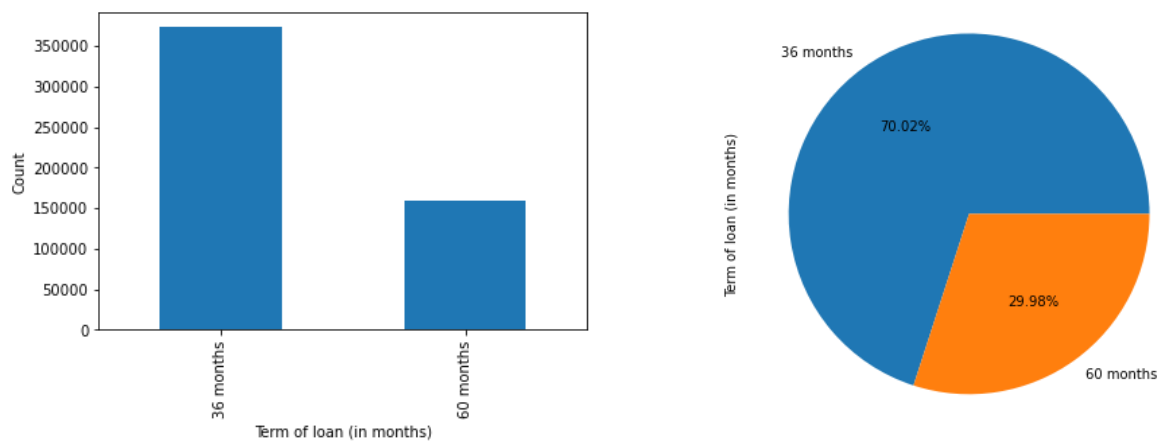


Univariate Analysis:

Analysis of Variables:

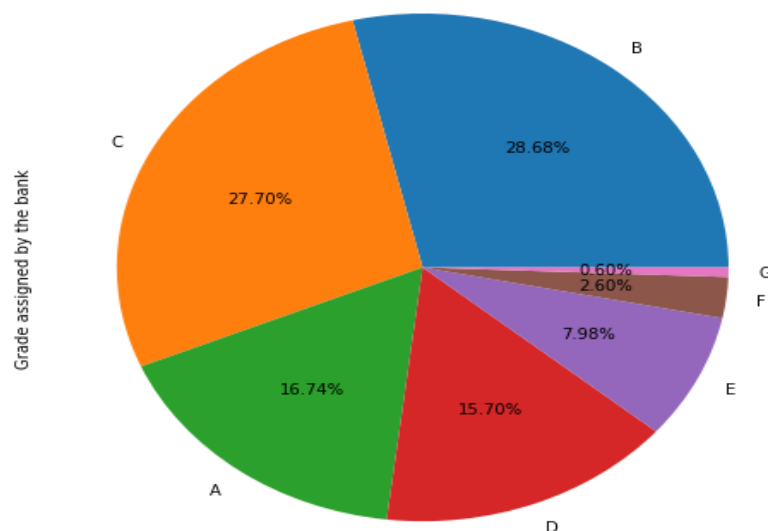
From the below plots, each of the categorical variables and numerical variables are analysed individually.

Term of Loan Attribute:



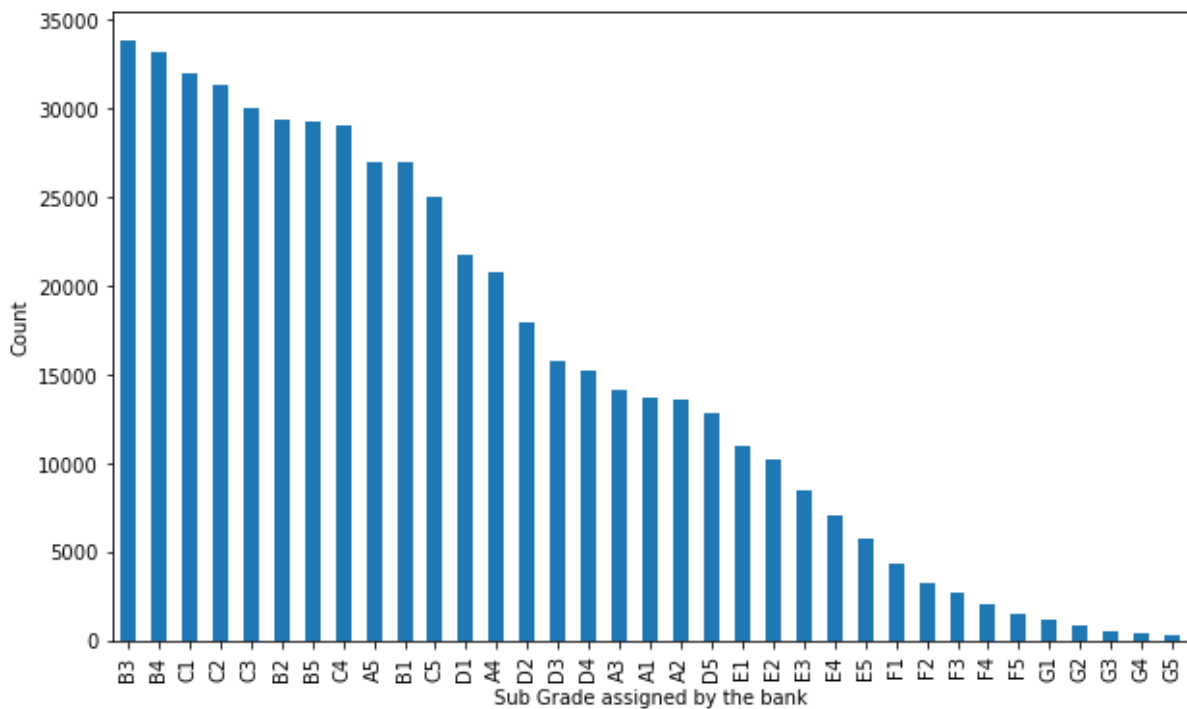
From the above plot, we can observe that 70% of members need the loan for the duration of 36 months and remaining 30% of members for the 60 months.

Grade Attribute:



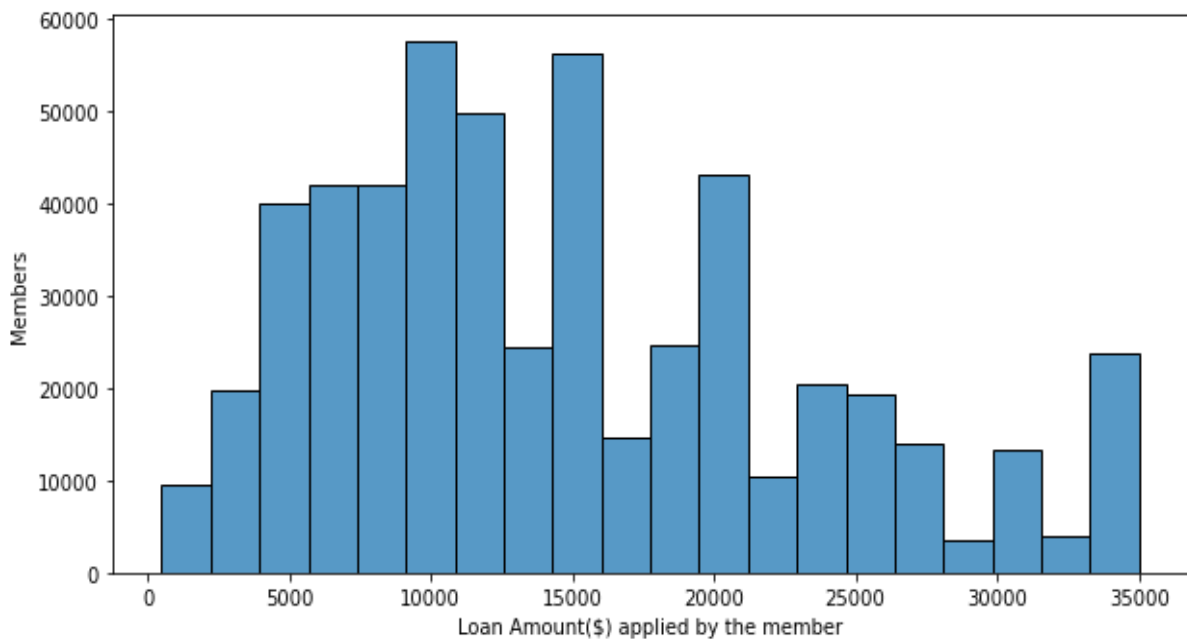
From the above plot, we can observe that the highest number of members belong from Grade B and the lowest number of members from Grade G. Also, the number of members from Grade A and D is approximately the same.

Sub Grade Attribute:



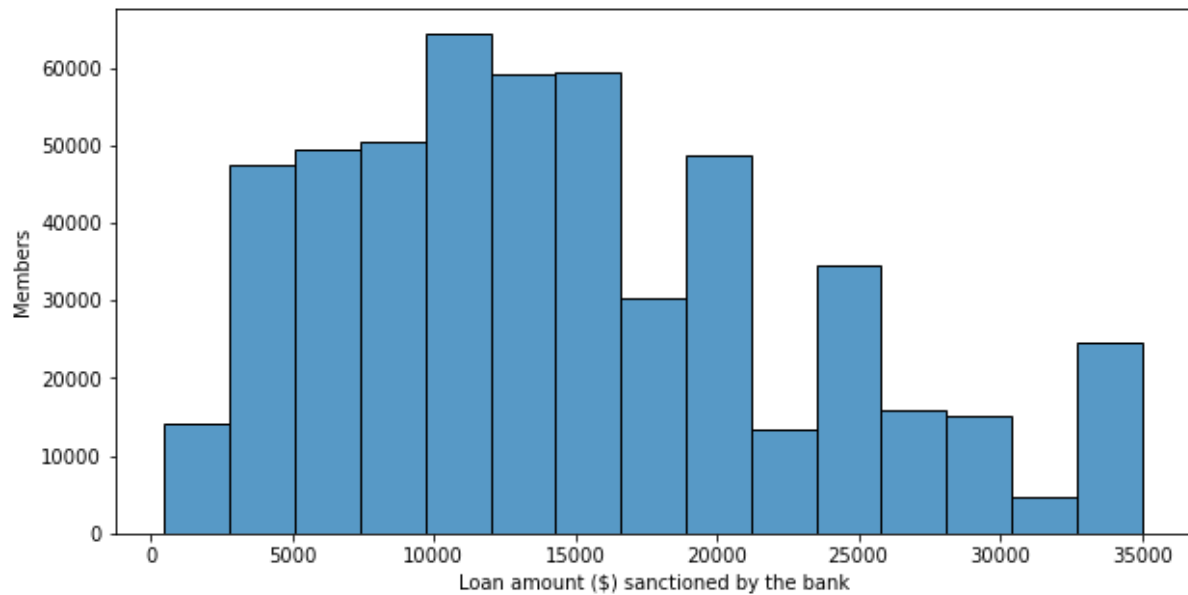
From the above plot, we can observe that the maximum members are assigned in Sub Grade B3 and lowest members are assigned in Sub Grade G5. More than 30000 members are assigned in these 5 Sub grade B3, B4, C1, C2, C3.

Loan Amount Attribute:



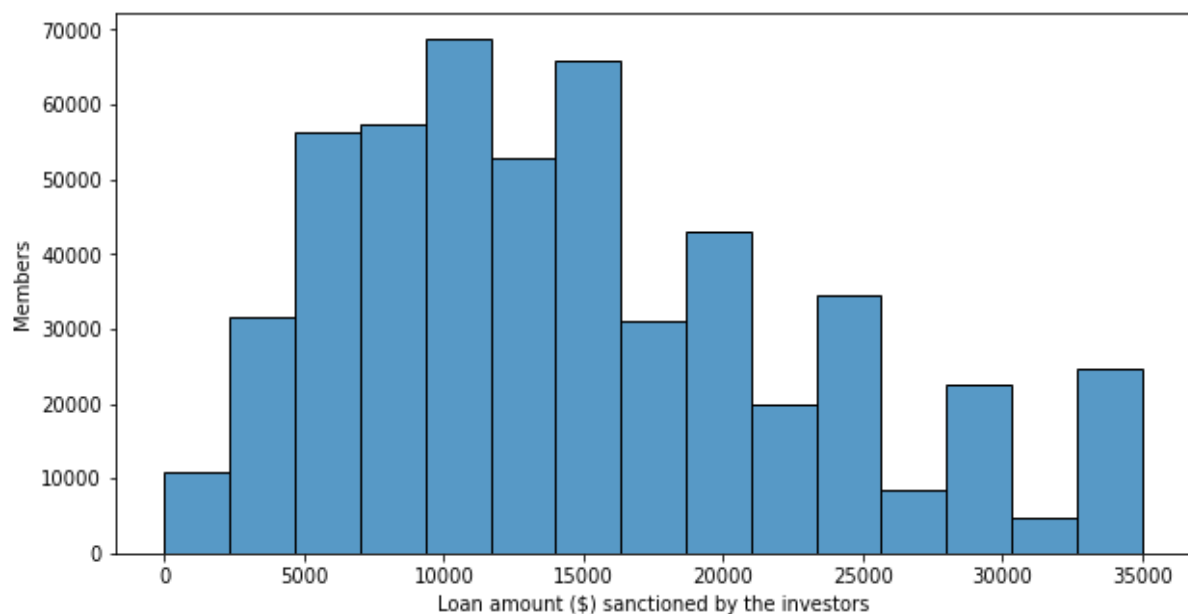
From the above plot, we can observe that the maximum loan amount applied by the member is 35000\$ and approximately 58000 members are applied the loan amount of 10000\$ and similarly 56000 members are applied the loan amount of 15000\$.

Funded Amount Bank Attribute:



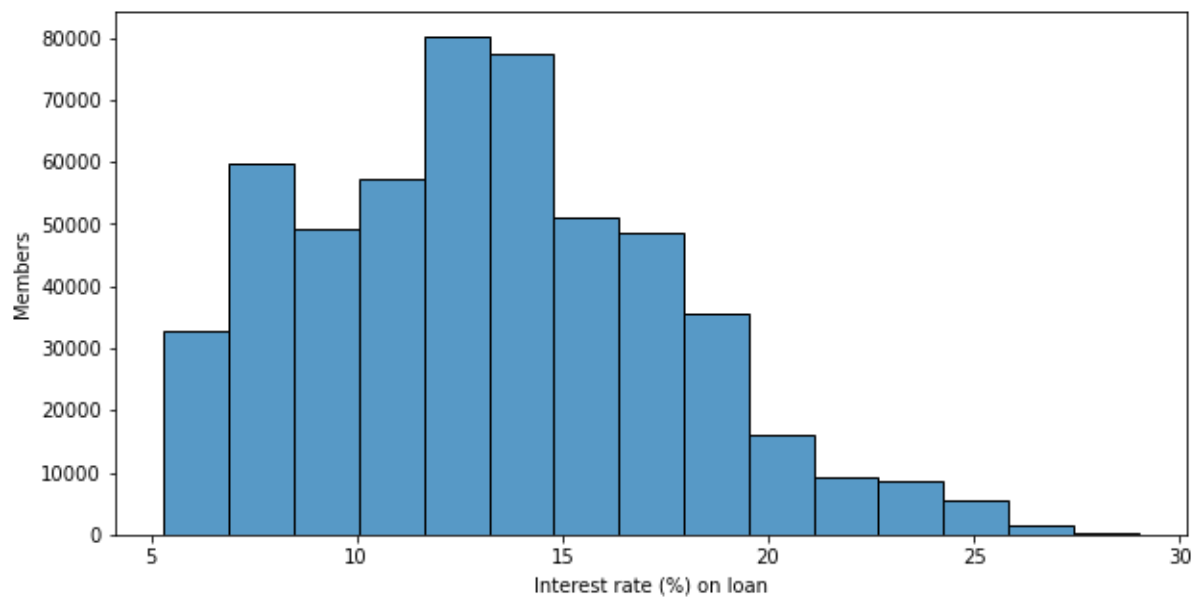
From the above plot, we can observe that the maximum loan amount sanctioned by the bank is 35000\$ and bank have also sanctioned the loan amount of 10000\$ more than 60000 members.

Funded Amount Investors Attribute:



From the above plot, we can observe that the maximum loan amount sanctioned by the investors is 35000\$ and investors have also sanctioned the loan amount of 10000\$ more than 68000 members.

Interest Rate Attribute:



From the above plot, we can observe that the maximum interest rate given on loan is around 26% and minimum interest rate given on loan is 6%. Approximately 80,000 members are paying the interest around 13%.

Batch Enrolled Attribute:

From the data, we can observe that Batch numbers allotted to members are mostly different.

Member ID Attribute:

From the data, we can observe that member id of each member are unique.