



LEARNINGFUZE

Data Science Bootcamp

**#1 rated Coding and Data Science Program in all of Orange County,
Los Angeles, and the Inland Empire.**

**Full Immersion Program
(In-Person/Live Remote)**



- Data collection
- Data analysis
- **Data preparation**
- Supervised Machine Learning
- Unsupervised machine learning
- Deep learning



Project tasks

- Start with Exploratory data analysis
- Split your data into training and testing
- Data cleaning
- Handling the missing values
- Scaling numeric values
- Encode categorical data into numeric
- Feature Engineering
- The Goal is to clean the dataset and get it ready for the Algorithms



The dataset consists of the following features:

- Loan ID: A unique Identifier for the loan information.
- Customer ID: A unique identifier for the customer. Customers may have more than one loan.
- Loan Status: A categorical variable indicating if the loan was paid back or defaulted.
- Current Loan Amount: This is the loan amount that was either completely paid or the amount that was defaulted.
- Term: A categorical variable indicating if it is a short term or long term loan.
- Credit Score: A value between 0 and 800 indicating the riskiness of the borrower's credit history.
- Years in current job: A categorical variable indicating how many years the customer has been in their current job.
- Home Ownership: Categorical variable indicating home ownership. Values are "Rent", "Home Mortgage", and "Own". If the value is OWN, then the customer is a home owner with no mortgage.



The dataset consists of the following features:

- Annual Income: The customer's annual income
- Purpose: A description of the purpose of the loan.
- Monthly Debt: The customer's monthly payment for their existing loans
- Years of Credit History: The years since the first entry in the customer's credit history • Months since last delinquent: Months since the last loan delinquent payment
- Number of Open Accounts: The total number of open credit cards
- Number of Credit Problems: The number of credit problems in the customer records.
- Current Credit Balance: The current total debt for the customer
- Maximum Open Credit: The maximum credit limit for all credit sources.
- Bankruptcies: The number of bankruptcies
- Tax Liens: The number of tax liens.