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"min    1.000000  18.000000    15.000000    1.000000\n",
"25%   50.750000  28.750000    41.500000    34.750000\n",
"50%   100.500000  36.000000    61.500000    50.000000\n",
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"max   200.000000  70.000000   137.000000    99.000000"

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"Age              200.0 38.85 13.969007 18.0 28.75 36.0 49.00  \n",
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"Spending Score (1-100) 200.0 50.20 25.823522 1.0 34.75 50.0 73.00  \n",
"\n",
"      max  \n",
"CustomerID      200.0  \n",
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```
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    "\n",
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    "\n",
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```

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"      <th>Age</th>\n",
"      <th>Annual Income (k$)</th>\n",

```

```

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      "execution_count": 38,
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"      <th>Spending Score (1-100)</th>\n",
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```



```

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"4    0  31         17        40"
]
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"x.head()"
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"  .dataframe thead th {\n",
"    text-align: right;\n",
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```

```

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"196      0   45              126          28\n",
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"199      1   30               60          83"
]

```

```

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  "metadata": {},
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  "metadata": {},
  "source": [
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  "metadata": {},
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    "from sklearn.ensemble import RandomForestClassifier"
  ]
}

```

```
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{
  "cell_type": "code",
  "execution_count": 42,
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  "metadata": {},
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  ]
},
{
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  "id": "b939506d",
  "metadata": {},
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    "# 14. Train the Model"
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      "metadata": {},
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  "metadata": {},
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```

```

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"pred=rf.predict(x_test)"
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"# 16. Measure the performance using Evaluation Metrics"
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"source": [
"# Accuracy of DI model\n",
"from sklearn.metrics import accuracy_score\n",
"accuracy_score(y_test,pred)"
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```

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    "from sklearn import metrics\n",  
    "metrics.confusion_matrix(y_test,pred)"  
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