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"            if (!dataTable) return;\n",
"\n",
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"            + ' to learn more about interactive tables.';\n",
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```

```

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 20z\"/>\n",
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google.colab.kernel.invokeFunction('convertToInteractive',\n",

```

```

"                                                                    [key], {}));\n",
"        if (!dataTable) return;\n",
"\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",
"        element.innerHTML = '';\n",
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"        await google.colab.output.renderOutput(dataTable,
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"2      0.1415      0.2100  10.5      1      0      0\n",
"3      0.1140      0.1550  11.5      0      0      1\n",
"4      0.0395      0.0550   8.5      0      1      0\n",
"...      ...      ...      ...      ...      ...      ...
"4172      0.2390      0.2490  12.5      1      0      0\n",
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  "      <div>\n",
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  "    vertical-align: middle;\n",
  "  }\n",
  "\n",
  "  .dataframe tbody tr th {\n",
  "    vertical-align: top;\n",
  "  }\n",
  "\n",
  "  .dataframe thead th {\n",
  "    text-align: right;\n",
  "  }\n",
  "</style>\n",
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  "      <th>Shell weight</th>\n",
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"        width=\"24px\">\n",
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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 20z\"/>\n",
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"      filter: drop-shadow(0px 1px 2px rgba(0, 0, 0, 0.3));\n",
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"        google.colab.kernel.accessAllowed ? 'block' : 'none';\n",
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"        const element = document.querySelector('#df-ddf1b8e6-4619-
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"\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",
"        element.innerHTML = '';\n",
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"        await google.colab.output.renderOutput(dataTable,
element);\n",
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"342	0.620	0.465	0.185	1.2740	0.579
"24	0.615	0.480	0.165	1.1615	0.513
"605	0.425	0.345	0.125	0.4250	0.160
"1292	0.515	0.400	0.135	0.6965	0.320

```

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  "  }\n",
  "\n",
  "  .dataframe tbody tr th {\n",
  "    vertical-align: top;\n",
  "  }\n",
  "\n",
  "  .dataframe thead th {\n",
  "    text-align: right;\n",
  "  }\n",
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```

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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 20z\"/>\n",
"     </svg>\n",
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```

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"        box-shadow: 0px 1px 3px 1px rgba(0, 0, 0, 0.15);\n",
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"        buttonEl.style.display =\n",
"        google.colab.kernel.accessAllowed ? 'block' : 'none';\n",
"\n",
"        async function convertToInteractive(key) {\n",
"        const element = document.querySelector('#df-d4a78e8f-3f9e-
4ea4-8770-319af6241eb4');\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",
"    </div>\n",
"    </div>\n",
"    "
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"metadata": {},
"execution_count": 30
}

```

```

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    "id": "wFLWRqYy05Gp",
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          "1935          0.2315          0.335  13.5      0      0      1\n",
          "342           0.3065          0.320  13.5      0      0      1\n",
          "24            0.3010          0.305  11.5      1      0      0\n",
          "605           0.0795          0.154  14.5      0      1      0\n",
          "1292          0.1255          0.175  10.5      0      1      0"
        ],
        "text/html": [
          "\n",
          "  <div id=\"df-b0ba09ba-aaa6-42aa-8b14-20db91fe54e8\">\n",
          "    <div class=\"colab-df-container\">\n",
          "      <div>\n",
          "        <style scoped>\n",
          "          .dataframe tbody tr th:only-of-type {\n",
          "            vertical-align: middle;\n",
          "          }\n",
          "          .dataframe tbody tr th {\n",
          "            vertical-align: top;\n",
          "          }\n",
          "          .dataframe thead th {\n",
          "            text-align: right;\n",
          "          }\n",
          "        </style>\n",
          "        <table border=\"1\" class=\"dataframe\">\n",
          "          <thead>\n",
          "            <tr style=\"text-align: right;\">\n",
          "              <th></th>\n",
          "              <th>Viscera weight</th>\n",
          "              <th>Shell weight</th>\n",
          "              <th>age</th>\n",
          "              <th>Sex_F</th>\n",
          "              <th>Sex_I</th>\n",
          "              <th>Sex_M</th>\n",
          "            </tr>\n",
          "          </thead>\n",
          "          <tbody>\n"
        ]
      }
    }
  ]
}

```

```

"      <tr>\n",
"        <th>1935</th>\n",
"        <td>0.2315</td>\n",
"        <td>0.335</td>\n",
"        <td>13.5</td>\n",
"        <td>0</td>\n",
"        <td>0</td>\n",
"        <td>1</td>\n",
"      </tr>\n",
"      <tr>\n",
"        <th>342</th>\n",
"        <td>0.3065</td>\n",
"        <td>0.320</td>\n",
"        <td>13.5</td>\n",
"        <td>0</td>\n",
"        <td>0</td>\n",
"        <td>1</td>\n",
"      </tr>\n",
"      <tr>\n",
"        <th>24</th>\n",
"        <td>0.3010</td>\n",
"        <td>0.305</td>\n",
"        <td>11.5</td>\n",
"        <td>1</td>\n",
"        <td>0</td>\n",
"        <td>0</td>\n",
"      </tr>\n",
"      <tr>\n",
"        <th>605</th>\n",
"        <td>0.0795</td>\n",
"        <td>0.154</td>\n",
"        <td>14.5</td>\n",
"        <td>0</td>\n",
"        <td>1</td>\n",
"        <td>0</td>\n",
"      </tr>\n",
"      <tr>\n",
"        <th>1292</th>\n",
"        <td>0.1255</td>\n",
"        <td>0.175</td>\n",
"        <td>10.5</td>\n",
"        <td>0</td>\n",
"        <td>1</td>\n",
"        <td>0</td>\n",
"      </tr>\n",
"    </tbody>\n",
"  </table>\n",
"</div>\n",
"    <button class=\"colab-df-convert\"
onclick=\"convertToInteractive('df-b0ba09ba-aaa6-42aa-8b14-20db91fe54e8')\">\n",
"      title=\"Convert this dataframe to an interactive
table.\">\n",
"        style=\"display:none;\">\n",
"      \n",
"    <svg xmlns=\"http://www.w3.org/2000/svg\"
height=\"24px\" viewBox=\"0 0 24 24\">\n",
"      width=\"24px\">\n",
"        <path d=\"M0 0h24v24H0V0z\" fill=\"none\"/>\n",
"        <path d=\"M18.56 5.44l.94 2.06.94-2.06-.94-2.06-.94-.94-

```

```

2.06-.94 2.06-2.06.94zm-11 1L8.5 8.51.94-2.06 2.06-.94-2.06-.94L8.5 2.51-.94 2.06-
2.06.94zm10 101.94 2.06.94-2.06 2.06-.94-2.06-.94-.94-2.06-.94
2.06-2.06.94z"/><path d="\M17.41 7.961-1.37-1.37c-.4-.4-.92-.59-1.43-.59-.52 0-
1.04.2-1.43.59L10.3 9.451-7.72 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-.5917.78-7.78 2.81-2.81c.8-.78.8-2.07 0-2.86zM5.41 20L4
18.5917.72-7.72 1.47 1.35L5.41 20z"/>\n",
" </svg>\n",
" </button>\n",
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" flex-wrap: wrap;\n",
" gap: 12px;\n",
" }\n",
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" background-color: #E8F0FE;\n",
" border: none;\n",
" border-radius: 50%;\n",
" cursor: pointer;\n",
" display: none;\n",
" fill: #1967D2;\n",
" height: 32px;\n",
" padding: 0 0 0 0;\n",
" width: 32px;\n",
" }\n",
"\n",
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" background-color: #E2EBFA;\n",
" box-shadow: 0px 1px 2px rgba(60, 64, 67, 0.3), 0px 1px 3px 1px
rgba(60, 64, 67, 0.15);\n",
" fill: #174EA6;\n",
" }\n",
"\n",
" [theme=dark] .colab-df-convert {\n",
" background-color: #3B4455;\n",
" fill: #D2E3FC;\n",
" }\n",
"\n",
" [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-b0ba09ba-eea6-42aa-8b14-
20db91fe54e8 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-b0ba09ba-eea6-
42aa-8b14-20db91fe54e8');\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",
        "
        </div>\n",
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        "
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0.16887172,\n",
            "          0.4010574 ],\n",
            "          [ 0.28122061,  0.34471692, 12.2233613 ,  0.44264685,
0.0752172 ,\n",
            "          0.48213595],\n",
            "          [ 0.25486788,  0.32489707, 12.38503561,  0.43453436,
0.11700216,\n",
            "          0.44846349],\n",
            "          [ 0.09166571,  0.14756383, 10.91567777,  0.25665144,
0.47852571,\n",
            "          0.26482285],\n",
            "          [ 0.15098436,  0.19950638, 10.73934227,  0.2820824 ,
0.39123092,\n",
            "          0.32668669],\n",
            "          [ 0.14853366,  0.21547325, 12.27014313,  0.34812056,
0.34028823,\n",
            "          0.3115912 ],\n",
            "          [ 0.25785055,  0.34209658, 12.47128571,  0.47984956,
0.02140788,\n",
            "          0.49874256],\n",
            "          [ 0.2437972 ,  0.34819875, 14.54728868,  0.55628581, -
0.02169978,\n",
            "          0.46541396],\n",
            "          [ 0.28351697,  0.36951389, 13.30384807,  0.52634768, -
0.04607731,\n",
            "          0.51972963]])"
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      "id": "z-i_Z08fPIk2",
      "outputId": "438ba097-00b0-4281-c98a-e0b76884eeaa"
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]

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