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```

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[illegible]

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.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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"   filter: drop-shadow(0px 1px 2px rgba(0, 0, 0, 0.3));\n",
"   fill: #FFFFFF;\n",
" } \n",
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"\n",
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"\n",
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"     const element = document.querySelector('#df-8eac2449-a509-4fbc-a97e-
6108d3514473');\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",
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        "4    <function median at 0x7f05fb954b00>\n",
        "      ...      \n",
        "564  <function median at 0x7f05fb954b00>\n",
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```

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```

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"2 <function median at 0x7f05fb954b00>      130.00   1203.0  \n",
"3 <function median at 0x7f05fb954b00>       77.58    386.1  \n",
"4 <function median at 0x7f05fb954b00>      135.10   1297.0  \n",
"\n",
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"2      0.10960      0.15990      0.1974      0.12790  \n",
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"2 ...      25.53      152.50   1709.0      0.1444  \n",
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"\n",
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" <th>texture_mean</th>\n",

```

```

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" <th>area_worst</th>\n",
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" <th>concavity_worst</th>\n",
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"   <td>1297.0</td>\n",

```

[illegible]

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" google.colab.kernel.accessAllowed ? 'block' : 'none';\n",
"\n",
" async function convertToInteractive(key) {\n",
" const element = document.querySelector('#df-0f8775f7-ffdc-4e50-b1ea-
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" const dataTable =\n",
" await google.colab.kernel.invokeFunction('convertToInteractive',\n",
" [key], {});\n",
" if (!dataTable) return;\n",
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href=https://colab.research.google.com/notebooks/data_table.ipynb>data table notebook</a>'\n",
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      " ...\n",
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      " [927241 'M' <function median at 0x7f05fb954b00> ... 0.265 0.4087 0.124]\n",
      " [92751 'B' 7.76 ... 0.0 0.2871 0.07039]]\n"
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    "df[["id"]] = scaler.fit_transform(df[["id"]])\n",
    "print(df)"
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"y = df['diagnosis']\n",
"x_train, x_rem, y_train, y_rem = train_test_split(x,y,train_size=0.8)\n",
"test_size = 0.5\n",
"x_valid, x_test, y_valid, y_test = train_test_split(x_rem,y_rem,test_size=0.5)\n",
"print(x_train.shape),print(y_train.shape)\n",
"print(x_valid.shape),print(y_valid.shape)\n",
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