

# ProsperWriteup

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## 0.1 Project : Tableau Story (Prosper Data) : Chundi Himakiran Kumar

### 0.1.1 Summary

- Prosper Loan data set was selected for analysis and creating a story in Tableau. The data set has 81 columns but we have selected the LoanAmount sanctioned in a year to see if we can spot an insight or tell a story about the LoanAmount sanctioned from 2005 to 2014. We have been able to show that there was substantial increase in Loan Amount sanctioned in the Year 2013 and we could explain it by correlating it with the drop in Borrower APR for the same year. We have also been able to show the states which contributed the maximum change in Loan Amount in the year 2013 by comparing the data visually with the year 2012. Post feedback we showed that the inclusion of homeowners showed that homeowners had higher loanAmounts and lower APR but the change from the year 2005 to 2013 was the same for both homeowners and non homeowners. We also saw that from year 2009-2011 there was a straight linear fall of Prosper score and matching rise of Borrower APR.

### 0.1.2 Design

- We used the ideas of simplicity and avoiding excessive color and details to present our insights in a very clear manner.
- We used the line graph to show the change in LoanAmount from 2005 to 2014. We then made use of filters to see the change in year 2013.
- We also used the bar chart in one sheet to show the clear increase in quarter 4 of 2013. We then used similar design to show the drop in borrower APR which we used to explain the rise in loan amounts sanctioned in 2013.
- We took the analysis a step further to see if we could identify the states where the maximum loan increase happened. We made use of the Geographical layout feature by giving a geographic role to the borrower state variable.
- We combined all the sheets inside a dashboard and used them to tell a logical story of the rise in Loan amounts sanctioned in year 2013 compared to other years.
- POST FEEDBACK
  - We used the color marks feature to bring in the homeowner field to our existing sheets.
  - We also used this color marks feature to plot the borrower APR vs the Prosper score and see the change from year to year.

### 0.1.3 Feedback

- The first feedback we got was to incorporate the homeowner status and see if that made any change or brought fresh insights to our existing analysis.
- The second feedback came from colleagues who said that since we had compared the borrower APR vs Prosper score and showed that they were inversely correlated in the previous project of "Exploratory Data Analysis", it would be interesting to see the change in both from 2005 to 2013 and see if we can get any insights regarding the same.

### 0.1.4 Resources

- Udacity course ware and walkthroughs
- Tableau online help

### 0.1.5 Links

- PreFeedback Workbook : <https://public.tableau.com/profile/himakiran#!/vizhome/SubmissionProsperD>
- PostFeedback Workbook : <https://public.tableau.com/profile/himakiran#!/vizhome/SubmissionProsperL>