

Mini Project – Loan

Topic - Loan Dataset

Introduction - Loans dataset aims to identify variables which indicate if a person is likely to default, which can be used for identifying the risky loan applicants to avoid any financial loss to the company.

Dataset Description - It contains the complete loan data for all loans issued through the time period 2007 to 2011.

Data Dictionary -

- 1.annual_inc - The self-reported annual income provided by the borrower during registration.
- 2.dti - A ratio calculated using the borrower's total monthly debt payments on the total debt obligations, excluding mortgage and the requested LC loan, divided by the borrower's self-reported monthly income.
- 3.emp_length -Employment length in years. Possible values are between 0 and 10 where 0 means less than one year and 10 means ten or more years.
- 4.funded_amnt - The total amount committed to that loan at that point in time.
- 5.funded_amnt_inv -The total amount committed by investors for that loan at that point in time.
- 6.grade - LC assigned loan grade
- 7.id - A unique LC assigned ID for the loan listing.
- 8.installment - The monthly payment owed by the borrower if the loan originates.
- 9.int_rate - Interest Rate on the loan
- 10.last_pymnt_amnt-Last total payment amount received
- 11.last_pymnt_d -Last month payment was received
- 12.loan_amnt -The listed amount of the loan applied for by the borrower. If at some point in time, the credit department reduces the loan amount, then it will be reflected in this value.
- 13.loan_status - Current status of the loan
- 14.member_id -A unique LC assigned Id for the borrower member.
- 15.purpose - A category provided by the borrower for the loan request.
- 16.term -The number of payments on the loan. Values are in months and can be either 36 or 60.
- 17.total_acc -The total number of credit lines currently in the borrower's credit

file

18.total_pymnt -Payments received to date for total amount funded

19.total_pymnt_inv -Payments received to date for portion of total amount funded by investors

20.total_rec_int -Interest received to date