



XYZ FINANCE COMPANY

CASE STUDY

avg_cur_bal	39717
dti	0
emp_length	1075
grade	0
home_ownership	0
int_rate	0
pub_rec_bankruptcies	697
purpose	0
term	0
dtype:	int64


Avg_cur_bal is current balance in all account

As we can see we have no record for 3917 members so we should consider them as likely to default

Loan Purpose	Count
car	1549
credit_card	5130
debt_consolidation	18641
educational	325
home_improvement	2976
house	381
major_purchase	2187
medical	693
moving	583
other	3993
renewable_energy	103
small_business	1828
vacation	381
wedding	947
Grand Total	39717

Debt_consolidation is sum of all debts

We should consider these lenders under reduced loan amount category as they already in some previous debt

Bankruptcies 	Count
1	1674
2	7
Grand Total	1681

We should consider these applicants as risky applicants as they have previous record of bankruptcies

 10+ years	8879
A	2296
B	2672
C	1693
D	1163
E	693
F	278
G	84

Employee length and grade

After analysis among these 2 factors we found that folks with 10+ exp are worst graded and we consider them under reduced loan category

RENT	1
29.86	2
OWN	2
29.88	1
RENT	1
29.89	1
RENT	1
29.92	2
MORTGAGE	2
29.93	3
OWN	1
RENT	2
29.95	1
RENT	1
29.99	1
RENT	1
Grand Total	39717

DTI Ratio and Home Ownership

Dti is debt to income ratio and we found people living on renting basis are worst performing and we should consider them as risky applicants

THANK YOU
