

# CREDIT EDA ASSIGNMENT -SOWMYA KOTHARI

APPLICANT DATA ANALYSIS FOR LOANS

- TO UNDERSTAND THE DRIVING FACTORS/VARIABLES THAT LEAD TO LOAN DEFAULTERS



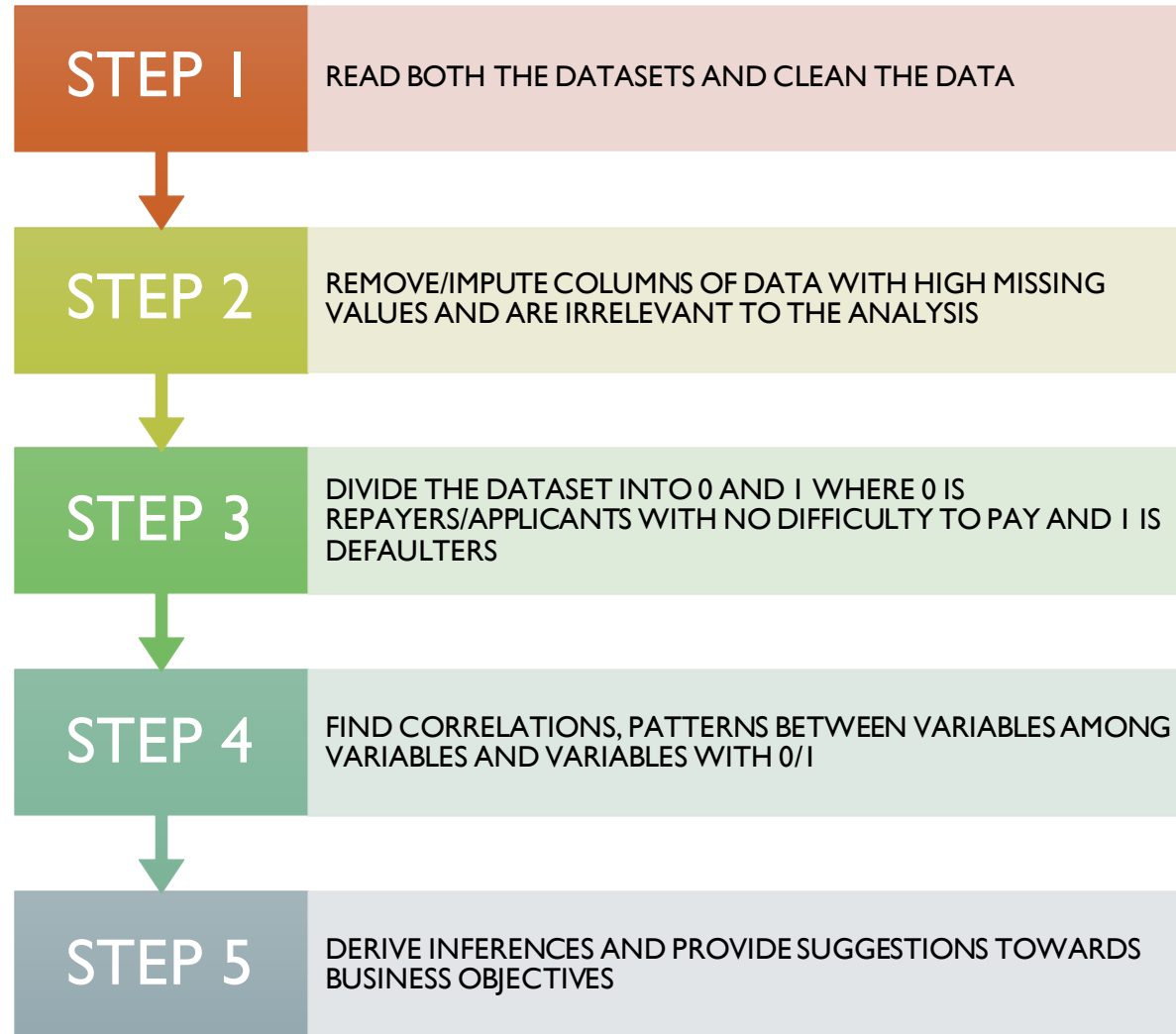
- THREE MAIN BUSINESS OBJECTIVES:

1. TO DENY LOAN TO PEOPLE WHO CANNOT REPAY

2. TO REDUCE THE AMOUNT OF LOAN TO AN EXTENT WHERE A PERSON IS CAPABLE TO REPAY

3. LEND AT HIGHER RATES TO AVOID DEFAULT NATURE APPLICAT TO APPLY

PROBLEM STATEMENT  
AND  
BUSINESS OBJECTIVES

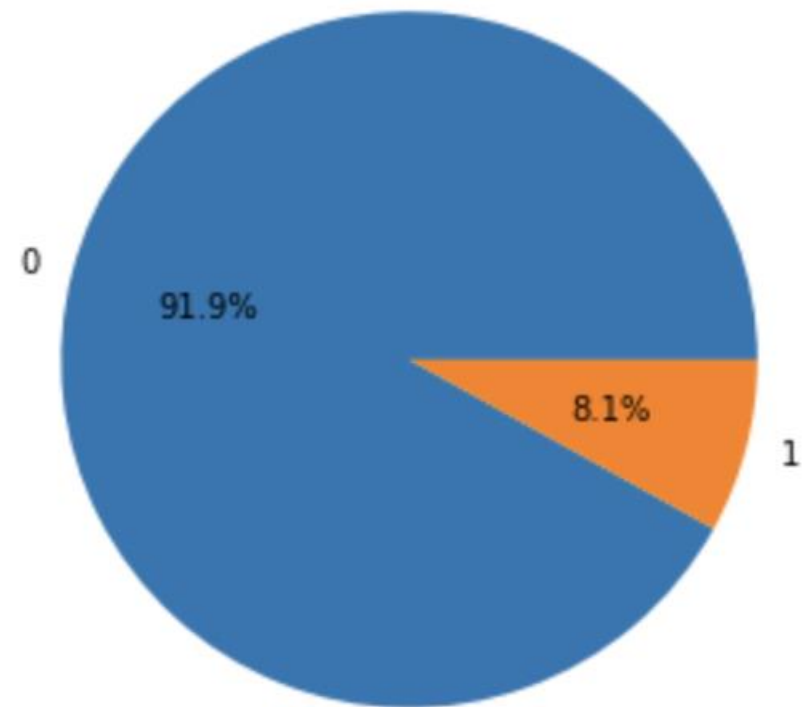


## APPROACH

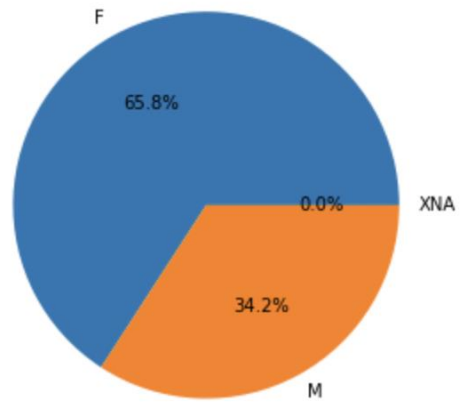
## DISTRIBUTION OF APPLICANTS

- 91.9% OF OUR APPLICANTS ARE REPAYERS
- 8.1% ARE DEFAULTERS

Distribution of applicants

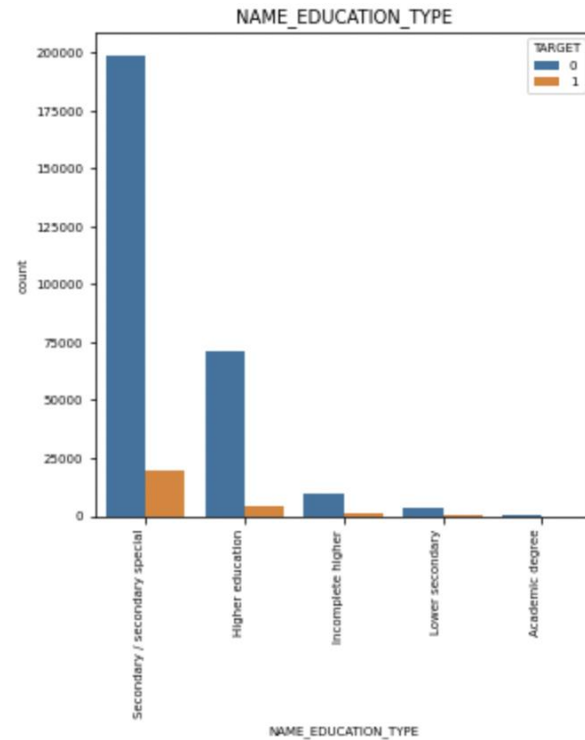


Distribution of gender



## GENDER DISTRIBUTION OF APPLICANTS

>2/3rd OF OUR APPLICANTS ARE  
FEMALES



## LEVEL OF EDUCATION OF OUR DEFAULTERS

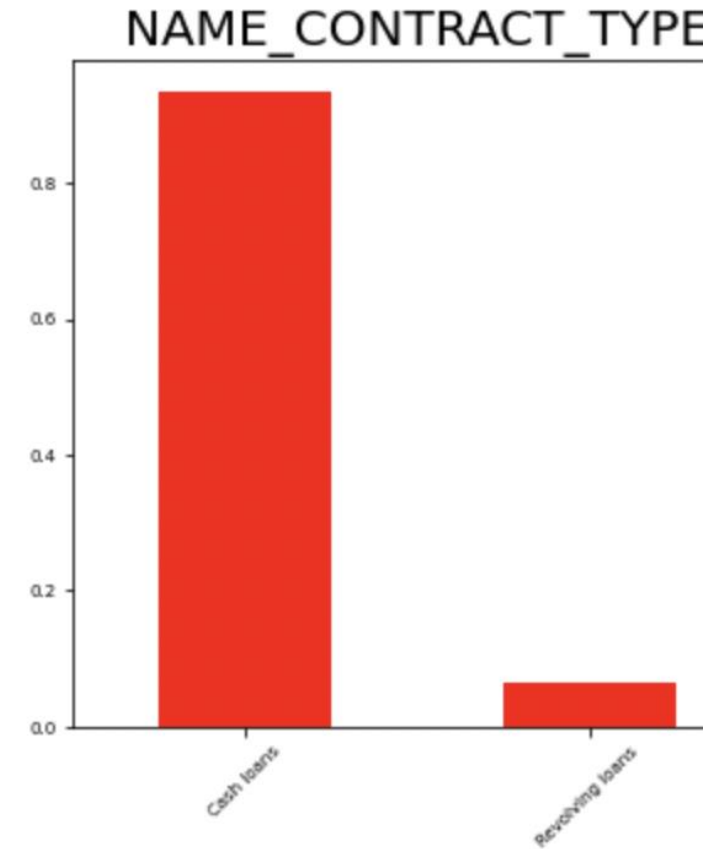
MOST OF OUR APPLICANTS HAVE A  
SECONDARY EDUCATION LEVEL AND  
THEN HIGHER EDUCATION

MOST OF THE APPLICANTS THAT TEND  
TO HAVE DIFFICULTY PAYING THE  
LOAN BACK ARE THE PEOPLE WITH  
SECONDARY EDUCATION

## WHAT ARE THE LOAN TYPE DEFAULTERS HOLD

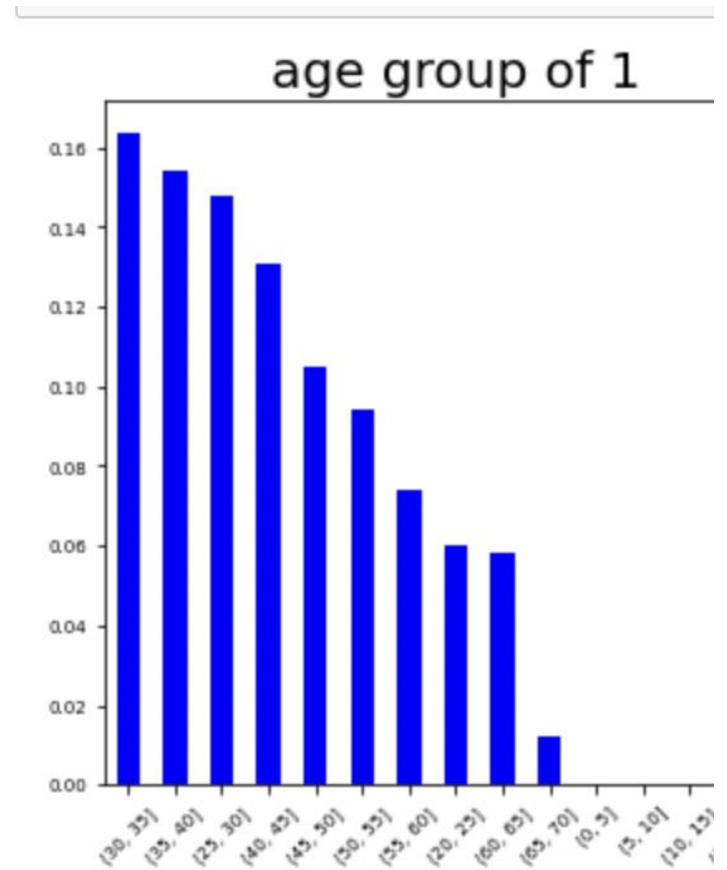
ALMOST >85% OF OUR APPLICANTS  
WHO HAVE DIFFICULTIES TO PAY  
HOLD CASH LOANS

SO THE BANK COULD BENEFIT IF THEY  
REDUCE THE AMOUNT OF CASH  
LOANS THEY GIVE



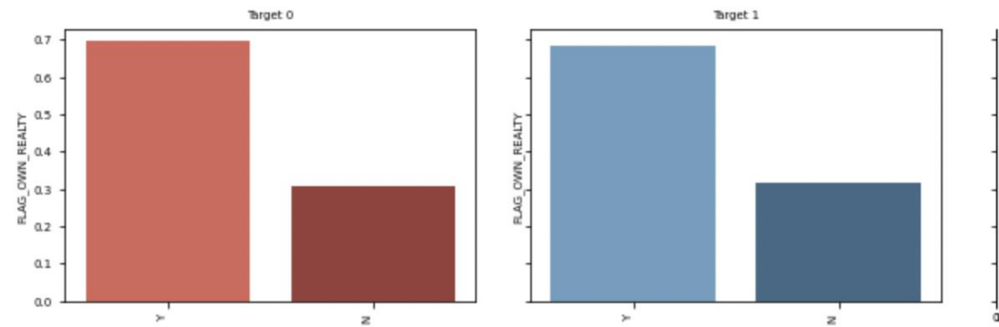
## AGE GROUP OF DEFAULTERS

MOST IF THE APPLICANTS THAT  
DEFAULT ON THE LAONS THAT THEY  
TAKE ARE IN THE AGE GROUPS OF 30-  
45





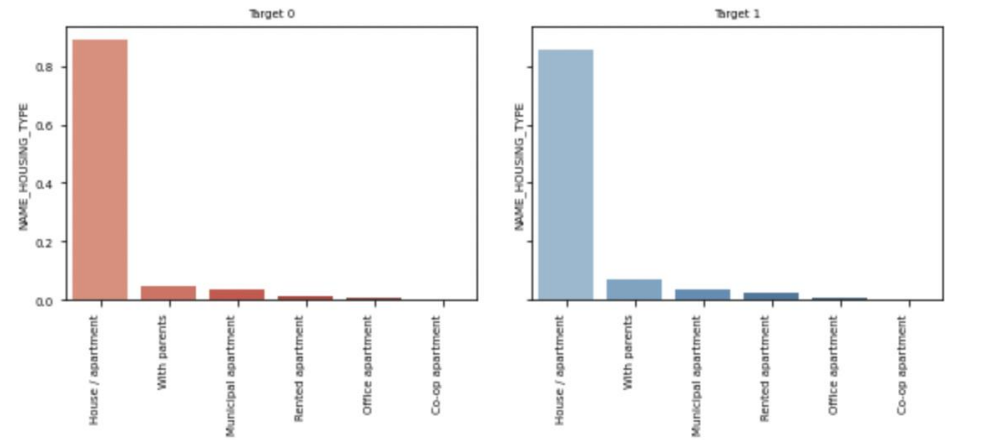
Graph for : FLAG\_OWN\_REALTY



## OWNERS OF HOUSING

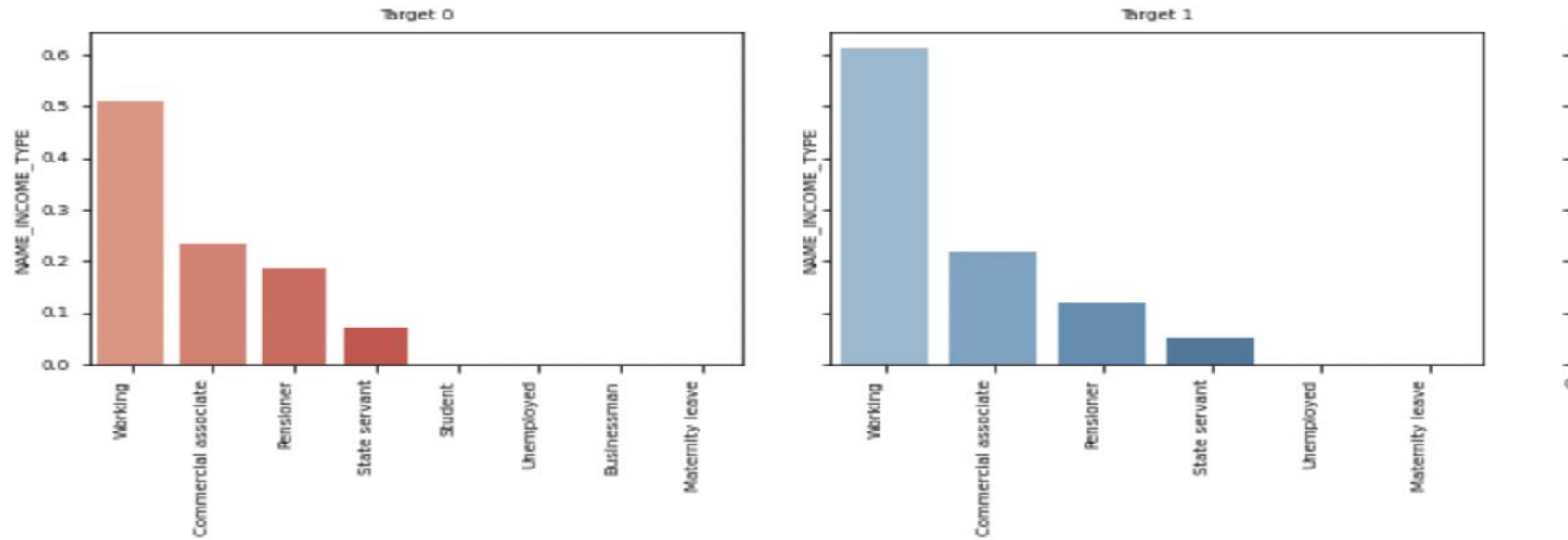
MOST OF THE DEFAULTERS OWN A FLAT/HOUSE

Graph for : NAME\_HOUSING\_TYPE



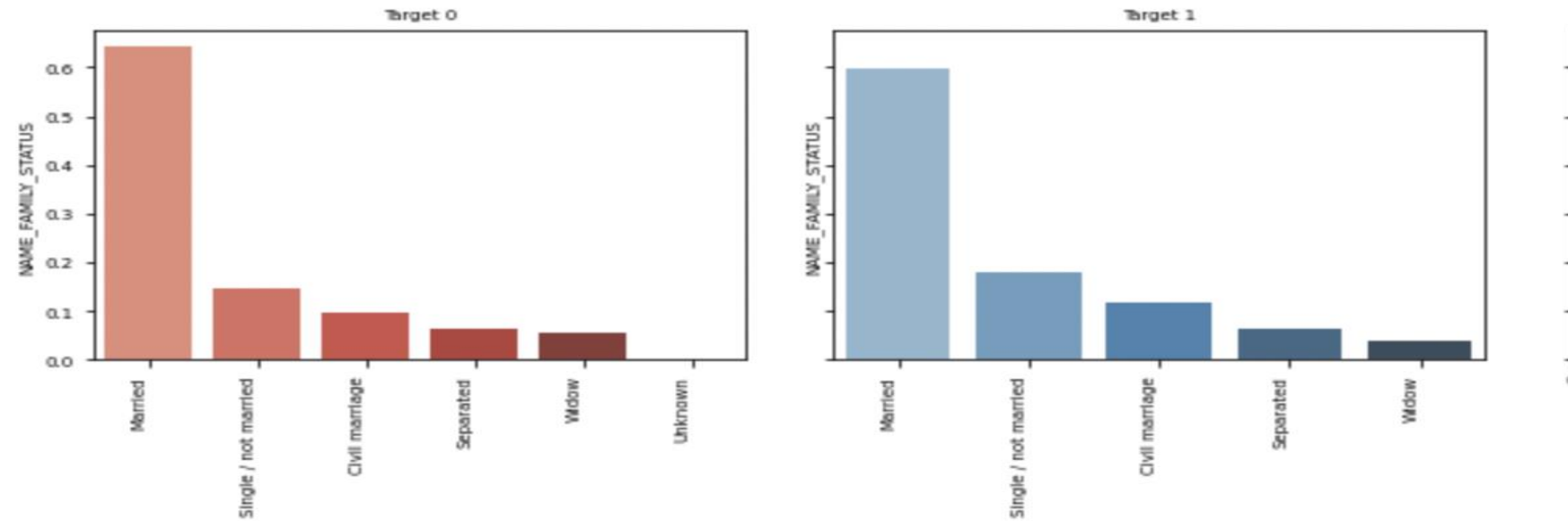
TYPE OF HOUSING OWNED:  
MOST DEFAULTERS OWN A HOUSE/APARTMENT

Graph for : NAME\_INCOME\_TYPE



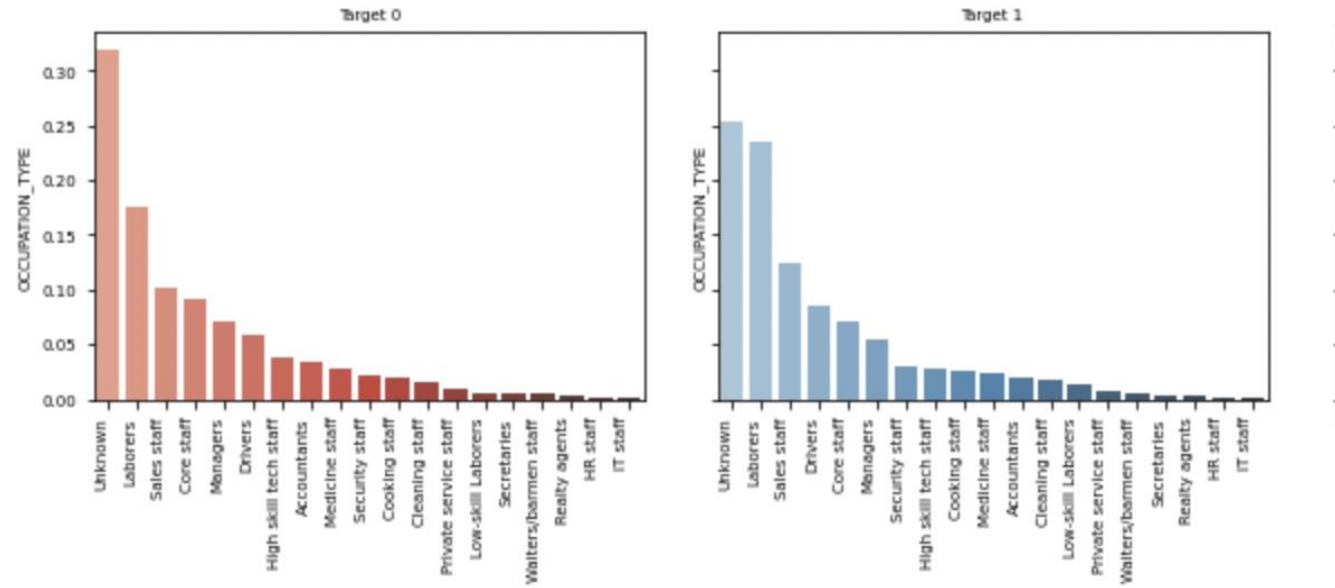
MOST OF THE DEFAULTERS ARE WORKING  
CURRENTLY AND MAY GET A REGULAR  
INCOME

Graph for : NAME\_FAMILY\_STATUS

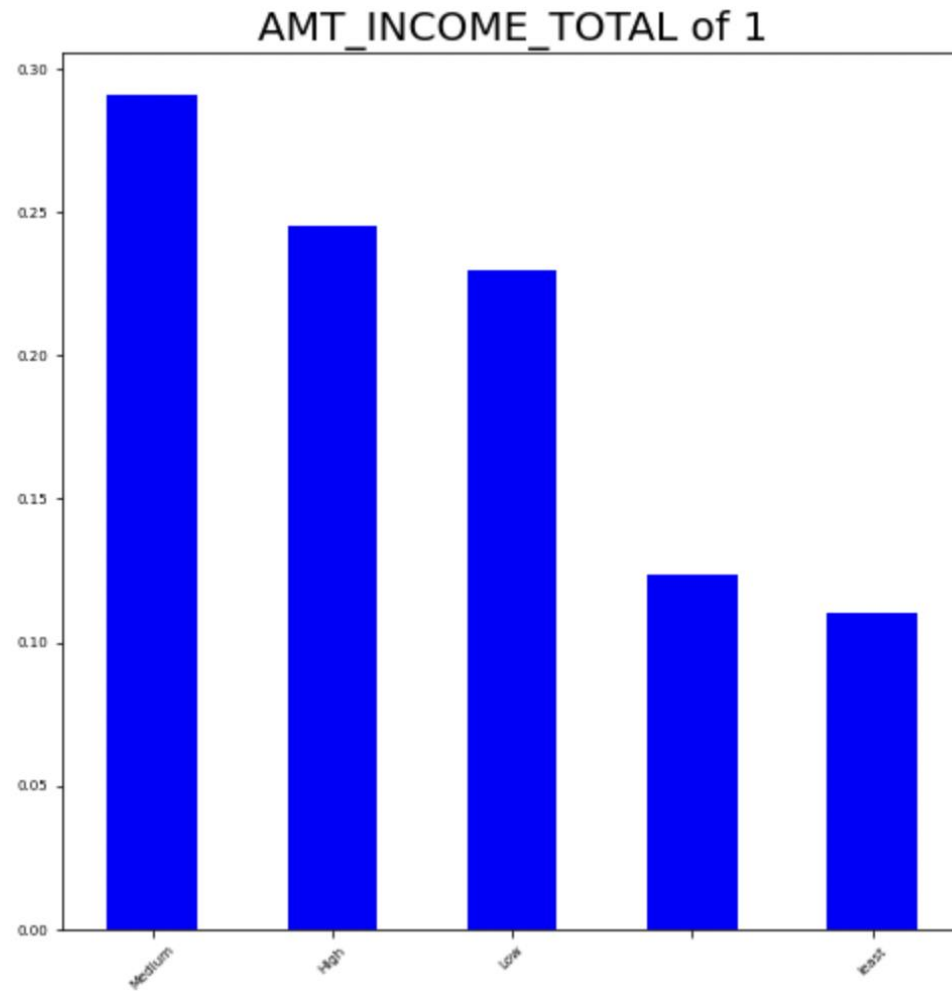


MORE THAN 50% OF THE DEFAULTERS  
ARE MARRIED

Graph for : OCCUPATION\_TYPE

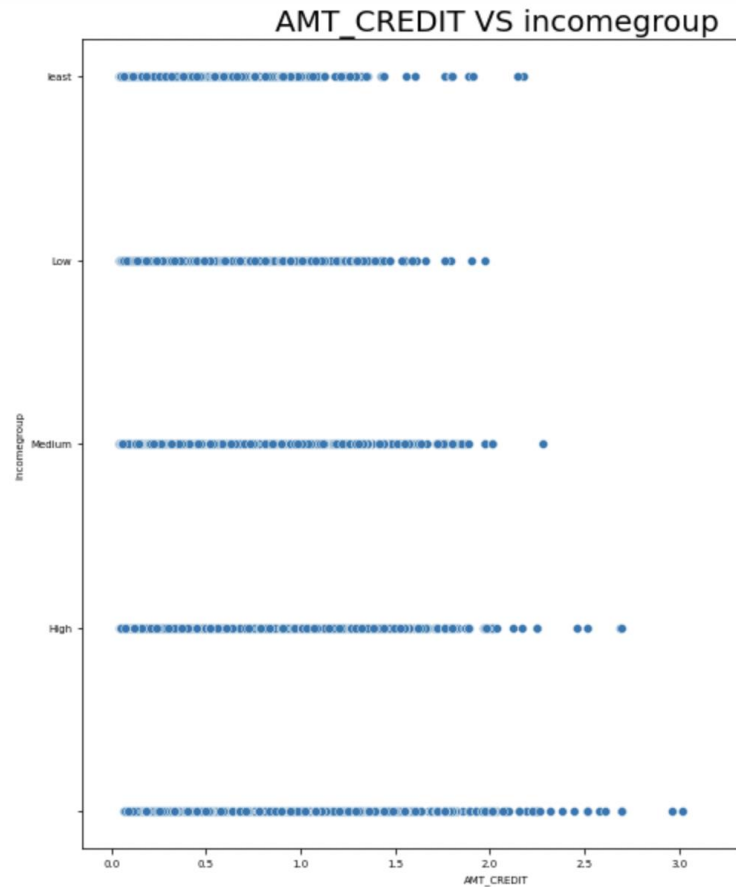


**MOST DEFAULTERS ARE LABOURERS/  
SALES STAFF**



DEFAULTERS INCOME  
RANGE IS QUITE SKEWED  
BUT WE CAN SAY THAT 25-  
30% ARE OF THE MEDIUM  
RANGE I.E, THEY MIGHT BE  
EARNING AROUND 5-6L AN  
YEAR

PEOPLE THAT EARN LEAST  
ARE LEAST LIKELY TO  
DEFAULT ON THEIR  
PAYMENTS



## LOAN CREDIT AMT VS INCOME GROUP

WE HAVE SEEN ALREADY THAT PEOPLE WITH HIGH INCOMES ARE THE ONES THAT DEFAULT MORE ON THEIR LOANS

AND THESE ARE THE INES THAT TAKE HUGE AMOUNTS OF LOANSTOO