

Data Science Assignment #2

Examine the 'Lending-company.csv' carefully. Then, use the following as a guide to how you should prepare the data for further analysis:

- Drop the 'LoanID' and 'StringID' columns.
- Turn the Product categories into numeric data in the following way:
 - Map Product A to 0.
 - Map Product B to 1.
 - Map Products C, D, E and F to 2.
- For the Gender, replace 'NotSpecified' with the mode of the column.
- Extract the Location numbers and use them as values and apply the same procedure to the Region column. Make sure they are int or float type.
- Fill the missing values in 'TotalPrice' with the column mean.
- Drop all rows with missing date values and extract the month and weekday as separate columns. Don't forget to drop the 'StartDate' column at the end.
- Examine the 'TotalDaysYr' column and decide what should be done.
- Drop all rows with missing loan status values and where the status is 'Blocked'. Map Active to 0 and Finished Payment to 1.