Lending Club Case Study

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Problem Statement

- Our company is the largest online loan marketplace, facilitating personal loans, business loans, and financing of medical procedures
- Borrowers can easily access lower interest rate loans through a fast online interface.
- We have access to historical data of borrowers, how much loan was requested, how much money was approved, and other details about the loan
- Using Past Borrowers Data find out whether we can predict who will default

Methods Used

Data Cleaning

Fix Rows & Cols
Fix Missing Values
Standardise Values
Fix Invalid Values
Filter Data

Data Understanding

Understand the data presented in the various columns by looking at the data dictionary

Univariate Analysis

Analysing data per column. Trying to find if we can find patterns from the same

Segmented Univariate Analysis

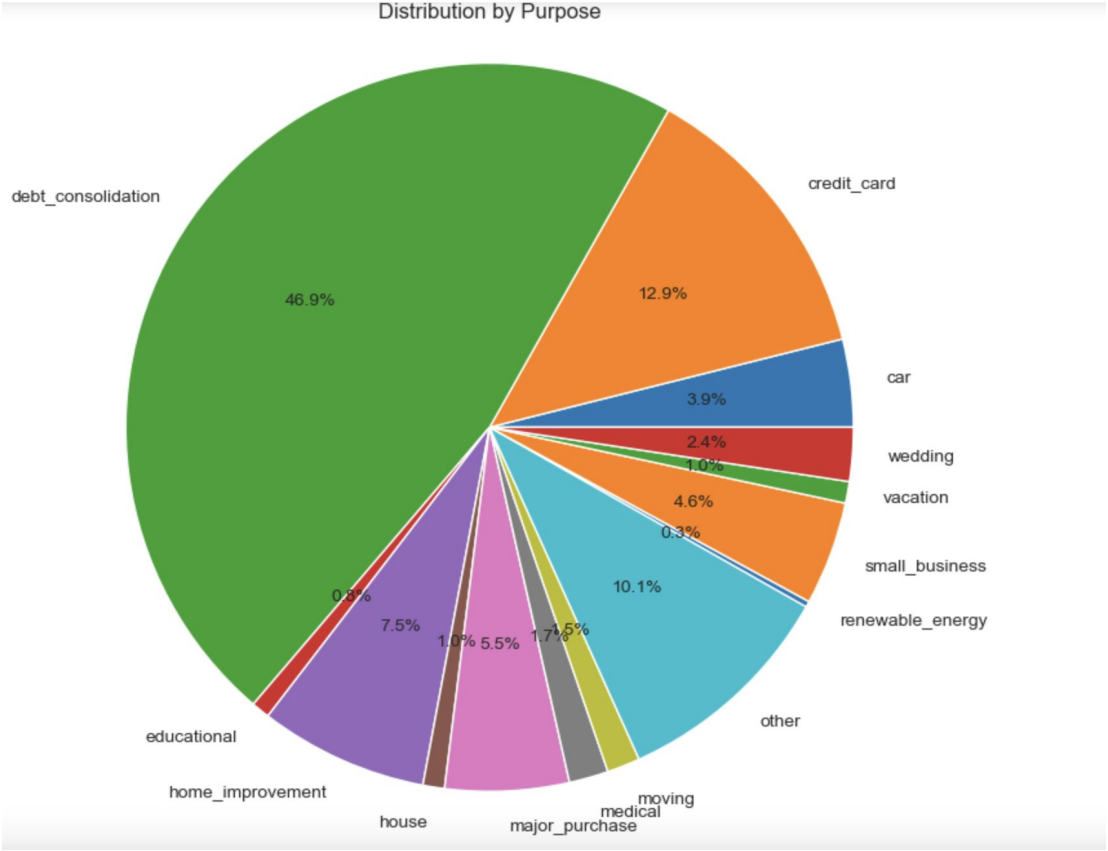
Categorize the data from a column and see if we can find patterns there

Multivariate Analysis

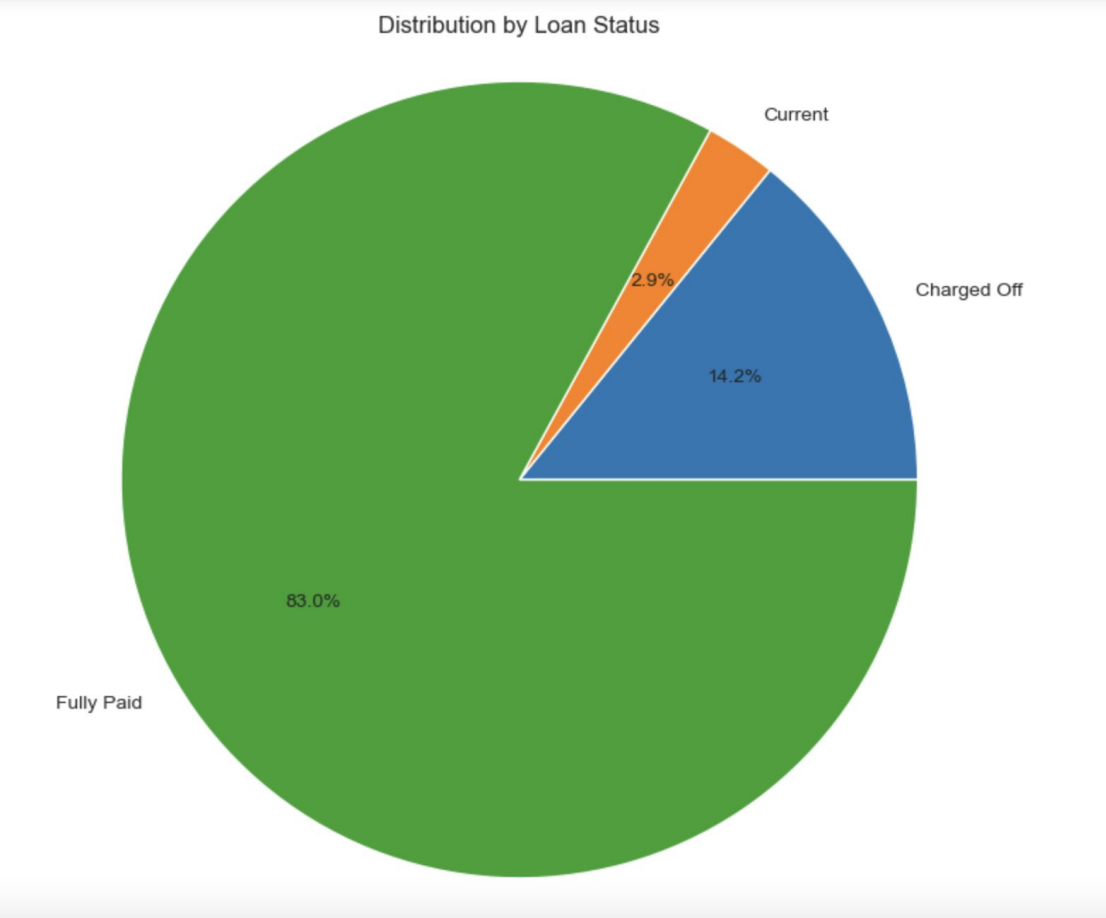
Analysing the relationship between various columns like interest against default

Observations

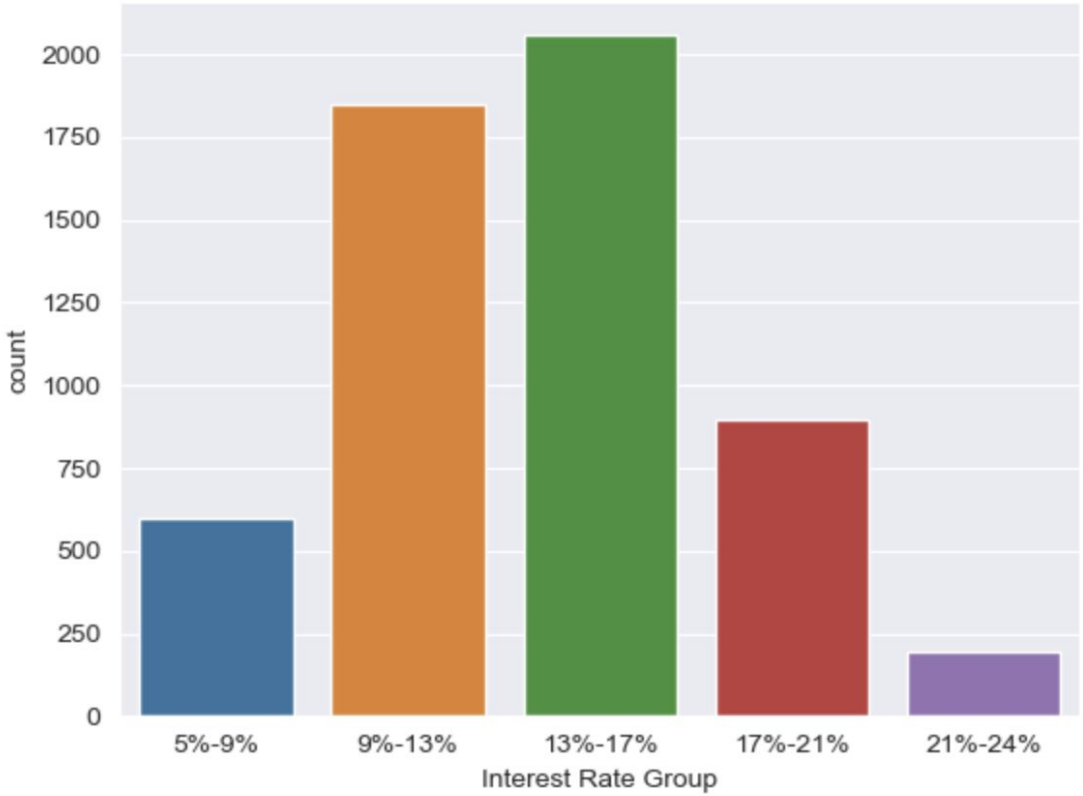
Present all the observations



Most of the loans are taken for debt consolidation



14 percent chance of loan being defaulted.



Loans in interest group of 13-17 percent have highest default