

# Questions To Be Answered Through Visualizing The Financial Risk Assessment Dataset

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Some of the questions that can be addressed through the visualizations, using the Financial Risk Assessment dataset are mentioned below. Each question is followed by a brief explanation of how I plan to approach it.

## **1. What is the distribution of loan applicants by age?**

I will use a histogram to visualize the age distribution of the loan applicants and identify the most common age group.

## **2. How does income level vary across different education levels?**

Using a boxplot, I will compare the income levels for each education category, showing the spread and average income for different education backgrounds.

## **3. How does loan purpose vary across applicants?**

I will use a bar chart to show the count of applicants for each loan purpose, giving an overview of why individuals are taking loans.

## **4. How do employment status and loan amount correlate?**

This will be visualized using a boxplot or bar chart, comparing loan amounts taken by applicants with different employment statuses.

## **5. How do different states/countries compare in terms of loan amounts granted?**

I will create a geographical map visualization to display the distribution of loan amounts across various states or countries.

## **6. Are individuals with changes in marital status more likely to default on their loans?**

Using a bar chart, I will compare the default rates of individuals who have had changes in marital status against those who have not.