University of Edinburgh

M.Sc. Module in Credit Scoring

Description of the Irish Credit Dataset

In the module, you will carry out analysis and aspects of modelling using the Irish data set.

There are 12818 records, all of them relating to applicants for credit between January 2010 and December 2010. Of these applicants, some 6474 were approved and granted the credit facility.

When the accounts had their performance measured, accounts were classified into one of several states: 0 payments delinquent, 1 payment delinquent, 2 payments delinquent, 3 payments delinquent, 4-6 payments delinquent, 7+ payments delinquent, and issued and closed (I&C). In the data set you will use, accounts which are 2 or fewer payments delinquent and accounts which are I&C are all considered to be Good, while the other accounts are considered Bad.

For each record there are 22 application characteristics (AC’s) and three performance measures (PM’s). There are also nine derived application characteristics (DAC’s).

Characteristics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type | Title | Format |  |  |
| AC | Application Date | YYYYMM |  |  |
| AC | Term | 999 | Number of Months |  |
| AC | Customer 1 Salary €K | 999 |  |  |
| AC | Customer 2 Salary €K | 999 |  | If a single application, this will be zero. |
| AC | Customer 1 Employment Status | X | See Look-up table in look-up tables tab |  |
| AC | Customer 2 Employment Status | X | See Look-up table in Look-up tables tab | If a single application, this will be blank. |
| AC | Loan Purpose | XXX | See Look-up table in Look-up tables tab |  |
| AC | Application Type | X | See Look-up table in Look-up tables tab |  |
| AC | Industry Sector | XX | See Look-up table in Look-up tables tab |  |
| AC | Customer 1 Age | YYMM | Age at date of application |  |
| AC | Customer 2 Age | YYMM | Age at date of application | If a single application, this will be zero. |
| AC | National of ... | XXX | See Look-up table in Look-up tables tab |  |
| AC | C/A – number of months with unauthorised debit interest **&** | 99 |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| AC | C/A – average number of monthly transactions **&** | 99 |  |  |
| AC | C/A – average account balance **&** | 99 |  |  |
| AC | C/A – average credit turnover **&** | 99 |  |  |
| AC | Existing Mortgage | Y/N |  |  |
| AC | Existing C/A | Y / Blank |  |  |
| AC | Existing Loan | Y / Blank |  |  |
| AC | Existing Savings account | Y/N |  |  |
| AC | Salary Mandated to Same Bank C/A | Y/N |  | Is customer salary automatically paid into a current account at the same bank? |
| AC | Time with Bank (years) | 99 |  |  |
| PM | Decision |  | Declined / Approved |  |
| PM | Status |  | If approved, 0, 1, 2, 3, 4-6, 7+ or I&C | If declined, blank |
| PM | Status - G/B/R |  | If declined, R,  if 3, 4-6, or 7+, B, else G |  |
| DAC | Cust 1 Age YY | YY | Age at date of application |  |
| DAC | Cust 2 Age YY | YY | Age at date of application | If a single application, this will be zero. |
| DAC | Ratio Bal : Cr T/o | 999.999, No Cr T/O | Ratio of Balance to Credit Turnover | If no Credit Turnover known, this is stated |
| DAC | Ratio Bal : Cr T/o Banded |  | In 15 bands using Look-up table in Look-up tables tab | If no Credit Turnover known, #N/A |
| DAC | Age Younger Gap | 99 | Age of younger applicant | = Age of applicant if there is only one |
| DAC | Age Older Gap | 99 | Age of older applicant | = Age of applicant if there is only one |
| DAC | Age Gap | 99, Same | Age of second applicant – age of first applicant | If ages are the same = Same.  If there is only one, 0. |
| DAC | Age Younger 2 | 99, S | Age of younger applicant | = S if there is only one applicant |
| DAC | Age Older 2 | 99, S | Age of older applicant | = S if there is only one applicant |

& The four characteristics marked **&** are calculated on the applicant’s current account over the last six completed months as at the date of application.