

Personal Loan Campaign

Problem statement:

Predict whether a customer will respond to a Personal Loan Campaign!

- perform data exploration, preprocessing and visualization
- implement Classification algorithms using sklearn library
- evaluate the model using appropriate performance metrics
- develop the Personal loan campaign model..

Introduction:

This case is about a bank (Thera Bank) whose management wants to explore ways of converting its liability customers to personal loan customers (while retaining them as depositors). A campaign that the bank ran last year for liability customers showed a healthy conversion rate of over 9% success. This has encouraged the retail marketing department to devise campaigns with better target marketing to increase the success ratio with minimal budget.

About Dataset:

The file Bank.xls contains data on 5000 customers. The data include customer demographic information (age, income, etc.), the customer's relationship with the bank (mortgage, securities account, etc.), and the customer response to the last personal loan campaign (Personal Loan). Among these 5000 customers, only 480 (= 9.6%) accepted the personal loan that was offered to them in the earlier campaign.

