Analyse GDP of Countries

Import numpy library

```
In [2]:  import numpy as np
```

```
In [6]:  countries=np.array(['Algeria','Angola','Argentina','Australia','Austria','Bahamas','Bangladesh','Belarus','Belgi
                            ])
```

```
In [15]: gdp_per_capita=np.array([2255.225482,629.9553062,11601.63022,25306.82494,27266.40335,19466.99052,588.3691778,2890
```

Find and print the name of the country with the highest GDP

```
In [16]: max_gdp_per_capita = gdp_per_capita.argmax()
```

```
In [18]: country_with_max_gdp_per_capita=countries[max_gdp_per_capita]
```

```
In [19]: country_with_max_gdp_per_capita
```

```
Out[19]: 'Norway'
```

Find and print the name of the country with the lowest GDP

```
In [20]: min_gdp_per_capita=gdp_per_capita.argmin()
```

```
In [21]: country_with_min_gdp_per_capita=countries[min_gdp_per_capita]
```

```
In [23]: country_with_min_gdp_per_capita
```

```
Out[23]: 'Ethiopia'
```

Print out text and input values iteratively

```
In [25]: for country in countries:
             print('ecaluating country{}'.format(country))
```

```
ecaluating countryAlgeria
ecaluating countryAngola
ecaluating countryArgentina
ecaluating countryAustralia
ecaluating countryAustria
ecaluating countryBahamas
ecaluating countryBangladesh
ecaluating countryBelarus
ecaluating countryBelgium
ecaluating countryBhutan
ecaluating countryBrazil
ecaluating countryBulgaria
ecaluating countryCambodia
ecaluating countryCameroon
ecaluating countryChile
ecaluating countryChina
ecaluating countryColombia
ecaluating countryCyprus
ecaluating countryDenmark
ecaluating countryEl Salvador
```

```
ecaluating countryEstonia
ecaluating countryEthiopia
ecaluating countryFiji
ecaluating countryFinland
ecaluating countryFrance
ecaluating countryGeorgia
ecaluating countryGhana
ecaluating countryGrenada
ecaluating countryGuinea
ecaluating countryHaiti
ecaluating countryHonduras
ecaluating countryHungary
ecaluating countryIndia
ecaluating countryIndonesia
ecaluating countryIreland
ecaluating countryItaly
ecaluating countryJapan
ecaluating countryKenya
ecaluating countrySouth Korea
ecaluating countryLiberia
ecaluating countryMalaysia
ecaluating countryMexico
ecaluating countryMorocco
ecaluating countryNepal
ecaluating countryNew Zealand
ecaluating countryNorway
ecaluating countryPakistan
ecaluating countryPeru
ecaluating countryQatar
ecaluating countryRussia
ecaluating countrySingapore
ecaluating countrySouth Africa
ecaluating countrySpain
ecaluating countrySweden
ecaluating countrySwitzerland
ecaluating countryThailand
ecaluating countryUnited Arab Emirates
ecaluating countryUnited Kingdom
ecaluating countryUnited States
ecaluating countryUruguay
ecaluating countryVenezuela
ecaluating countryVietnam
ecaluating countryZimbabwe
```

Print out the entire list of the countries with their GDPs

In [26]:
```python
for i in range(len(countries)):
    country=countries[i]
    country_gdp_per_capita=gdp_per_capita[i]
    print('country{}per capita gdp is{}'.format(country,country_gdp_per_capita))
```

```
countryAlgeriaper capita gdp is2255.225482
countryAngolaper capita gdp is629.9553062
countryArgentinaper capita gdp is11601.63022
countryAustraliaper capita gdp is25306.82494
countryAustriaper capita gdp is27266.40335
countryBahamasper capita gdp is19466.99052
countryBangladeshper capita gdp is588.3691778
countryBelarusper capita gdp is2890.345675
countryBelgiumper capita gdp is24733.62696
countryBhutanper capita gdp is1445.760002
countryBrazilper capita gdp is4803.398244
countryBulgariaper capita gdp is2618.876037
countryCambodiaper capita gdp is590.4521124
countryCameroonper capita gdp is665.7982328
countryChileper capita gdp is7122.938458
countryChinaper capita gdp is2639.54156
countryColombiaper capita gdp is3362.4656
countryCyprusper capita gdp is15378.16704
countryDenmarkper capita gdp is30860.12808
countryEl Salvadorper capita gdp is2579.115607
countryEstoniaper capita gdp is6525.541272
countryEthiopiaper capita gdp is229.6769525
countryFijiper capita gdp is2242.689259
countryFinlandper capita gdp is27570.4852
countryFranceper capita gdp is23016.84778
countryGeorgiaper capita gdp is1334.646773
countryGhanaper capita gdp is402.6953275
```

```
countryGrenadaper capita gdp is6047.200797
countryGuineaper capita gdp is394.1156638
countryHaitiper capita gdp is385.5793827
countryHondurasper capita gdp is1414.072488
countryHungaryper capita gdp is5745.981529
countryIndiaper capita gdp is837.7464011
countryIndonesiaper capita gdp is1206.991065
countryIrelandper capita gdp is27715.52837
countryItalyper capita gdp is18937.24998
countryJapanper capita gdp is39578.07441
countryKenyaper capita gdp is478.2194906
countrySouth Koreaper capita gdp is16684.21278
countryLiberiaper capita gdp is279.2204061
countryMalaysiaper capita gdp is5345.213415
countryMexicoper capita gdp is6288.25324
countryMoroccoper capita gdp is1908.304416
countryNepalper capita gdp is274.8728621
countryNew Zealandper capita gdp is14646.42094
countryNorwayper capita gdp is40034.85063
countryPakistanper capita gdp is672.1547506
countryPeruper capita gdp is3359.517402
countryQatarper capita gdp is36152.66676
countryRussiaper capita gdp is3054.727742
countrySingaporeper capita gdp is33529.83052
countrySouth Africaper capita gdp is3825.093781
countrySpainper capita gdp is15428.32098
countrySwedenper capita gdp is33630.24604
countrySwitzerlandper capita gdp is39170.41371
countryThailandper capita gdp is2699.123242
countryUnited Arab Emiratesper capita gdp is21058.43643
countryUnited Kingdomper capita gdp is28272.40661
countryUnited Statesper capita gdp is37691.02733
countryUruguayper capita gdp is9581.05659
countryVenezuelaper capita gdp is5671.912202
countryVietnamper capita gdp is757.4009286
countryZimbabweper capita gdp is347.7456605
```

Print the highest GDP value, lowest GDP value, mean GDP value, standardized GDP value, and the sum of all the GDPs

In [27]:
```python
print(gdp_per_capita.max())
print(gdp_per_capita.min())
print(gdp_per_capita.mean())
print(gdp_per_capita.std())
print(gdp_per_capita.sum())
```

```
40034.85063
229.6769525
11289.409271639683
12743.828910617945
711232.7841133
```

In [ ]: