Dataset

- The used data set was ProsperDataLoan one of the data set options. You can find the download link here.
- You would also note that I have added a cs file named ”tidy_loan.csv” that file has all the outliers deleted in addition it includes only the features used in the finalpresentation.inpy

Main findings

- A direct realtionship between the Prosper Rating and loan status was observed. as the rating improves the Loan status is more lickley to be completed

- it's more likely to have their loan status
    - Completed if LoanOriginalAmount < 15k and the monthly Income> 10k
    - Defauted if LoanOriginalAmount > 15k
- Surprisingly, all the loan amounts that was greater than 15k was defaulted. Even if the customer has a prsoper score equals to 10 – from the best cutomers –.

- Find at the end that there is a threeshold for accepting or rejecting the loan request which is depednt on both the loan amount and customer prinicpal Payments. Where for a loan to be completed, the customer has to have principal payments greater than the loan amount by one thousand dollars

Presentation

- I Tried to make the presentation smooth by asking questions and answering it in the following slide
- The presentation starts by a very qualitative way to see if the loan’d be accepted or rejected then as slides pass, the quantitaive ways to determine the outcome loan status has been intorduced
- Finally, I finshed the presentation with a note to the reader, In case he wanted to propse for a loan.
- A small note, I tried to hide the code on presenting the visuals, However, I dig into some errors. Despite the fact that I have included the toggle file. Hence, I posted the slides without the temple extenstions.

List of resources

- To convert categorical variables into numeric ones, I used this.

- In addition, I took the diamonds.inpy and the templates provided by udacity here as a primary resource.

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