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        "import pandas as pd\n",
        "import matplotlib.pyplot as plt \n",
        "import seaborn as sns"
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              "\n",
              "    .dataframe thead th {\n",

```

```

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"      <th>Diameter</th>\n",
"      <th>Height</th>\n",
"      <th>Whole weight</th>\n",
"      <th>Shucked weight</th>\n",
"      <th>Viscera weight</th>\n",
"      <th>Shell weight</th>\n",
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"      <td>0.210</td>\n",
"      <td>9</td>\n",
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"    <tr>\n",
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"      <td>0.440</td>\n",
"      <td>0.365</td>\n",
"      <td>0.125</td>

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"      <td>0.2155</td>\n",
"      <td>0.1140</td>\n",
"      <td>0.155</td>\n",
"      <td>10</td>\n",
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"    <td>0.080</td>\n",
"    <td>0.2050</td>\n",
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  "1    M    0.350      0.265    0.090          0.2255          0.0995\n0.0485  \n",
  "2    F    0.530      0.420    0.135          0.6770          0.2565\n0.1415  \n",
  "3    M    0.440      0.365    0.125          0.5160          0.2155\n0.1140  \n",
  "4    I    0.330      0.255    0.080          0.2050          0.0895\n0.0395  \n",
  "\n",
  "  Shell weight  Rings  \n",
  "0          0.150     15  \n",
  "1          0.070      7  \n",
  "2          0.210      9  \n",
  "3          0.155     10  \n",
  "4          0.055      7  "
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  "RangeIndex: 4177 entries, 0 to 4176\n",
  "Data columns (total 11 columns):\n",
  " #   Column                Non-Null Count  Dtype   \n",
  " ---  ---                    -
  " 0   Length                 4177 non-null  float64\n",
  " 1   Diameter               4177 non-null  float64\n",
  " 2   Height                 4177 non-null  float64\n",
  " 3   Whole weight           4177 non-null  float64\n",
  " 4   Shucked weight         4177 non-null  float64\n",
  " 5   Viscera weight         4177 non-null  float64\n",
  " 6   Shell weight           4177 non-null  float64\n",
  " 7   Sex_F                  4177 non-null  uint8   \n",
  " 8   Sex_I                  4177 non-null  uint8   \n",
  " 9   Sex_M                  4177 non-null  uint8   \n",
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  "dtypes: float64(8), uint8(3)\n",
  "memory usage: 273.4 KB\n"
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"C:\Users\Admin\AppData\Local\Temp\ipykernel_5304\2569076477.py:3:
FutureWarning: Dropping of nuisance columns in DataFrame reductions (with
'numeric_only=None') is deprecated; in a future version this will raise
TypeError. Select only valid columns before calling the reduction.\n",

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    " df.mean()\n"
  ]
},
{
  "data": {
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      "Diameter         0.407881\n",
      "Height           0.139516\n",
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      "Shucked weight   0.359367\n",
      "Viscera weight   0.180594\n",
      "Shell weight     0.238831\n",
      "Rings            9.933684\n",
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  "metadata": {},
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```

```

"C:\\Users\\Admin\\AppData\\Local\\Temp\\ipykernel_5304\\530051474.py:1:
FutureWarning: Dropping of nuisance columns in DataFrame reductions (with
'numeric_only=None') is deprecated; in a future version this will raise
TypeError. Select only valid columns before calling the reduction.\n",

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```

    " df.median()\n"
  ]
},
{
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      "Diameter         0.4250\n",
      "Height           0.1400\n",
      "Whole weight     0.7995\n",
      "Shucked weight   0.3360\n",
      "Viscera weight   0.1710\n",
      "Shell weight     0.2340\n",
      "Rings            9.0000\n",
      "dtype: float64"
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  },
  "execution_count": 7,

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```

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  },
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    "source": [
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    "cell_type": "code",
    "execution_count": 8,
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    "metadata": {},
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          "C:\\Users\\Admin\\AppData\\Local\\Temp\\ipykernel_5304\\3390915376.py:1:
          FutureWarning: Dropping of nuisance columns in DataFrame reductions (with
          'numeric_only=None') is deprecated; in a future version this will raise
          TypeError.  Select only valid columns before calling the reduction.\n",
          "  df.std()\n"
        ]
      },
      {
        "data": {
          "text/plain": [
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            "Diameter         0.099240\n",
            "Height           0.041827\n",
            "Whole weight     0.490389\n",
            "Shucked weight   0.221963\n",
            "Viscera weight   0.109614\n",
            "Shell weight     0.139203\n",
            "Rings            3.224169\n",
            "dtype: float64"
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        },
        "execution_count": 8,
        "metadata": {},
        "output_type": "execute_result"
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        "data": {
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            "Sex Length Diameter Height Whole weight Shucked weight
            Viscera weight Shell weight Rings\n",

```

```

    "F"    0.275    0.195    0.070    0.0800    0.0310    0.0215
0.0250      5      1\n",
    "M"    0.400    0.320    0.095    0.3030    0.1335    0.0600
0.1000      7      1\n",
    "      0.405    0.305    0.120    0.3185    0.1235    0.0905
0.0950      7      1\n",
    "      0.310    0.100    0.3850    0.1730    0.0915
0.1100      7      1\n",
    "      0.410    0.300    0.100    0.3010    0.1240    0.0690
0.0900      9      1\n",
    "
..\n",
    "I"    0.250    0.185    0.065    0.0710    0.0270    0.0185
0.0225      5      1\n",
    "      0.190    0.060    0.0765    0.0360    0.0115
0.0245      6      1\n",
    "      0.065    0.0835    0.0390    0.0150
0.0250      5      1\n",
    "      0.255    0.180    0.055    0.0830    0.0310    0.0215
0.0200      4      1\n",
    "M"    0.780    0.600    0.210    2.5480    1.1945    0.5745
0.6745     11      1\n",
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0.000000   \n",
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"...      ...      ...      ...      ...           ...           ...
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```

```

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  "\n",
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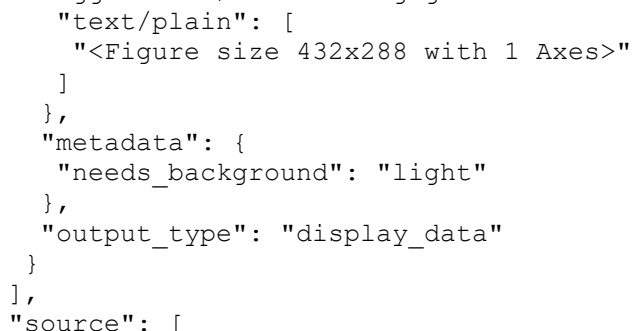
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\n",
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