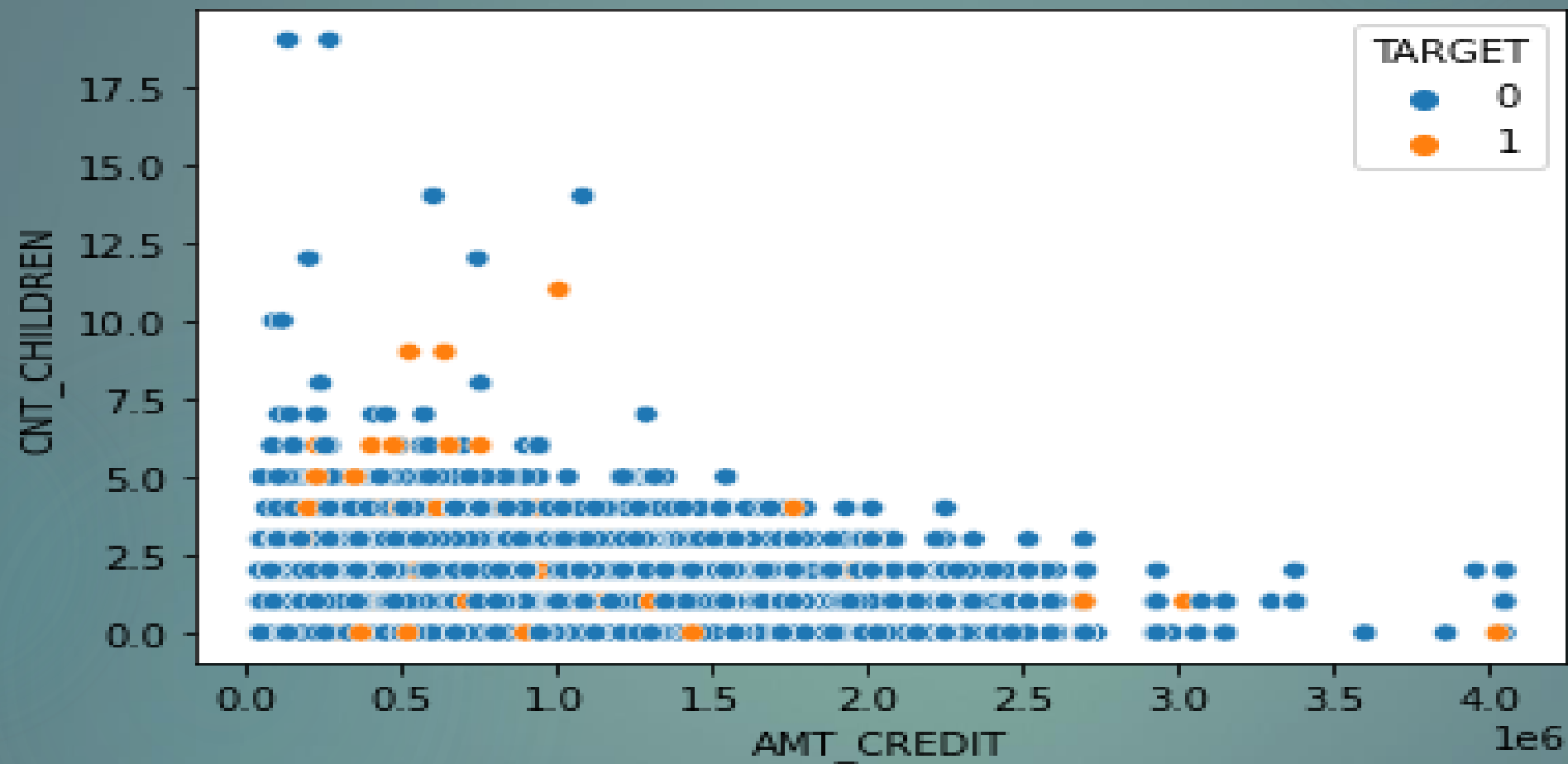



BIVARIATE ANALYSIS ON INCOME_CREDIT VS INCOME_RANGE FOR NON- DEFAULTER

CONCLUSION : The Target0 non defaulters whose income within the range of 4.5 lac - 4.75 lac civil marriage clients used to get more credit amount. Hence, its essential to check the risk factors associated with it. Further loan credit may make them defaulters.

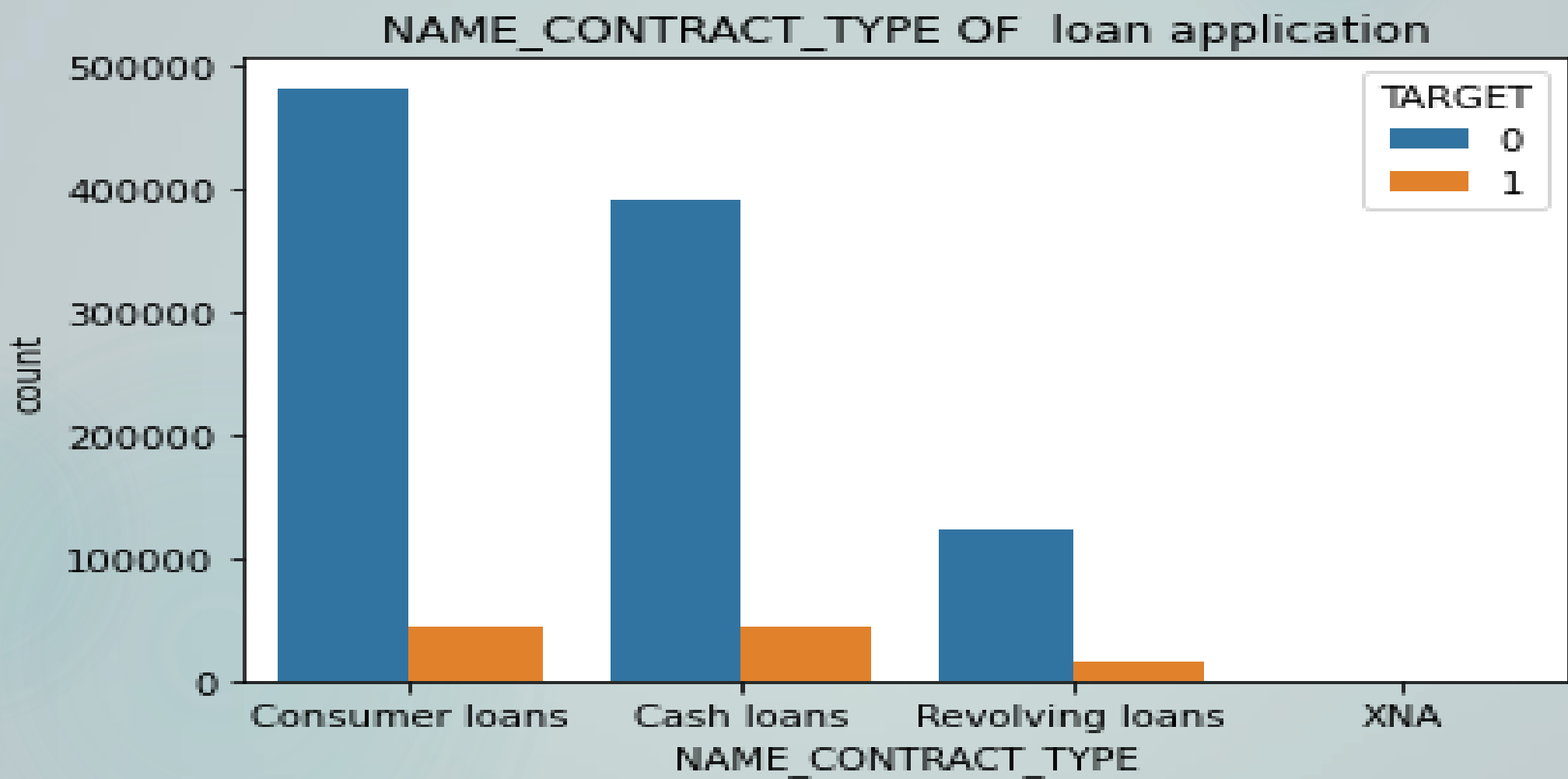



CONCLUSION: 1. people who are earning less than a million are most likely to take the loan 2. people who are taking less than 1.5 credit loan there is a chances of defaulter but after credit 1.5 no one is in defaulter catagory 3. we can target income below 1 million and credit loan greater than 1.5 million



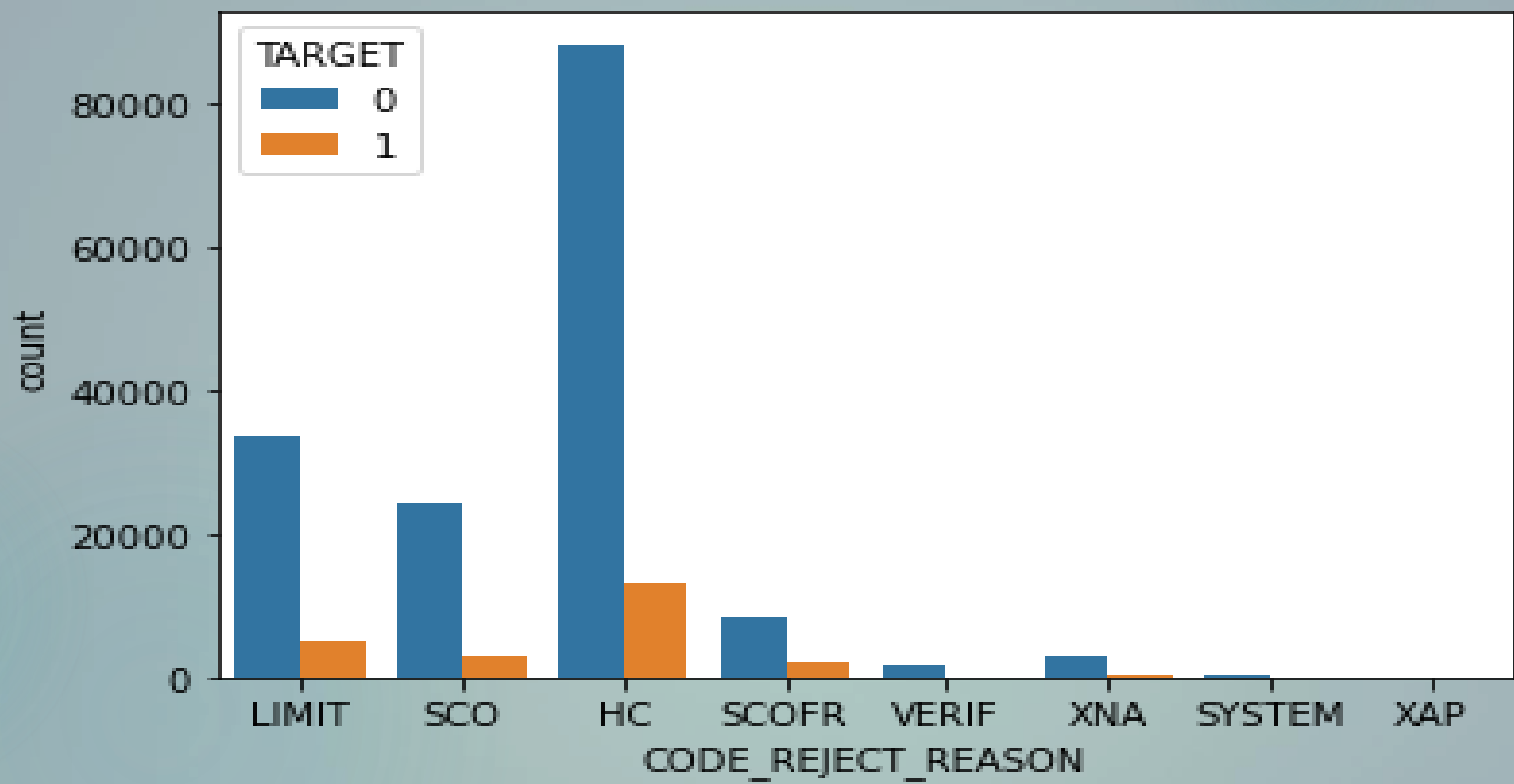


CONCLUSION: 1. People having zero children and amount credit less than 1.5 million they turned out to be in defaulter and after credit amount greater than 1.5 million the chances of non-defaulter increases 2. people having children less than 5 are safer to give loans



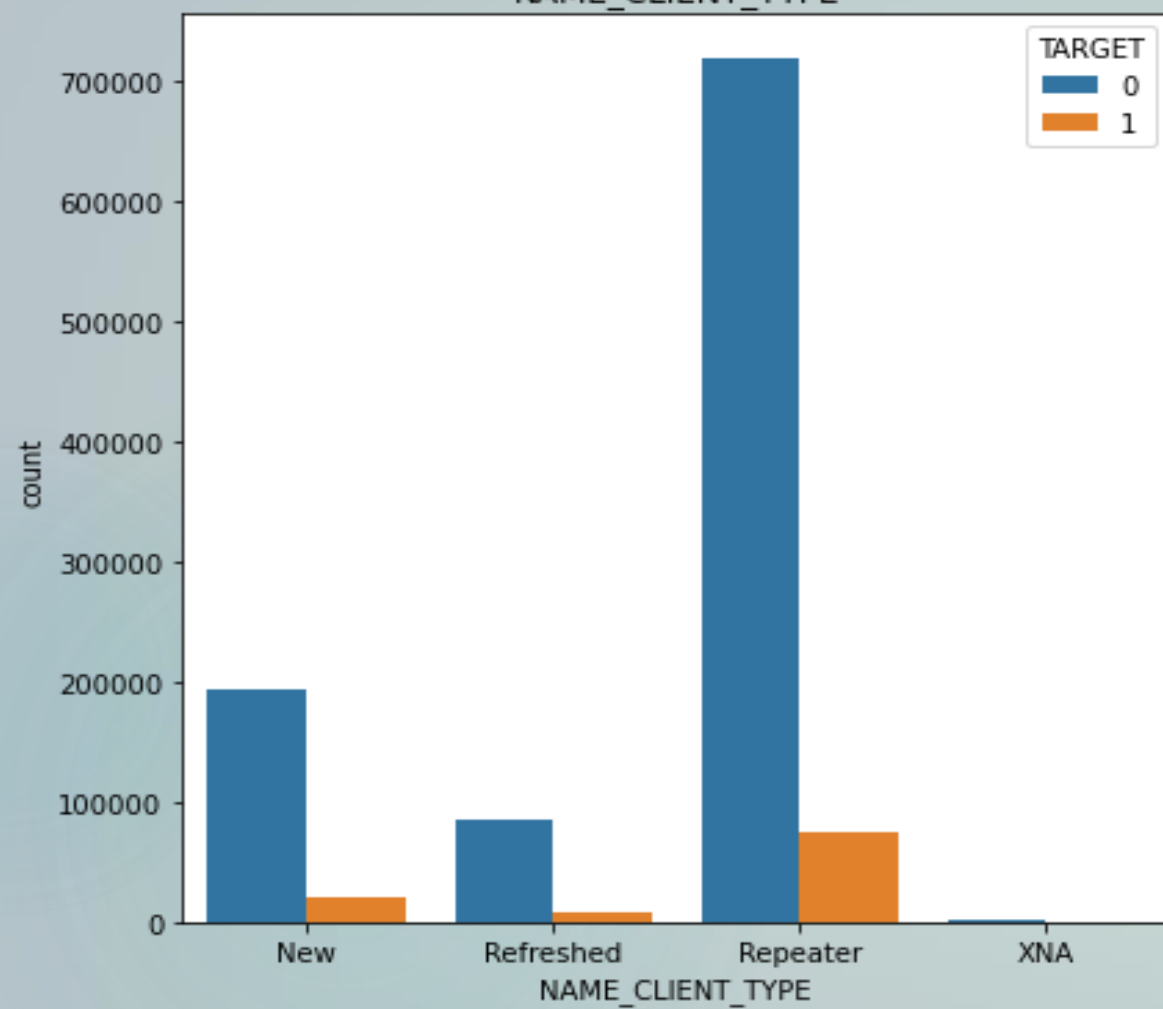


OBSERVATIONS: Highest number of loans were applied for Consumer loans And cash loans are also applied in huge number followed by consumer loan

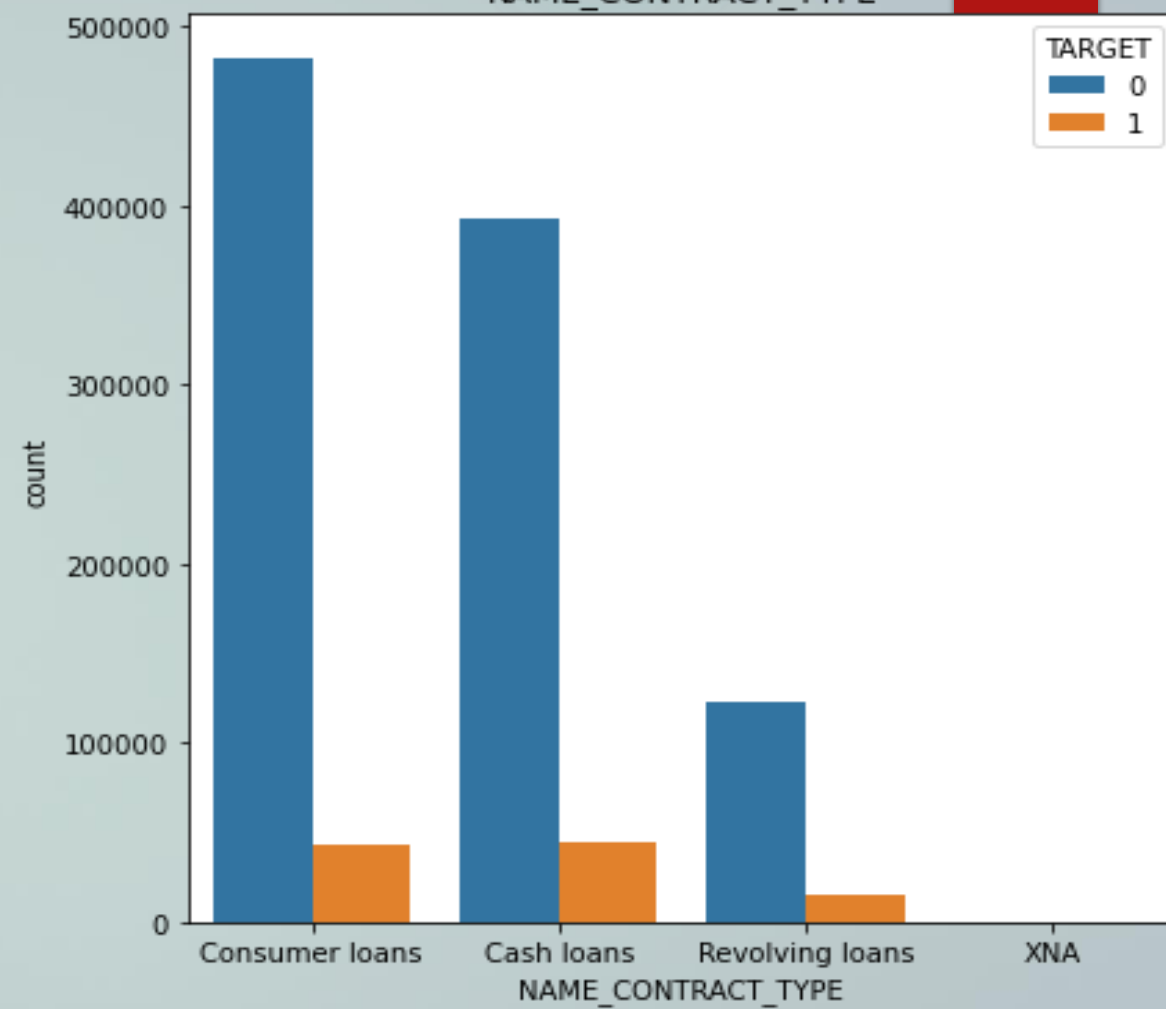


CONCLUSION: The most common reason for loan rejection are 'HC','LIMIT','SCO','SCOFR'

NAME_CLIENT_TYPE



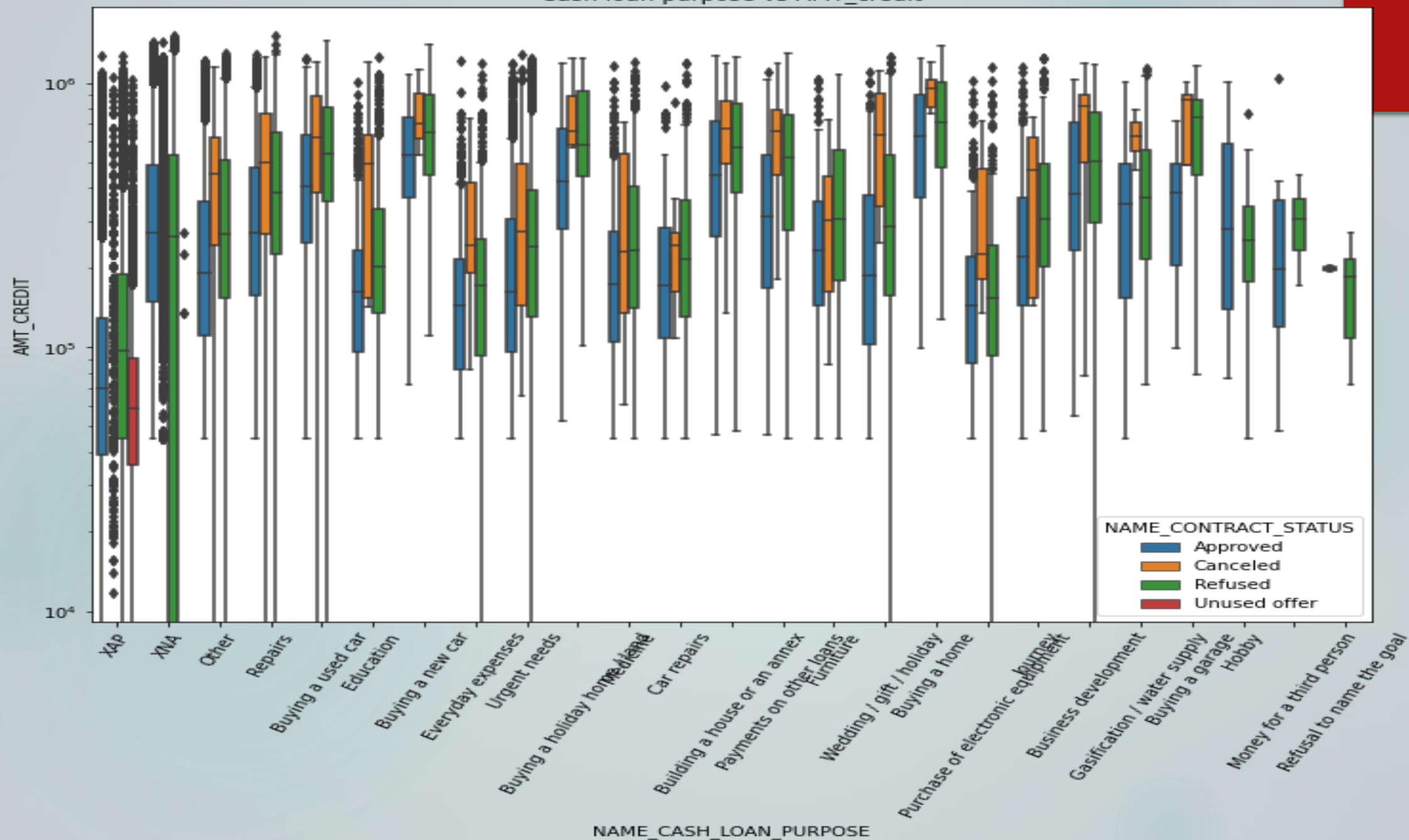
NAME_CONTRACT_TYPE



CONCLUSION:

1. Most of the applicants who are applying for loans are repeaters
2. Highest number of loans were applied for Consumer loans And cash loans are also applied in huge number followed by consumer loan

Cash loan purpose vs AMT_credit



CONCLUSIONS:

1. Loan purpose has high number of unknown values i.e (XAP,XNA)
2. Loan taken for for the purpose of repair looks to have highest default rate
3. Huge number of application have been rejected by bank which are applied for repair and others we can conclude from this repair considered as high risk factor.

THANK YOU