

Project: Create a Tableau Story

First Version: [link](#)

Final Version: [link](#)

Summary

The focus of my story is on the relationship of income to several important variables when it comes to taking out a loan. The story visualizes trends between income and several credit-related metrics like credit score, number of credit lines open, and debt-to-income ratio. It also looked at income's relationship to average APR, lender yield, loan amount, and whether or not a borrower defaulted. The findings were that as income increases, on average, people have slightly better credit scores, lower debt-to-income ratios, and more credit lines. An increase in income also showed a lower APR and lower lender yield. When it came to defaulting, the only income range that had a higher proportion of defaulters than not was the lowest, making \$1-\$24,000 per year. A conclusion could be drawn that people who earn more money are likely to get a better deal on a loan, and that loan, on average, will increase as income increases. Additionally, lenders will profit more from borrowers the lower their income is until it falls below \$24,000, then the risk of defaulting increases.

Design

After exploring the distributions of the data I chose to use more bar charts and scatterplots to illustrate some of the linear relationships I found. The line graph was chosen to show the relationship between loan amount and lender yield; when people take out smaller loans the term is usually smaller as well, which means a higher APR and more money paid back to the lender. After my first draft I received feedback to add a graphic about loan status.

Feedback

I received feedback from my roommate who suggested that I include a graphic about defaulting and income, as it is a risk that lenders would like to be able to predict as accurately as possible. Other than that suggestion, he said that my visualizations were clear and easy to understand.

Resources

N/A