

# TABLEAU STORY ON PROSPER LOAN DATA PROJECT REPORT

## SUMMARY:

From this story, we can find out how many number of loan accounts present and total amount borrowed by these loan accounts under each status and the story also keeps focus on the loan accounts that were defaulted. It looks like most of the loan accounts (1586) that were defaulted originated in the year 2007 and hence most of the loan amount that the loan agency could not able to get back was also borrowed in the same year. It also appears that defaulted loan accounts have higher interest rates (0.23983) compared to other accounts could be a one of the factors for loans accounts being defaulted. It also appears that borrowers whose loan accounts were defaulted are having lower average stated monthly income (4367) when compared to others and this could be the major factor for borrowers for not being able to repay their loans.

## DESIGN:

I used bar charts for the first dashboard and for a couple of other visualizations since bar charts serve better which involves several categories with quantitative data. In the second dashboard I made use of line charts as they were more useful for plotting numerical data over time. I also used a scatter plot because it is always better to use scatter plots when dealing with two quantitative variables. I made use of light colours for all the charts since using red, green or yellow colours would distract the audiences from the insight.

## FEEDBACK:

<https://public.tableau.com/profile/chaitanya2847#!/vizhome/IdentifyingDefaultedLoans/Story1>

I shared my tableau story with my personal mentor and received suggestions from the mentor to make improvements for the visualizations in the story. First suggestion from the mentor was to change the title of the story since the story is focussing on the loans accounts that were defaulted so he suggested me to use a different title to emphasize it. Hence, I changed the title from *Prosper Loan Data* to *Identifying Defaulted Loans*. Second suggestion I received from mentor was to change the colours for the defaulted loan amount group in the second dashboard to make the visualization look better. So, I selected a little darker colour and changed the colour from **Blue** to **Orange** and **Brown** to **Blue**. Third suggestion I received from his was that shapes are not required for the scatter plot since shapes does not add any other extra information. Therefore, I removed the defaulted loans group from the **Shape** mark. Last suggestion that I received from the mentor was to add a colour to make the defaulted loan status bar to standout among all since that is what the visualization is mainly showcasing. Hence, I added the defaulted loans group to the **Colour** mark. I made all the changes and saved it as a new story in the tableau public. The link to the modified story is provided below.

[https://public.tableau.com/profile/chaitanya2847#!/vizhome/IdentifyingDefaultedLoans\\_0/Story1](https://public.tableau.com/profile/chaitanya2847#!/vizhome/IdentifyingDefaultedLoans_0/Story1)

I also received feedback from Udacity project reviewer on my tableau story when I submitted my report for final review. The reviewer suggested some improvements for the story. First suggestion was to combine the last two slides in the story into one concluding dashboard. Second suggestion is about mentioning the finding in the second slide of my story as either a comment box or in the heading. Last suggestion was to use appropriate name instead of using *Other* in the legend. I made all the changes suggested by the reviewer and saved the modified story as a new story in my tableau public. The link for this story is provided below.

<https://public.tableau.com/profile/chaitanya2847#!/vizhome/IdentifyingDefaultedLoans1/Story1>

**RESOURCES:** N/A