Solution for the PGP - Analyse GDP of Countries

Domain Technology

1.Use of argmax

* Declaration of Numpy array Countries and gdp\_per\_capita
* max\_gdp\_per\_capita = gdp\_per\_capita.argmax() – Use of this function

2. Finding the max gdp of the country

* Initialization of Countries\_with\_max\_gdp
* Countries\_with\_max\_gdp = Countries[ max\_gdp\_per\_capita]

Searching of max gdp in Countries numpy array

Print the Countries with max gdp

3.finding minimum gdp of the country

min\_gdp\_per\_capita = gdp\_per\_capita.argmin()

Calling the argmin function with gdp per capita numpy array

Countries\_with\_min\_gdp = Countries[min\_gdp\_per\_capita]

print(Countries\_with\_min\_gdp)

Searching min\_gdp\_per\_capita in Countries array

Print the Countries\_with\_min\_gdp

4. Use the for loop iteratively and print the values of Countries array

for i in Countries:

    print('evaluating Countries {}' .format(i))

5.Print the Countries with respective gdp

Take the for loop with respect to len of Countries array

Every time incremental value I get the country and its gdp from array of Countries and gdp\_per\_capita

for i in range(len(Countries)):

    country = Countries[i]

    gdp = gdp\_per\_capita[i]

    print('{} with their gdp {}'.format(country,gdp))

6. **6: Print the following:**

1. Highest GPD value

2. Lowest GDP value

3. Mean GDP value

4. Standardized GDP value

5. Sum of all the GDPs

Call respective function with respect to gdp\_per\_capita numpy array

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())