Statistical Analysis on COVID. Get the output for the following questions also:

Import libraries

In [1]:
```
import pandas as pd
import numpy as np
```

Loading dataset

In [2]:
```
df = pd.read_csv('country_wise_latest.csv')
df.head()
```

Out[2]:

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	Deaths / 100 Cases	R
0	Afghanistan	36263	1269	25198	9796	106	10	18	3.50	
1	Albania	4880	144	2745	1991	117	6	63	2.95	
2	Algeria	27973	1163	18837	7973	616	8	749	4.16	
3	Andorra	907	52	803	52	10	0	0	5.73	
4	Angola	950	41	242	667	18	1	0	4.32	

In [3]:
```
df.shape
```

Out[3]:
```
(187, 15)
```

What are the average cases in a country?

In [4]:
```
avg = df['Confirmed'].mean()
print(avg ,'are the average cases in a country')
```

```
88130.935828877 are the average cases in a country
```

In [5]:
```
# calculating avg case of each country
avg_case = df.groupby('Country/Region').mean()['Confirmed']

# Making new dataframe
data = pd.DataFrame()
data['Country/Region'] = avg_case.index
data['Average cases'] = avg_case.values

# Printing final result
print('*'*54)
print('Average cases in a country'.center(54,' '))
print('*'*54)
print('|','Country/Region'.center(34),'|','Average cases','|')
print('-'*54)
for i in data.values:
    print('|',i[0].center(34),'|',str(i[1]).center(13),'|')
print('-'*54)
```

```
|              Dominica              |      18.0     |
|         Dominican Republic         |    64156.0    |
|              Ecuador               |    81161.0    |
|               Egypt                |    92482.0    |
|            El Salvador             |    15035.0    |
|         Equatorial Guinea          |     3071.0    |
|              Eritrea               |     265.0     |
|              Estonia               |     2034.0    |
|              Eswatini              |     2316.0    |
|              Ethiopia              |    14547.0    |
|                Fiji                |      27.0     |
|              Finland               |     7398.0    |
|               France               |    220352.0   |
|               Gabon                |     7189.0    |
|               Gambia               |     326.0     |
|              Georgia               |     1137.0    |
|              Germany               |    207112.0   |
|               Ghana                |    33624.0    |
|               Greece               |     4227.0    |
|             Greenland              |      14.0     |
```

What is the total number of deaths as per the dataset?

In [6]:
```
tot = df['Deaths'].sum()
print(tot,'is the total number of deaths as per the dataset')
```

```
654036 is the total number of deaths as per the dataset
```

What is the total number of confirmed cases?

In [7]:
```
tot = df['Confirmed'].sum()
print(tot,'is the total number of confirmed cases')
```

```
16480485 is the total number of confirmed cases
```