# COVID Analysis - Multi-Columns Analysis

## Importing Library

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

## Loading Dataset

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

Out[2]:

| | country | iso_code | date | total_vaccinations | people_vaccinated | people_fully_vaccinated | d |
|---|---|---|---|---|---|---|---|
| **0** | Afghanistan | AFG | 2021-05-27 | 593313.0 | 479574.0 | 113739.0 | |
| **1** | Afghanistan | AFG | 2021-06-03 | 630305.0 | 481800.0 | 148505.0 | |
| **2** | Afghanistan | AFG | 2022-01-27 | 5081064.0 | 4517380.0 | 3868832.0 | |
| **3** | Albania | ALB | 2021-02-18 | 3049.0 | 2438.0 | 611.0 | |
| **4** | Albania | ALB | 2021-05-11 | 622507.0 | 440921.0 | 181586.0 | |

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

Out[3]:
```
(30847, 19)
```

# 1. How many people are totally vaccinated in India in May 2021?

In [4]:
```
tot = 0
for i in df.values:
    if i[0] == 'India' and i[-1] == 'May' and i[-4] == 2021:
        tot += int(i[5])
print(tot,'people are totally vaccinated in India in May 2021')
```

```
1092948112 people are totally vaccinated in India in May 2021
```

# 2. How many people are vaccinated in Albania on 2022-01-12?

In [5]:
```
tot = 0
for i in df.values:
    if  i[0] == 'Albania' and i[2] == '2022-01-12':
        tot += int(i[3])
print(tot,'people are vaccinated in Albania on 2022-01-12')
```

```
0 people are vaccinated in Albania on 2022-01-12
```