Information on the Dataset

Name of Dataset: Churn_Modelling.csv

Dataset URL: https://www.kaggle.com/aakash50897/churn-modellingcsv

Number of Rows: 10,000

Legend: Original Variables, Derived Variables

Variable Name	(Assumed) Description	Default Data Type	Final Data Type	Example / Levels
RowNumber	Row number in dataset	integer	integer	0
CustomerID	ID to uniquely identify customers	integer	integer	15634602
Surname	Last name of customers	character	character	"Hargrave"
CreditScore	FICO credit system score	integer	integer	619
Geography	Possibly where the customer opened the account	character	Factor with 3 levels	"France", "Germany", "Spain"
Gender	Gender of customer	character	Factor with 2 levels	"Female", "Male"
Age	Age of customer	integer	integer	42
Tenure	How many years ago the account was opened	integer	integer	2
Balance	Account balance	numeric	numeric	83808
NumOfProducts	Number of the bank's products the customer uses	integer	Factor with 4 levels	"1", "2", "3", "4"
HasCrCard	Whether they own at least 1 of the bank's credit card	integer	Factor with 2 levels	"0", "1"
IsActiveMember	Whether the bank considers the customer to be actively using their services	integer	Factor with 2 levels	"0", "1"
EstimatedSalary	The customer's self declared annual salary in USD	numeric	numeric	101349
Exited	Whether the customer has churned	integer	Factor with 2 levels	"0", "1"
AgeAtStartofTenure	The age of customer when they first opened the account	N.A	integer	40

hasManyProd	Whether the customer has more than 2 products	N.A	logical	TRUE
has4Prod	Whether the customer has 4 products	N.A	logical	TRUE
has3Prod	Whether the customer has 3 products	N.A	logical	TRUE
depositRate	The mean balance over the length of tenure. Obtained by dividing the customer's balance by their tenure	N.A	numeric	41904
savingsToSalaryRatio	The ratio between a customer's mean balance per tenure years and their estimated salary	N.A.	numeric	0.372
salaryToAgeSq	The ratio between a customer's estimated salary and the squared of their age	N.A	numeric	57.2
salaryQuartile	The quartile that a customer's salary falls in. Q1: EstimatedSalary < 51002 Q2: 51002 < EstimatedSalary < 100193 Q3: 100193 < EstimatedSalary < 149388 Q4: EstimatedSalary > 149388	N.A	Factor with 4 levels	"1Q", "2Q", "3Q", "4Q"