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        0   RowNumber    10000 non-null  int64  \n",
        1   CustomerId   10000 non-null  int64  \n",
        2   Surname      10000 non-null  object \n",
        3   CreditScore  10000 non-null  int64  \n",
        4   Geography    10000 non-null  object \n",
        5   Gender       10000 non-null  object \n",
        6   Age          10000 non-null  int64  \n",
        7   Tenure       10000 non-null  int64  \n",
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        9   NumOfProducts 10000 non-null  int64  \n",
        10  HasCrCard    10000 non-null  int64  \n",
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"std   2886.89568 7.193619e+04  96.653299  10.487806   2.892174  \\n",
"min    1.00000 1.556570e+07  350.000000  18.000000   0.000000  \\n",
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"max   10000.00000 1.581569e+07  850.000000  92.000000  10.000000  \\n",
"\\n",
"      Balance  NumOfProducts  HasCrCard  IsActiveMember  \\n",

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"\\n",
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        "Encoding : \n",
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        "###"
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                ]
            }
        ]
    ]
}

```

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"2      3  15619304 Onio        502  France Female  42  \n",
"3      4  15701354 Boni        699  France Female  39  \n",
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"2      3  15619304 Onio          502      1      0  42  \n",
"3      4  15701354 Boni          699      1      0  39  \n",
"\n",
" Tenure Balance NumOfProducts HasCrCard IsActiveMember \\n",
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    "Independent Variable :\n",
    "An Independent variable is a variable whose value never depends on another variable but the researcher.\n",
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```

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"1      2  15647311      608      2    0  41    1  \n",

```

```

"2      3  15619304      502      1    0  42    8  \n",

```

```

"3      4  15701354      699      1    0  39    1  \n",

```

```

"4      5  15737888      850      2    0  43    2  \n",

```

```

"\n",

```

```

" Balance NumOfProducts HasCrCard IsActiveMember EstimatedSalary \\n",

```

```

"0      0.00      1      1      1    101348.88 \n",

```

```

"1  83807.86      1      0      1    112542.58 \n",

```

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"2 159660.80      3      1      0    113931.57 \n",

```

```

"3      0.00      2      0      0    93826.63 \n",

```

```

"4 125510.82      1      1      1    79084.10 \n",

```

```

"\n",

```

```

" Exited \n",

```

```

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```

```

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            "      'Tenure', 'Balance', 'NumOfProducts', 'HasCrCard', 'IsActiveMember',\n",
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"    <td>0.806010</td>\n",
"    <td>0.807737</td>\n",
"    <td>0.646092</td>\n",
"    <td>0.970243</td>\n",
"    <td>0.560069</td>\n",
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"9275 1.481077 0.810821 -2.312802 1.505917 0.912419 0.179622 \n",
"2995 -0.694379 -1.507642 -1.195351 -0.902587 -1.095988 -1.114268 \n",
"5316 0.109639 1.243462 0.035916 0.301665 0.912419 -0.019438 \n",
"356 -1.608556 -1.100775 2.063884 0.301665 -1.095988 1.672571 \n",
"\n",
"  Tenure Balance NumOfProducts HasCrCard IsActiveMember \\n",
"7389 -0.004426 -1.225848 0.807737 0.646092 -1.030670 \n",
"9275 -1.387538 -0.012892 -0.911583 0.646092 0.970243 \n",
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"356 1.032908 0.806010 0.807737 0.646092 0.970243 \n",
"\n",
"  EstimatedSalary Exited \n",
"7389 1.108382 -0.505775 \n",
"9275 -0.747592 -0.505775 \n",
"2995 1.487464 -0.505775 \n",
"5316 1.278558 -0.505775 \n",
"356 0.560069 -0.505775 "

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"x_train.head()"
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