

Visualisation with Tableau

April 7, 2019

1 Visualisation with Tableau

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1.1 Data Set

The Dataset can be downloaded from this link [Proposer Loan Data](#)

This data set contains 113,937 loans with 81 variables on each loan, including loan amount, borrower rate (or interest rate), current loan status, borrower income, and many others.

1.2 Visualisation

The data set has a lot of variables to get visualisation for all variables it will take a lot of time. I will just try to get a story from this data set with some of dashboards. Each dashboard will cover a variable and relationship with some other

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<p> the link for the initial visualisation is <a
  href="https://public.tableau.com/profile/wessam.alhallak#!/vizhome/Loan_1553977236
  Visualisation </a> </p>
<p>https://public.tableau.com/profile/wessam.alhallak#!/vizhome/LoanInit/ProposalRateS
</p>
<p> the link for the final visualisation is <a
  href="https://public.tableau.com/shared/B5NCJSCQM?:display_count=yes">Final Visual.
<p>https://public.tableau.com/shared/B5NCJSCQM?:display_count=yes</p>
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1.2.1 Findings:

1- Executive, Computer Programmer, Sales-Communication are in the top regarding Loan total. Loan in all Dataset, While Teacher are the highest the most loan count

2- in other hand Judges are the highest average borrower. Students tend to loan a less than third when we compare them with Judge. In the same time they are willing to pay more in borrow rate which is clearly understandable. The risk of they are not able to pay back is the most.

3 - the borrow rate is highly correlated with the loan time and how much the borrower will pay monthly

1.2.2 Design:

Using Bubble set for market share with color variable to increase the importance of each category (factor) when there is many unique value in the factor

Using dynamic view for some time changing variables to let the viewer feel the changing in it (by using page feature in Tableau)

Using a parallel bar diagram for some categories (few unique value like Term only 3 (12,36,60))to make the comparison in each value of the factor more direct for perception

Using pie diagram to show the market share for IncomeRange and the change in time

Using Scatter plot to show the relation between to measure : and also using color to make it clear of the deference between terms

Using a parallel bar diagram for some categories (few unique value like Term only 3 (12,36,60))to make the comparison in each value of the factor more direct for perception

1.3 Feedback:

1-Make the borrower rate as a size variable to make it clear that when the value and turst of the borrower is high make the rate low : in the second dashboard of the story

2- All the dashboards and workspaces which are already included in story should be hidden (dont repeat yourself) .

3- Adjust the color for the diagrams to make it color blind friendly

4- give a small discription for the element of the story and make it easy to understand and self-digest.