In [16]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns

df = pd.read_csv(r"C:\Users\ADMIN\Downloads\medals_total.csv")
```

In [5]:
```
df
```

Out[5]:

	country_code	country	country_long	Gold Medal	Silver Medal	Bronze Medal	Total
0	USA	United States	United States of America	40	44.0	42	126
1	CHN	China	People's Republic of China	40	27.0	24	91
2	JPN	Japan	Japan	20	12.0	13	45
3	AUS	Australia	Australia	18	19.0	16	53
4	FRA	France	France	16	26.0	22	64
...	...	...	...	...	...	...	...
87	PER	Peru	Peru	0	0.0	1	1
88	QAT	Qatar	Qatar	0	0.0	1	1
89	SGP	Singapore	Singapore	0	0.0	1	1
90	SVK	Slovakia	Slovakia	0	0.0	1	1
91	ZAM	Zambia	Zambia	0	0.0	1	1

92 rows × 7 columns

In [17]:
```
df.isna().sum()
```

Out[17]:
```
country_code    0
country         0
country_long    0
Gold Medal      0
Silver Medal    1
Bronze Medal    0
Total           0
dtype: int64
```

In [8]:
```
df['Silver Medal'].mean()
```

Out[8]:
```
np.float64(3.6263736263736264)
```

In [18]:
```
df.fillna(df['Silver Medal'].mean() , inplace=True)
```

In [19]:
```
df.isna().sum()
```

Out[19]:
```
country_code    0
country         0
country_long    0
Gold Medal      0
Silver Medal    0
Bronze Medal    0
Total           0
dtype: int64
```

In [24]:
```
df
```

Out[24]:

	country_code	country	country_long	Gold Medal	Silver Medal	Bronze Medal	Total
0	USA	United States	United States of America	40	44.0	42	126
1	CHN	China	People's Republic of China	40	27.0	24	91
2	JPN	Japan	Japan	20	12.0	13	45
3	AUS	Australia	Australia	18	19.0	16	53
4	FRA	France	France	16	26.0	22	64
...	...	...	...	...	...	...	...
87	PER	Peru	Peru	0	0.0	1	1
88	QAT	Qatar	Qatar	0	0.0	1	1
89	SGP	Singapore	Singapore	0	0.0	1	1
90	SVK	Slovakia	Slovakia	0	0.0	1	1
91	ZAM	Zambia	Zambia	0	0.0	1	1

92 rows × 7 columns

In [30]:
```
df.iloc[60,4]
```

Out[30]:
```
np.float64(3.6263736263736264)
```

In [31]:
```
df['Bronze Medal'].mean()
```

Out[31]:
```
np.float64(4.173913043478261)
```

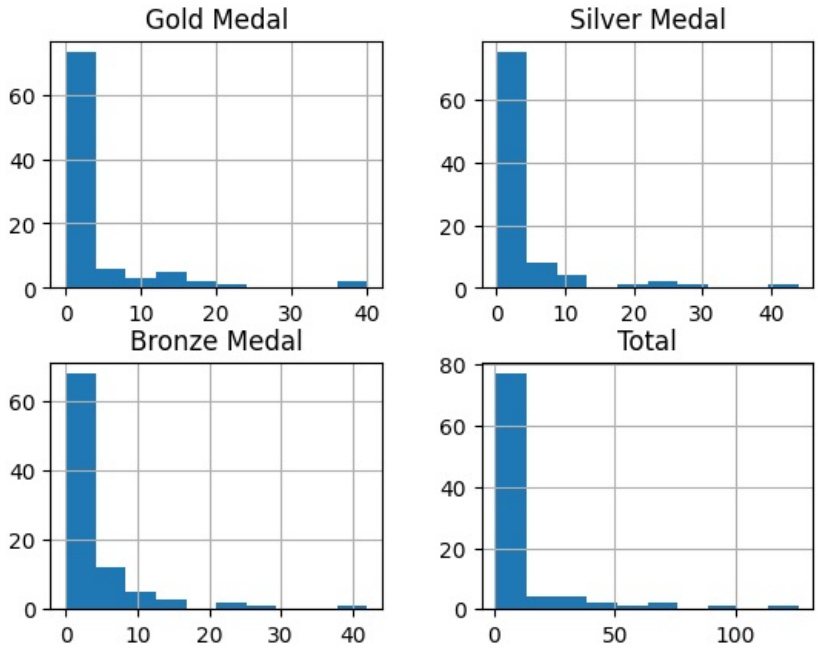
In [32]:
```
df['Bronze Medal'].mode()
```

Out[32]:
```
0    1
Name: Bronze Medal, dtype: int64
```

In [34]:
```
df['Bronze Medal'].median()
```

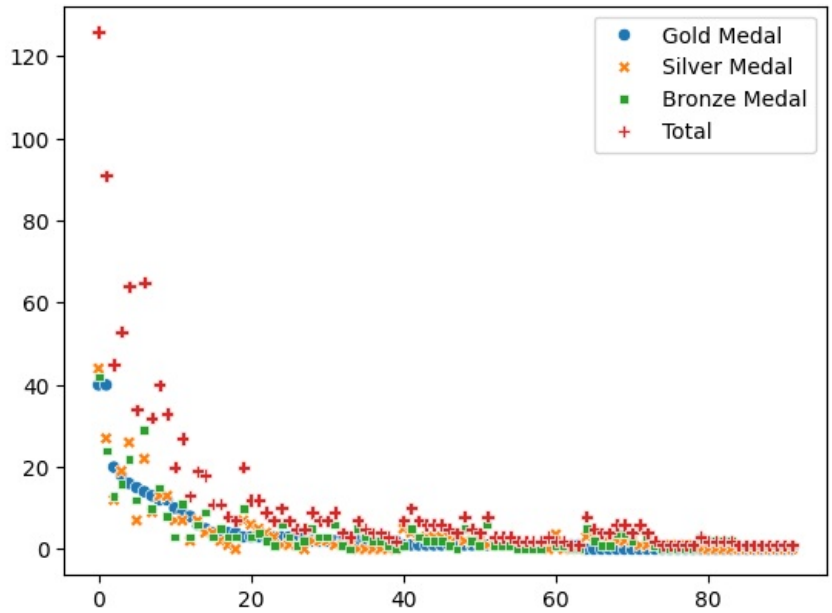
Out[34]:
```
np.float64(2.0)
```

In [36]:
```
df.hist()
plt.show()
```



In [38]:
```
sns.scatterplot(data=df)
```

Out[38]:
```
<Axes: >
```



In [2]:
```
import pdfkit
pdfkit.from_file("Dataset manipulation.ipynb", "output.pdf")
```

```
---------------------------------------------------------------------------
FileNotFoundError                         Traceback (most recent call last)
File c:\Users\ADMIN\AppData\Local\Programs\Python\Python313\Lib\site-packages\pdfkit\configuration.py:35, in Configuration.__init__(self, wkhtmltopdf, meta_tag_prefix, environ)
     33     self.wkhtmltopdf = lines[0].strip()
---> 35 with open(self.wkhtmltopdf) as f:
     36     pass

FileNotFoundError: [Errno 2] No such file or directory: b''

During handling of the above exception, another exception occurred:

OSError                                   Traceback (most recent call last)
Cell In[2], line 2
      1 import pdfkit
----> 2 pdfkit.from_file(                              ,              )

File c:\Users\ADMIN\AppData\Local\Programs\Python\Python313\Lib\site-packages\pdfkit\api.py:48, in from_file(input, output_path, options, toc, cover, css, configuration, cover_first, verbose)
     30 def from_file(input, output_path=None, options=None, toc=None, cover=None, css=None,
     31                configuration=None, cover_first=False, verbose=False):
     32     """
     33     Convert HTML file or files to PDF document
     34
   (...)     45     Returns: True on success
     46     """
---> 48     r = PDFKit(input,       , options=options, toc=toc, cover=cover, css=css,
     49                configuration=configuration, cover_first=cover_first, verbose=verbose)
     51     return r.to_pdf(output_path)

File c:\Users\ADMIN\AppData\Local\Programs\Python\Python313\Lib\site-packages\pdfkit\pdfkit.py:45, in PDFKit.__init__(self, url_or_file, type_, options, toc, cover, css, configuration, cover_first, verbose)
     41 def __init__(self, url_or_file, type_, options=None, toc=None, cover=None,
     42                css=None, configuration=None, cover_first=False, verbose=False):
     44     self.source = Source(url_or_file, type_)
---> 45     self.configuration = (Configuration() if configuration is None
     46                           else configuration)
     47     try:
     48         self.wkhtmltopdf = self.configuration.wkhtmltopdf.decode('utf-8')

File c:\Users\ADMIN\AppData\Local\Programs\Python\Python313\Lib\site-packages\pdfkit\configuration.py:38, in Configuration.__init__(self, wkhtmltopdf, meta_tag_prefix, environ)
     36         pass
     37 except (IOError, FileNotFoundError) as e:
---> 38     raise IOError('No wkhtmltopdf executable found: "%s"\n'
     39                   'If this file exists please check that this process can '
     40                   'read it or you can pass path to it manually in method call, '
     41                   'check README. Otherwise please install wkhtmltopdf - '
     42                   'https://github.com/JazzCore/python-pdfkit/wiki/Installing-wkhtmltopdf' % self.wkhtmltopdf)
     45 self.environ = environ
     47 if not self.environ:

OSError: No wkhtmltopdf executable found: "b''"
If this file exists please check that this process can read it or you can pass path to it manually in method call, check README. Otherwise please install wkhtmltopdf - https://github.com/JazzCore/python-pdfkit/wiki/Installing-wkhtmltopdf
```