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"          + ' to learn more about interactive tables.';\n",
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"          if (!dataTable) return;\n",
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"            '<a target=\"_blank\"
href=https://colab.research.google.com/notebooks/data_table.ipynb>data table notebook</a>'\n",
"            + ' to learn more about interactive tables.';\n",
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```

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"for i in pro:\n",

"   if pro[i].dtype=='object' or pro[i].dtype=='category':\n",

"   pro[i]=encoder.fit_transform(pro[i])"

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     "2        502.0          0       0  42.0     8.0  159660.80            3.0  \n",
     "3        699.0          0       0  39.0     1.0       0.00            2.0  \n",
     "4        850.0          2       0  43.0     2.0  125510.82            1.0  \n",
```

```
 "\n",
 "   HasCrCard  IsActiveMember  EstimatedSalary  \n",
 "0        1              1       101348.88  \n",
 "1        0              1       112542.58  \n",
 "2        1              0       113931.57  \n",
 "3        0              0        93826.63  \n",
 "4        1              1        79084.10  "
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 "    <div class=\"colab-df-container\">\n",
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"    <th>Balance</th>\n",
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```

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"     <td>2.0</td>\n",
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"     <td>1</td>\n",
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"</div>\n",
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"             title=\"Convert this dataframe to an interactive table.\"\n",
"             style=\"display:none;\">\n",
"       \n",
```

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"      width=\"24px\">\n",
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"    <path d=\"M18.56 5.44l.94 2.06.94-2.06 2.06-.94-2.06-.94-.94-2.06-.94 2.06-2.06.94zm-11
1L8.5 8.5l.94-2.06 2.06-.94-2.06-.94L8.5 2.5l-.94 2.06-2.06.94zm10 10l.94 2.06.94-2.06 2.06-.94-2.06-
.94-.94-2.06-.94 2.06-2.06.94z\"/><path d=\"M17.41 7.96l-1.37-1.37c-.4-.4-.92-.59-1.43-.59-.52 0-
1.04.2-1.43.59L10.3 9.45l-7.72 7.72c-.78.78-.78 2.05 0 2.83L4 21.41c.39.39.9.59 1.41.59.51 0 1.02-.2
1.41-.59l7.78-7.78 2.81-2.81c.8-.78.8-2.07 0-2.86zM5.41 20L4 18.59l7.72-7.72 1.47 1.35L5.41
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"      cursor: pointer;\n",
"      display: none;\n",
"      fill: #1967D2;\n",
"      height: 32px;\n",
"      padding: 0 0 0 0;\n",
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"    }\n",
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```
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"      fill: #174EA6;\n",
"    }\n",
"\n",
"    [theme=dark] .colab-df-convert {\n",
"      background-color: #3B4455;\n",
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"    }\n",
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"    [theme=dark] .colab-df-convert:hover {\n",
"      background-color: #434B5C;\n",
"      box-shadow: 0px 1px 3px 1px rgba(0, 0, 0, 0.15);\n",
"      filter: drop-shadow(0px 1px 2px rgba(0, 0, 0, 0.3));\n",
"      fill: #FFFFFF;\n",
"    }\n",
"  </style>\n",
"\n",
"      <script>\n",
"        const buttonEl =\n",
"          document.querySelector('#df-71330b13-2873-41c2-9dc0-b1458361a20d button.colab-df-convert');\n",
"        buttonEl.style.display =\n",
"          google.colab.kernel.accessAllowed ? 'block' : 'none';\n",
"\n",
"        async function convertToInteractive(key) {\n",
```

```
          "        const element = document.querySelector('#df-71330b13-2873-41c2-9dc0-b1458361a20d');\n",
          "        const dataTable =\n",
          "          await google.colab.kernel.invokeFunction('convertToInteractive',\n",
          "                                                   [key], {});\n",
          "        if (!dataTable) return;\n",
          "\n",
          "        const docLinkHtml = 'Like what you see? Visit the ' +\n",
          "          '<a target=\"_blank\" href=https://colab.research.google.com/notebooks/data_table.ipynb>data table notebook</a>'\n",
          "          + ' to learn more about interactive tables.';\n",
          "        element.innerHTML = '';\n",
          "        dataTable['output_type'] = 'display_data';\n",
          "        await google.colab.output.renderOutput(dataTable, element);\n",
          "        const docLink = document.createElement('div');\n",
          "        docLink.innerHTML = docLinkHtml;\n",
          "        element.appendChild(docLink);\n",
          "      }\n",
          "    </script>\n",
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  "y.head()"
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     "1   0\n",
     "2   1\n",
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     "4   0\n",
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    "scaler=StandardScaler()\n",
    "x=scaler.fit_transform(x)"
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  {
   "cell_type": "code",
   "source": [
    "x"
   ],
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     "       [-0.44080365,  1.51506738, -1.09598752, ..., -1.54776799,\n",
     "         0.97024255,  0.21653375],\n",
     "       [-1.53863634, -0.90188624, -1.09598752, ...,  0.64609167,\n",
     "        -1.03067011,  0.2406869 ],\n",
     "       ...,\n",
     "       [ 0.60524449, -0.90188624, -1.09598752, ..., -1.54776799,\n",
     "         0.97024255, -1.00864308],\n",
     "       [ 1.25772996,  0.30659057,  0.91241915, ...,  0.64609167,\n",
     "        -1.03067011, -0.12523071],\n",
     "       [ 1.4648682 , -0.90188624, -1.09598752, ...,  0.64609167,\n",
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    "x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.33)\n",
    "x_train.shape"
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    "metadata": {},
    "execution_count": 43
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}
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