SKILLCATE

Credit Scoring Project for ABC Bank

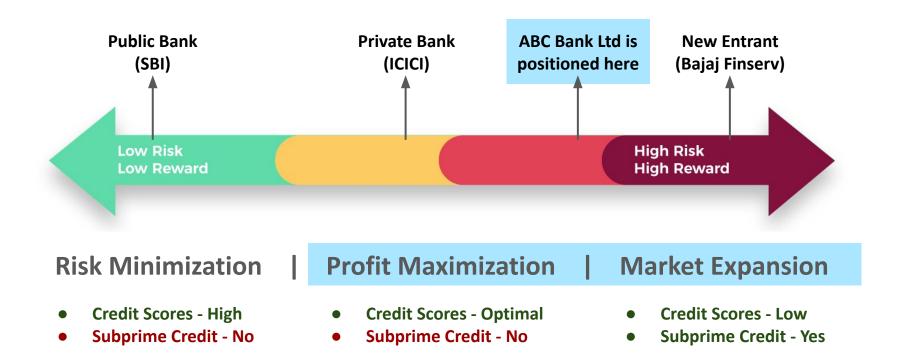


Business Case: Credit Risk Modelling

- ABC Bank Ltd. intends to build an in-house risk model to make lending decisions for <u>subprime mortgages</u>
- Business objective is to maximise profitability, given:
 - Profit from a good customer is \$100
 - Loss from a bad customer is \$500
- Bank has shared historical data on customers':
 - Credit bureau records
 - Loan outcomes (paid off or bad loan)

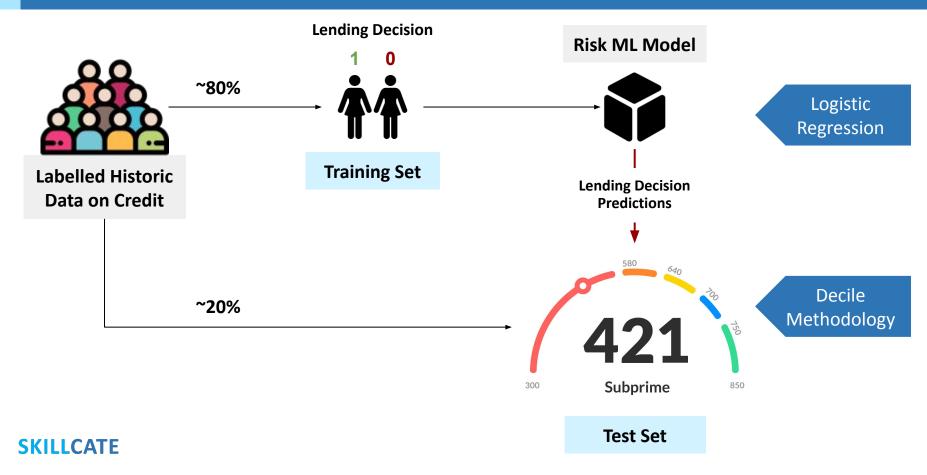


Our understanding of the assignment





High-level solution architecture...



Our approach



Assumptions

- missing values imputed with mean
- customer ID excluded from analysis



Trained a classification model, for

- predicting likelihood of loans being good/bad
- using Logistic Regression Classifier



Deliverable #1: In-house Risk Model



83%

Model accuracy achieved



Zero

Operational Cost to Business



ABC Bank's Lending Strategy: Options





