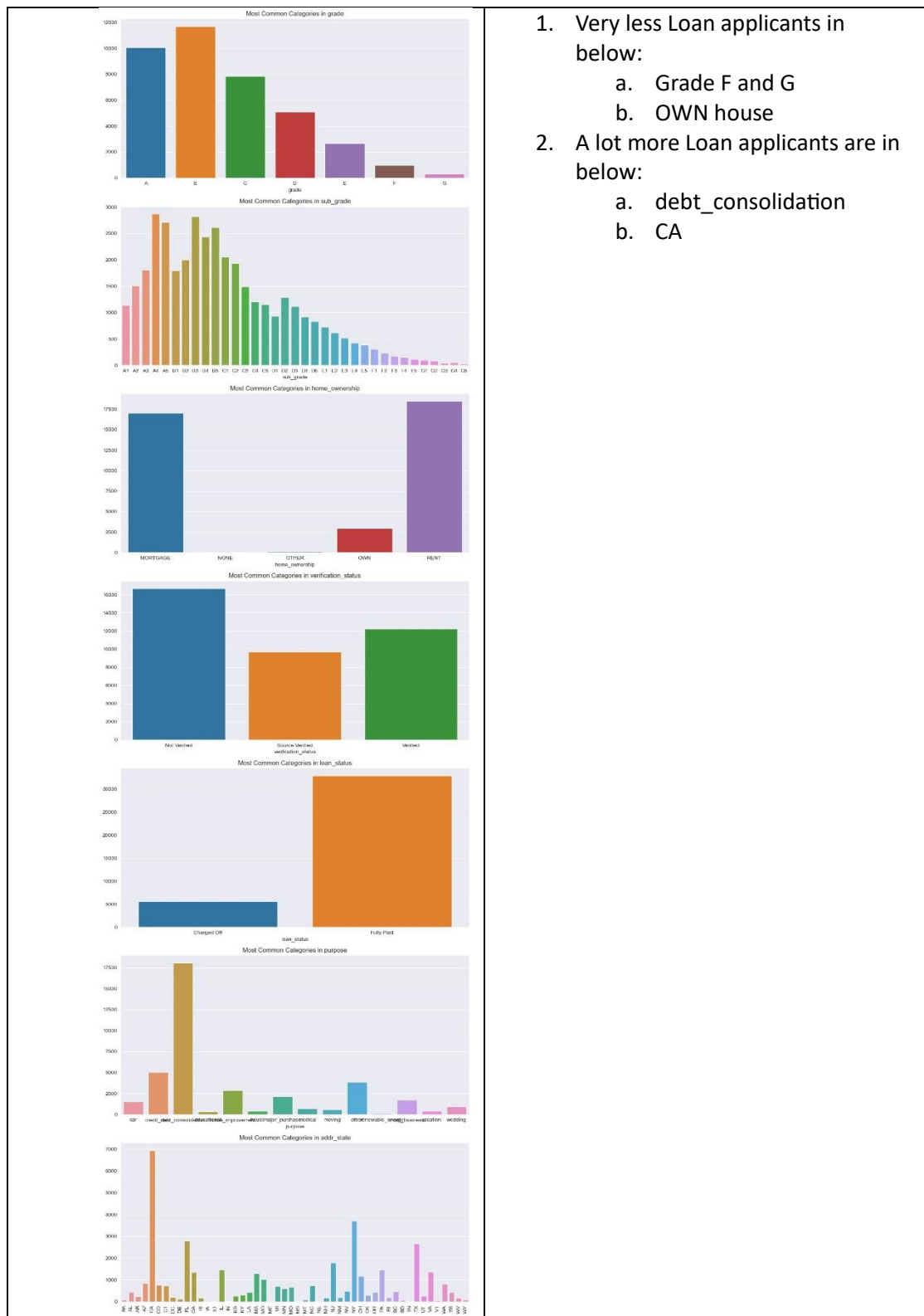
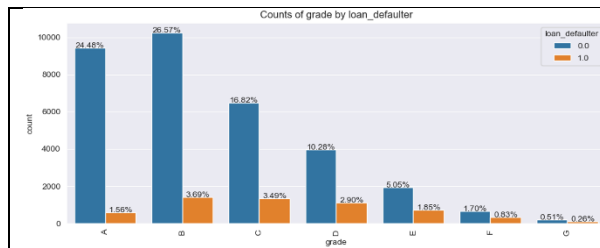


1. Category Columns in BoxPlot



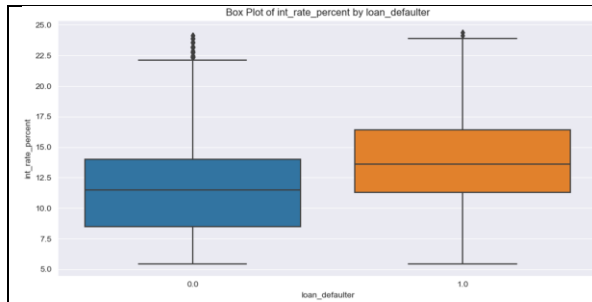
1. Very less Loan applicants in below:
 - a. Grade F and G
 - b. OWN house
2. A lot more Loan applicants are in below:
 - a. debt_consolidation
 - b. CA

2. CountPlot for Categorical Columns versus Loan Defalters

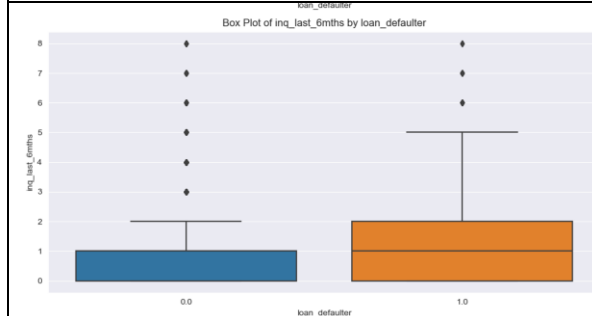


1. As the Grade towards D,E,F,G the percentage of having a defaulter is higher

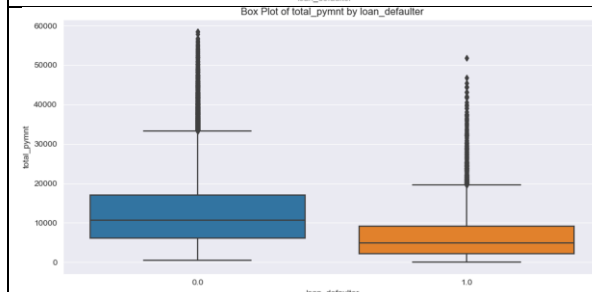
3. BoxPlot for Numerical columns versus Loan Defaulter



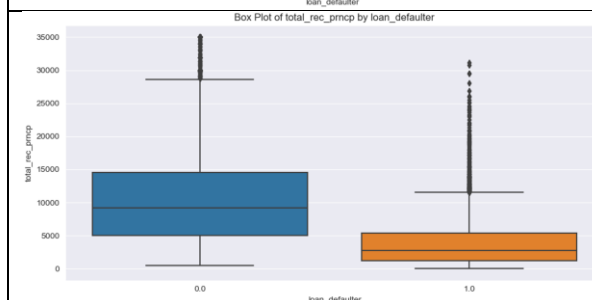
1. Higher Interest Rate has higher defaulter. esp., above 12.5%



2. Higher the enquiries on the credit status of the applicant, higher the chances of default

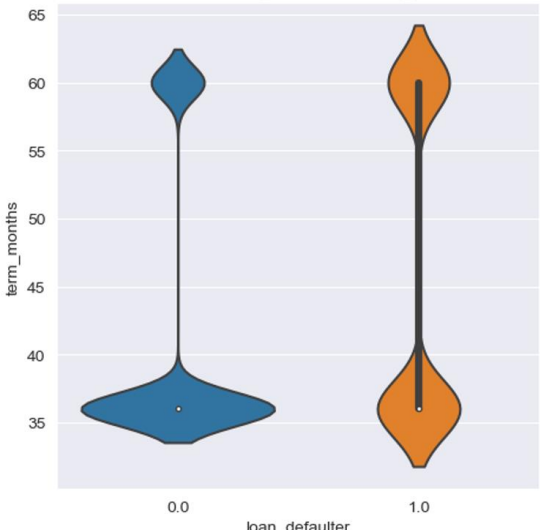
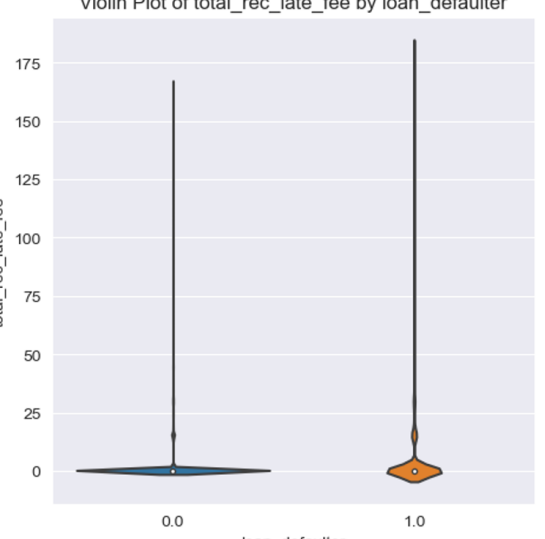
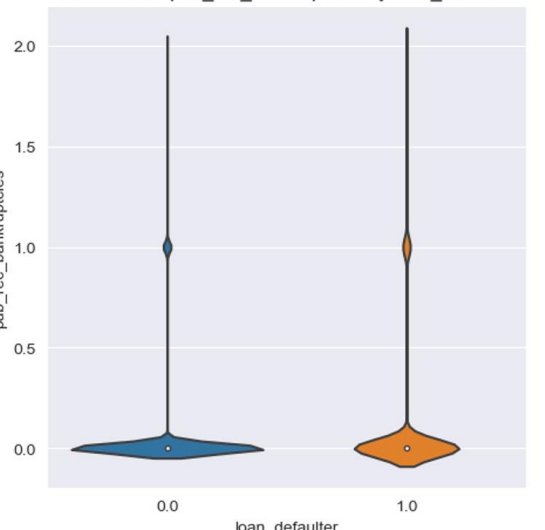


3. After loan issuance, higher the loan payment is done, lower are the chances of being default

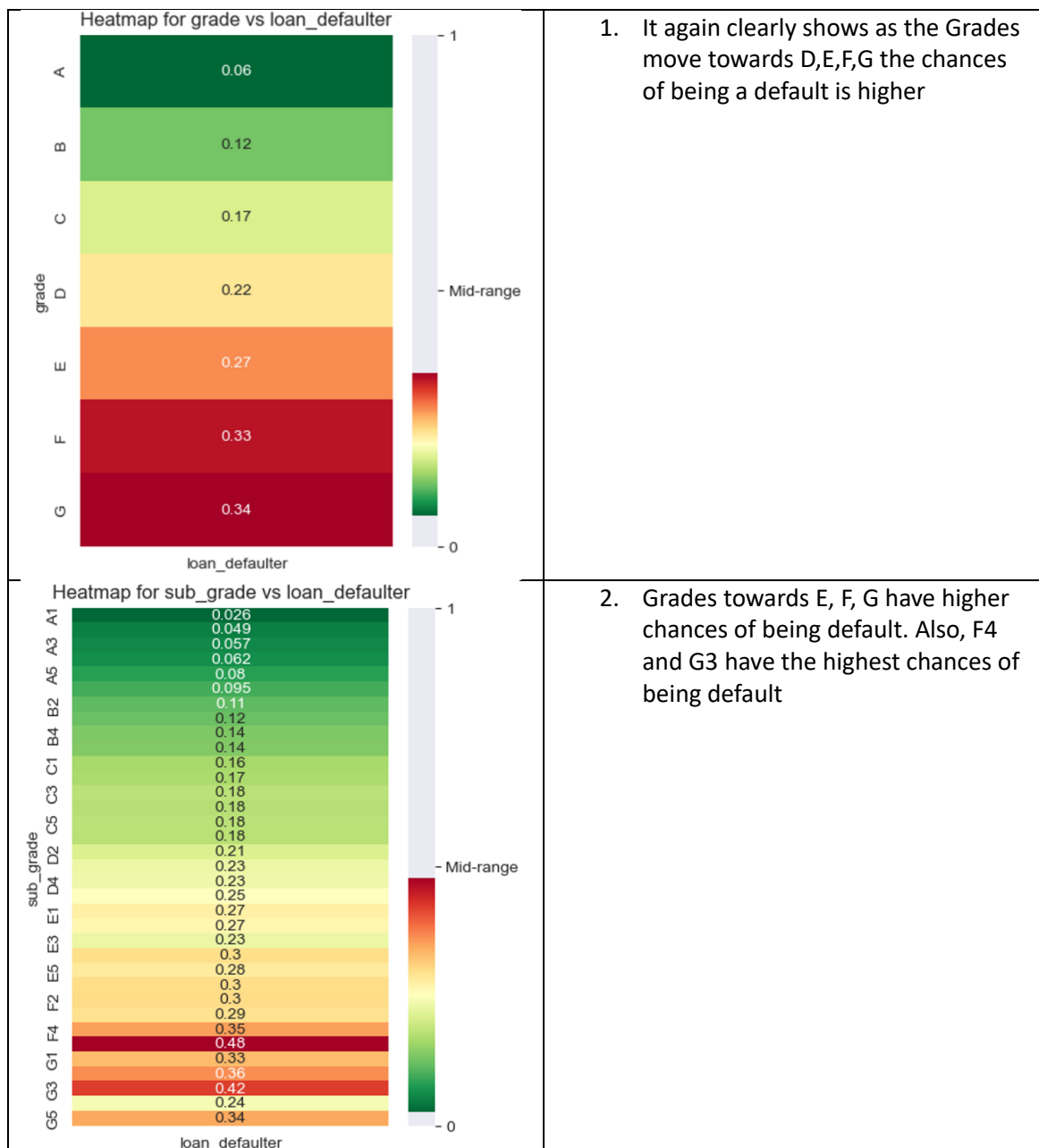


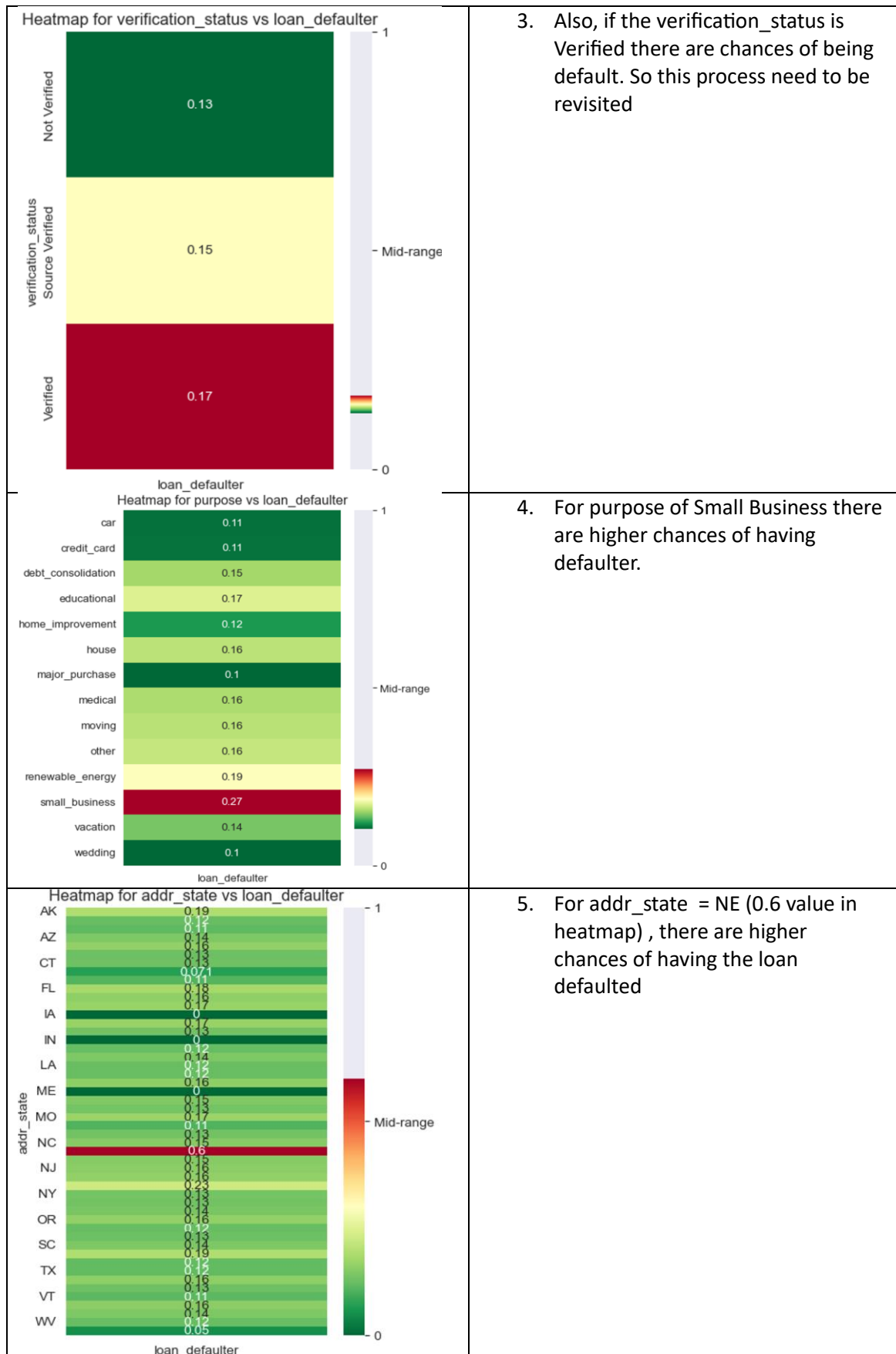
4. After loan issuance, higher the principal payment is done, lower are the chances of being default

4. Violin Plot for Numerical Columns versus Loan Defaulter:

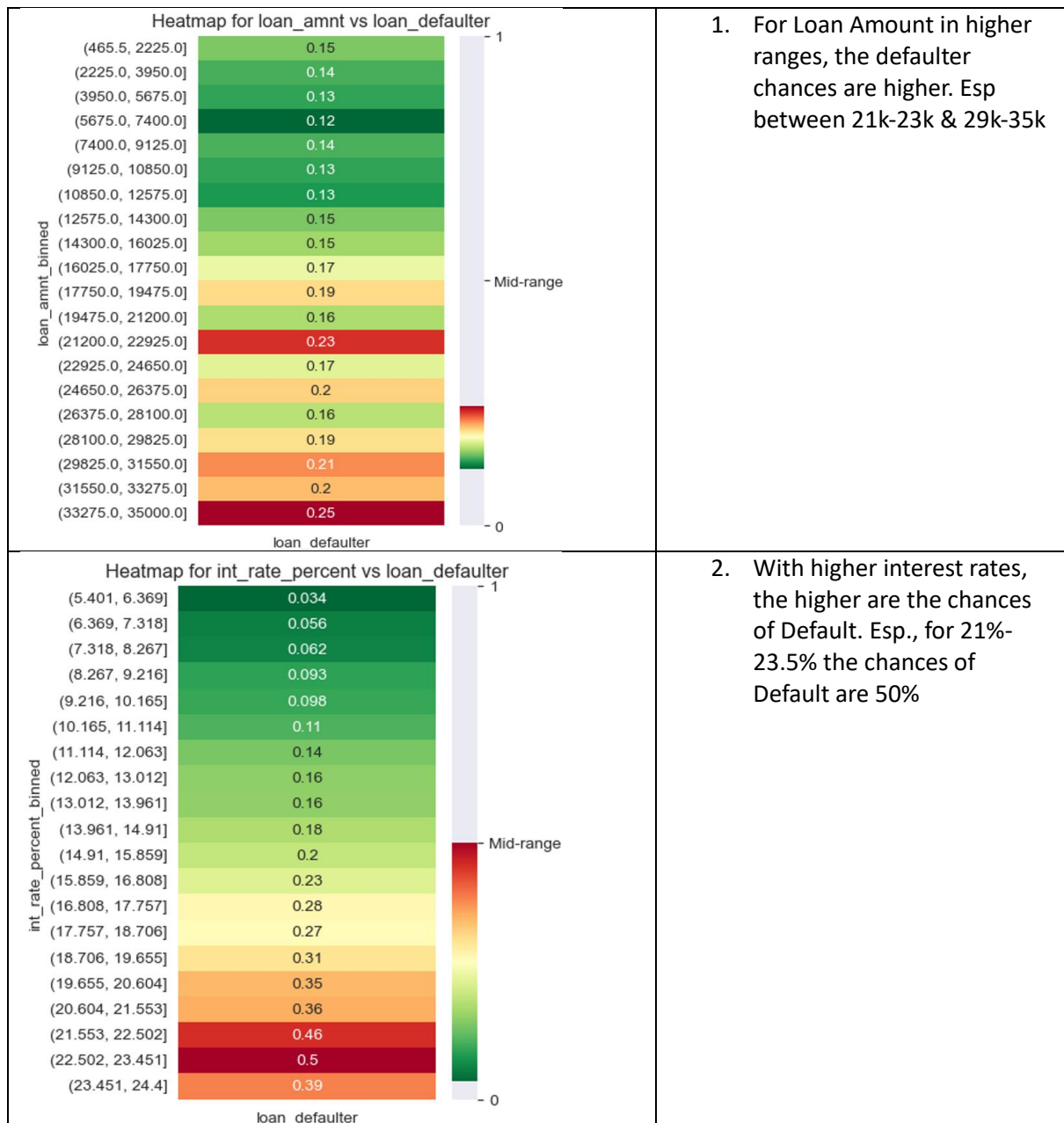
<p>Violin Plot of term_months by loan_defaulter</p>  <p>term_months</p> <p>loan_defaulter</p>	<p>1. There are more applicants at term_months around 35 months to be not Defaulted and have Fully Paid</p>
<p>Violin Plot of total_rec_late_fee by loan_defaulter</p>  <p>total_rec_late_fee</p> <p>loan_defaulter</p>	<p>2. Lower the total_rec_late_fee higher the chances are to Fully Pay the loan. So having lesser recovery late fees would help in having the loans paid fully</p>
<p>Violin Plot of pub_rec_bankruptcies by loan_defaulter</p>  <p>pub_rec_bankruptcies</p> <p>loan_defaulter</p>	<p>3. Lower the pub_rec_bankruptcies higher the chances are to Fully Pay the loan. So the time pub_rec_bankruptcies are more its an indication of being a defaulter</p>

5. Categorical Columns – Heatmap versus Loan Defaulter





6. Numerical-Columns-Heatmap versus Loan Defaulter



1. For Loan Amount in higher ranges, the defaulter chances are higher. Esp between 21k-23k & 29k-35k

2. With higher interest rates, the higher are the chances of Default. Esp., for 21%-23.5% the chances of Default are 50%

