

#### DefaultShield: Business Loan Default Prediction

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#### Addressing Loan Defaults with Data Science

Loan defaults occur when people or businesses can't repay borrowed money, causing financial challenges.

We see an opportunity to use data science to predict and manage loan defaults effectively.

Our mission is to make borrowing and lending money safer and more efficient for everyone.





## Vision: Making Lending Safer with Data Science

Our vision is to use data science to predict loan defaults by analyzing relevant data.

Factors like a borrower's history, financial situation, and industry trends will guide the analysis.

Aim to build a system that reduces lending risks and increases efficiency for banks.

Create a financial world where loans are safer and more accessible for all.

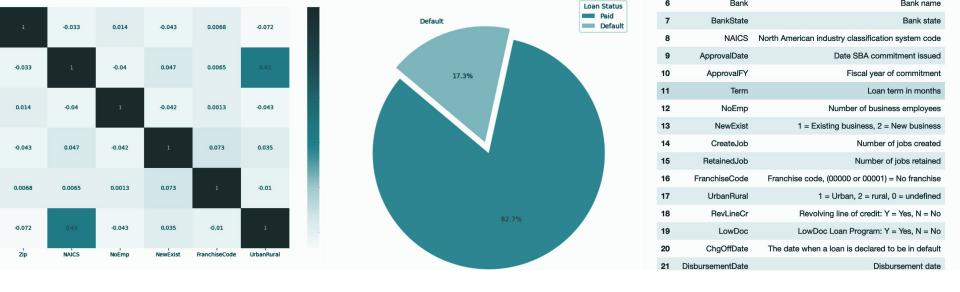
## Estimating the Potential Impact

**First:** For Lending Institutions

Second: For Borrowers

**Last But Not Least:** For the Whole Economy





## Exploring the Data: Quality and Early Insights

# Moving Forward: Data Enhancement and Baseline Modeling

**Data Processing:** Address data quality concerns, including cleaning, imputing missing values, and handling outliers.

**Feature Engineering:** Create new features and modify existing ones to capture important relationships in the data.

**Baseline Modeling:** Begin with a baseline model, typically a logistic regression model, to establish a starting point for predictions.



### Thank You!