

In [84]:

```
import numpy as np
```

In [85]:

```
countries = np.array(['Algeria', 'Angola', 'Argentina', 'Australia', 'Austria', 'Bahamas', 'Bangladesh', 'Belarus',
                      'Belgium', 'Bhutan', 'Brazil', 'Bulgaria', 'Cambodia', 'Cameroon', 'Chile', 'China', 'Colombia',
                      'Cyprus', 'Denmark', 'El Salvador', 'Estonia', 'Ethiopia', 'Fiji', 'Finland', 'France', 'Georgia',
                      'Ghana', 'Grenada', 'Guinea', 'Haiti', 'Honduras', 'Hungary', 'India', 'Indonesia', 'Ireland', 'Italy',
                      'Japan', 'Kenya', 'South Korea', 'Liberia', 'Malaysia', 'Mexico', 'Morocco', 'Nepal', 'New Zealand',
                      'Norway', 'Pakistan', 'Peru', 'Qatar', 'Russia', 'Singapore', 'South Africa', 'Spain', 'Sweden',
                      'Switzerland', 'Thailand', 'United Arab Emirates', 'United Kingdom', 'United States', 'Uruguay',
                      'Venezuela', 'Vietnam', 'Zimbabwe'])

gdp_value = np.array([2255.225482, 629.9553062, 11601.63022, 25306.82494, 27266.40335, 19466.99052, 588.3691778, 2890.345675,
                      24733.62696, 1445.760002, 4803.398244, 2618.876037, 590.4521124, 665.7982328, 7122.938458, 2639.54156,
                      3362.4656, 15378.16704, 30860.12808, 2579.115607, 6525.541272, 229.6769525, 2242.689259, 27570.4852,
                      23016.84778, 1334.646773, 402.6953275, 6047.200797, 394.1156638, 385.5793827, 1414.072488, 5745.981529,
                      837.7464011, 1206.991065, 27715.52837, 18937.24998, 39578.07441, 478.2194906, 16684.21278, 279.2204061,
                      5345.213415, 6288.25324, 1908.304416, 274.8728621, 14646.42094, 40034.85063, 672.1547506, 3359.517402,
                      36152.66676, 3054.727742, 33529.83052, 3825.093781, 15428.32098, 33630.24604, 39170.41371, 2699.123242,
                      21058.43643, 28272.40661, 37691.02733, 9581.05659, 5671.912202, 757.4009286, 347.7456605])
```

In [86]:

```
highest_gdp = gdp_value.argmax()

country_with_highest_gdp = countries[highest_gdp]
print(country_with_highest_gdp)
print(highest_gdp)
```

Norway
45

In [87]:

```
lowest_gdp = gdp_value.argmin()

country_with_lowest_gdp = countries[lowest_gdp]
print(country_with_lowest_gdp)
print(lowest_gdp)
```

Ethiopia
21

In [88]:

```
for i in countries:
    print("Evaluating country is", i)
```

Evaluating country is Algeria
Evaluating country is Angola
Evaluating country is Argentina

Evualiating country is Australia
Evualiating country is Austria
Evualiating country is Bahamas
Evualiating country is Bangladesh
Evualiating country is Belarus
Evualiating country is Belgium
Evualiating country is Bhutan
Evualiating country is Brazil
Evualiating country is Bulgaria
Evualiating country is Cambodia
Evualiating country is Cameroon
Evualiating country is Chile
Evualiating country is China
Evualiating country is Colombia
Evualiating country is Cyprus
Evualiating country is Denmark
Evualiating country is El Salvador
Evualiating country is Estonia
Evualiating country is Ethiopia
Evualiating country is Fiji
Evualiating country is Finland
Evualiating country is France
Evualiating country is Georgia
Evualiating country is Ghana
Evualiating country is Grenada
Evualiating country is Guinea
Evualiating country is Haiti
Evualiating country is Honduras
Evualiating country is Hungary
Evualiating country is India
Evualiating country is Indonesia
Evualiating country is Ireland
Evualiating country is Italy
Evualiating country is Japan
Evualiating country is Kenya
Evualiating country is South Korea
Evualiating country is Liberia
Evualiating country is Malaysia
Evualiating country is Mexico
Evualiating country is Morocco
Evualiating country is Nepal
Evualiating country is New Zealand
Evualiating country is Norway
Evualiating country is Pakistan
Evualiating country is Peru
Evualiating country is Qatar
Evualiating country is Russia
Evualiating country is Singapore
Evualiating country is South Africa
Evualiating country is Spain
Evualiating country is Sweden
Evualiating country is Switzerland
Evualiating country is Thailand
Evualiating country is United Arab Emirates
Evualiating country is United Kingdom
Evualiating country is United States
Evualiating country is Uruguay
Evualiating country is Venezuela
Evualiating country is Vietnam
Evualiating country is Zimbabwe

In [92]:

```
# print(len(countries))  
  
for i in range(len(countries)):  
    country = countries[i]  
    gdp = gdp_value[i]  
    print('country', country, 'per capita is', gdp )
```

country Algeria per capita is 2255.225482
country Angola per capita is 629.9553062

country Argentina per capita is 11601.63022
country Australia per capita is 25306.82494
country Austria per capita is 27266.40335
country Bahamas per capita is 19466.99052
country Bangladesh per capita is 588.3691778
country Belarus per capita is 2890.345675
country Belgium per capita is 24733.62696
country Bhutan per capita is 1445.760002
country Brazil per capita is 4803.398244
country Bulgaria per capita is 2618.876037
country Cambodia per capita is 590.4521124
country Cameroon per capita is 665.7982328
country Chile per capita is 7122.938458
country China per capita is 2639.54156
country Colombia per capita is 3362.4656
country Cyprus per capita is 15378.16704
country Denmark per capita is 30860.12808
country El Salvador per capita is 2579.115607
country Estonia per capita is 6525.541272
country Ethiopia per capita is 229.6769525
country Fiji per capita is 2242.689259
country Finland per capita is 27570.4852
country France per capita is 23016.84778
country Georgia per capita is 1334.646773
country Ghana per capita is 402.6953275
country Grenada per capita is 6047.200797
country Guinea per capita is 394.1156638
country Haiti per capita is 385.5793827
country Honduras per capita is 1414.072488
country Hungary per capita is 5745.981529
country India per capita is 837.7464011
country Indonesia per capita is 1206.991065
country Ireland per capita is 27715.52837
country Italy per capita is 18937.24998
country Japan per capita is 39578.07441
country Kenya per capita is 478.2194906
country South Korea per capita is 16684.21278
country Liberia per capita is 279.2204061
country Malaysia per capita is 5345.213415
country Mexico per capita is 6288.25324
country Morocco per capita is 1908.304416
country Nepal per capita is 274.8728621
country New Zealand per capita is 14646.42094
country Norway per capita is 40034.85063
country Pakistan per capita is 672.1547506
country Peru per capita is 3359.517402
country Qatar per capita is 36152.66676
country Russia per capita is 3054.727742
country Singapore per capita is 33529.83052
country South Africa per capita is 3825.093781
country Spain per capita is 15428.32098
country Sweden per capita is 33630.24604
country Switzerland per capita is 39170.41371
country Thailand per capita is 2699.123242
country United Arab Emirates per capita is 21058.43643
country United Kingdom per capita is 28272.40661
country United States per capita is 37691.02733
country Uruguay per capita is 9581.05659
country Venezuela per capita is 5671.912202
country Vietnam per capita is 757.4009286
country Zimbabwe per capita is 347.7456605

In [96]:

```
print(gdp_value.max())  
print(gdp_value.min())  
print(gdp_value.mean())  
print(gdp_value.std())  
print(gdp_value.sum())
```

40034.85063
229.6769525

11289.409271639683
12743.828910617945
711232.7841133

In []: