

Statement of Work

Project Title: Development of Credit Risk Model

Project Overview: to develop a sophisticated credit risk model. This model will include a credit scorecard that categorizes loan applications into Poor, Average, Good, and Excellent categories, based on criteria similar to the CIBIL scoring system.

Scope of Work:

Development and Implementation

1. Model Development: Build a predictive model using a dataset which includes historical loan data and default indicators.
2. Scorecard Creation: Develop a scoring system that categorizes credit scores into Poor, Average, Good, and Excellent.
3. Streamlit UI Application: Develop a user-friendly interface where loan officers can input borrower demographics, loan details, and bureau information (such as credit utilization and open accounts) to obtain predictions on default probabilities and credit ratings.

Deliverables:

A fully functional credit risk model. The model should have high explainability where the business can interpret model behavior and suggest necessary tweaks.

A Streamlit-based application for real-time assessment of loan applications.

Documentation and reports on model performance and maintenance.