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                2.000000\n",
           11
                1.00000
                1.000000
           11
                149388.247500\n",
           11
                0.000000
           11
               \n",
           11
               \n",
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                <th>max\n",
           11
                10000.00000
           11
                1.581569e+07\n",
           11
                850.000000\n",
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                92.000000\n"
           11
                10.000000
           11
                250898.090000\n",
           п
                4.000000\n",
                1.00000
           11
                1.000000
           11
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           11
                1.000000\n",
           11
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           "\n",
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                             CustomerId
                                       CreditScore
                                                         Age
     \\\n",
Tenure
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10000.000000
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5.012800
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                           7.193619e+04
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                                                    10.487806
2.892174
        n"
           "min
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                                        350.000000
                                                    18.000000
                           1.556570e+07
0.000000
           "25%
                  2500.75000
                           1.562853e+07
                                        584.000000
                                                    32.000000
```

11

```
3.000000
              "50%
                        5000.50000
                                    1.569074e+07
                                                      652.000000
                                                                      37,000000
5.000000
           n"
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                        7500.25000
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7.000000
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                                                      850.000000
                                                                      92.000000
10.000000
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               "\n",
                             Balance
                                       NumOfProducts
                                                         HasCrCard
               \\\n",
IsActiveMember
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                                        10000.000000
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n",
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                                                            0.70550
                                                                            0.515100
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                                                                                       \
                        62397.405202
                                             0.581654
                                                            0.45584
                                                                            0.499797
n",
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n",
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                                             1.000000
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                                                                            0.000000
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n",
               "50%
                        97198.540000
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                                                            1.00000
                                                                            1.000000
n",
               "75%
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                                             2.000000
                                                            1.00000
                                                                            1.000000
n",
               "max
                       250898.090000
                                             4.000000
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                                                                            1.000000
                                                                                        \
n",
               "\n",
               11
                                                         \n",
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                                                Exited
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                          10000.000000
                                         10000.000000
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                                                        n"
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      п
          }\n",
      "\n".
      11
           .dataframe thody tr th \{\n'',
      11
              vertical-align: top;\n",
      11
          }\n",
      "\n",
      п
           .dataframe thead th \{\n''\}
      11
              text-align: right;\n",
           }\n",
      "</style>\n",
      "\n",
         <thead>\n",
      п
           \n",
      п
            \n",
      11
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      11
            <th>b\n"
      11
            <th>c\n",
      11
          \n"
      11
         </thead>\n",
      11
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      11
           \n",
      11
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      11
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      п
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      п
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      п
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         \n",
      "\n",
      "</div>"
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             b c\n",
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```

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"1 2.0 NaN 2\n",
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2\n",
               "b
               "c
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               "dtype: int64"
```

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                vertical-align: middle;\n",
        11
             }\n",
        "\n",
        11
             .dataframe thody tr th \{\n'',
        11
                vertical-align: top;\n",
        11
             }\n",
        "\n",
        11
             .dataframe thead th \{\n'',
        11
                text-align: right;\n",
        11
             }\n",
        "</style>\n",
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        11
           <thead>\n",
        11
             \n",
        11
               \n",
        11
               <th>a\n"
        11
              b\n",
              <th>c\n",
        п
             \n"
        11
           </thead>\n",
        11
           \n",
        11
             \n",
        п
               0\n",
        11
              1.0\n"
        11
              1.0\n",
        п
              1\n",
        11
             \n",
             \n",
        11
              1\n",
        11
              2.0\n",
        11
              S\n",
        11
              2\n",
        п
             \n",
             \n",
```

```
11
                 2\n",
          11
                 S\n"
                 S\n"
          11
                 4\n",
          11
               \n",
            \n",
          "\n",
          "</div>"
        а
                  b c∖n",
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          "1 2.0
                    S 2\n",
          "2
               S
                    S 4"
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```

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      "source": [
        "###\n",
        "For data that follows a normal distribution, the values that fall more
than three standard deviations from the mean are typically considered outliers.
Outliers can find their way into a dataset naturally through variability, or they
can be the result of issues like human error, faulty equipment, or poor sampling.\
n",
        "###"
      ]
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```

```
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          }\n",
      "\n"
      11
          .dataframe tbody tr th \{\n'',
      11
             vertical-align: top;\n",
      п
          }\n",
      "\n"
      11
          .dataframe thead th \{\n''\}
      11
             text-align: right;\n",
      11
          }\n"
      "</style>\n",
      "\n",
        <thead>n'',
      11
          \n",
           \n",
      11
           RowNumber\n"
      11
           CustomerId\n"
           CreditScore\n",
      11
           Age\n",
      п
           <th>Tenure\n"
      11
           Balance\n"
           NumOfProducts\n",
      11
           HasCrCard\n"
      11
           IsActiveMember\n"
      11
           EstimatedSalary\n",
      11
           Exited\n",
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      11
        </thead>\n",
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        \n",
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          \n",
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           32.0\n",
      11
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      11
           0.00\n",
           1.0\n",
      11
           0.0\n"
      11
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      11
           51002.1100\n",
      11
           0.0\n",
      п
          \n",
      11
          \n",
           0.75\n",
      11
           7500.25\n"
      11
           15753233.75\n",
           718.0\n",
      11
           44.0\n",
      11
           7.0\n",
           127644.24\n",
```

```
11
                     2.0\n",
              11
                     1.0\n"
                     1.0\n",
              11
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              11
                     0.0\n",
              11
                   \n",
              11
                \n",
              "\n",
              "</div>"
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                     RowNumber
                                                           Age
                                                                Tenure
Balance
        \\\n"
             "0.25
                       2500.75
                               15628528.25
                                                                             0.00
                                                   584.0
                                                          32.0
                                                                   3.0
\n",
              "0.75
                       7500.25
                               15753233.75
                                                   718.0
                                                          44.0
                                                                   7.0 127644.24
n'',
              "\n",
                     NumOfProducts HasCrCard IsActiveMember
                                                               EstimatedSalary
Exited \n",
              "0.25
                                          0.0
                                                          0.0
                                                                    51002.1100
                               1.0
    \n",
0.0
              "0.75
                               2.0
                                          1.0
                                                          1.0
                                                                   149388.2475
0.0
            ]
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"outputs": [
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```
"RowNumber
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          "CustomerId
                                124705.5000\n"
          "CreditScore
                                   134.0000\n"
          "Age
                                    12.0000\n"
          "Tenure
                                     4.0000\n",
                                127644.2400\n",
          "Balance
                                     1.0000\n"
          "NumOfProducts
                                     1.0000\n"
          "HasCrCard
                                     1.0000\n"
          "IsActiveMember
          "EstimatedSalary
                                 98386.1375\n"
          "Exited
                                     0.0000\n",
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        ]
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          "CustomerId
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                                3.830000e+02\n"
          "CreditScore
          "Age
                               1.400000e+01\n"
          "Tenure
                               -3.000000e+00\n",
          "Balance
                               -1.914664e+05\n",
          "NumOfProducts
                               -5.000000e-01\n"
          "HasCrCard
                               -1.500000e+00\n"
          "IsActiveMember
                               -1.500000e+00\n"
          "EstimatedSalary
                              -9.657710e+04\n",
          "Exited
                               0.000000e+00\n",
          "dtype: float64"
```

```
]
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},
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           "CustomerId
           "CreditScore
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           "Age
                                 6.200000e+01\n"
           "Tenure
                                 1.300000e+01\n"
           "Balance
                                 3.191106e+05\n"
           "NumOfProducts
                                 3.500000e+00\n"
           "HasCrCard
                                 2.500000e+00\n"
           "IsActiveMember
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           "EstimatedSalary
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           "Exited
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{
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