In [1]: import pandas as pd

loading the Datset

In [114]:	<pre>df = pd.read_csv('country_vaccinations.csv')</pre>										
In [103]:	df.head()										
Out[103]:		country	iso_code	date	total_vaccinations	people_vaccinated	people_fully_vacci				
	0	Afghanistan	AFG	2021-02-22	0.0	0.0					
	1	Afghanistan	AFG	2021-02-23	NaN	NaN					
	2	Afghanistan	AFG	2021-02-24	NaN	NaN					
	3	Afghanistan	AFG	2021-02-25	NaN	NaN					
	4	Afghanistan	AFG	2021-02-26	NaN	NaN					
In [104]:	<pre>df.isnull().sum()</pre>										
Out[104]:	country iso_code date total_vaccinations people_vaccinated people_fully_vaccinated daily_vaccinations_raw daily_vaccinations total_vaccinations_per_hundre people_vaccinated_per_hundre people_fully_vaccinated_per_ daily_vaccinations_per_milli vaccines source_name source_website dtype: int64				ed 45218 _hundred 47710						
In [115]:	df	= df.fil	lna(0)								

Also add Year Column in the dataset from Date Column

Approach 1

```
In [116]: |year = []
            for i in df['date'].values:
                year.append(i.split('-')[0])
                month.append(i.split('-')[1])
                 date.append(i.split('-')[2])
            df['Year'] = year
In [117]: df.head()
Out[117]:
                  country iso code
                                        date total vaccinations people vaccinated people fully vacci
             0 Afghanistan
                              AFG 2021-02-22
                                                          0.0
                                                                           0.0
             1 Afghanistan
                              AFG 2021-02-23
                                                          0.0
                                                                           0.0
             2 Afghanistan
                              AFG 2021-02-24
                                                          0.0
                                                                           0.0
             3 Afghanistan
                              AFG 2021-02-25
                                                          0.0
                                                                           0.0
             4 Afghanistan
                              AFG 2021-02-26
                                                          0.0
                                                                           0.0
```

Add Month Column in the dataset from Date Column (1-12)

```
In [118]: month = []
    for i in df['date'].values:
        year.append(i.split('-')[0])
        month.append(i.split('-')[1])
        date.append(i.split('-')[2])
    df['Month'] = month
```

In [119]:	df.head()									
Out[119]:		country	iso_code	date	total_vaccinations	people_vaccinated	people_fully_vacci			
	0	Afghanistan	AFG	2021-02-22	0.0	0.0				
	1	Afghanistan	AFG	2021-02-23	0.0	0.0				
	2	Afghanistan	AFG	2021-02-24	0.0	0.0				
	3	Afghanistan	AFG	2021-02-25	0.0	0.0				
	4	Afghanistan	AFG	2021-02-26	0.0	0.0				

Add Day Column in the dataset from Date Column

In [120]:	<pre>date = [] for i in df['date'].values: year.append(i.split('-')[0]) month.append(i.split('-')[1]) date.append(i.split('-')[2]) df['Date'] = date</pre>								
In [121]:	df.	.head()							
Out[121]:		country	iso_code	date	total_vaccinations	people_vaccinated	people_fully_vacci		
	0	Afghanistan	AFG	2021-02-22	0.0	0.0			
	1	Afghanistan	AFG	2021-02-23	0.0	0.0			
	2	Afghanistan	AFG	2021-02-24	0.0	0.0			
	3	Afghanistan	AFG	2021-02-25	0.0	0.0			
	4	Afghanistan	AFG	2021-02-26	0.0	0.0			

Approach 2 - Combining Date/month/year by changing the datatype of the entire date column

In [70]: # changing the datatype of the data
df['date'] = pd.to_datetime(df['date'])

In [77]: df['Date'] = df['date'].dt.day
 df['Month'] = df['date'].dt.month
 df['Year'] = df['date'].dt.year

In [78]: df.head()

in [70]. un.neau()									
Out[78]:		country	iso_code	date	total_vaccinations	people_vaccinated	people_fully_vacci		
	0	Afghanistan	AFG	2021-02-22	0.0	0.0			
	1	Afghanistan	AFG	2021-02-23	0.0	0.0			
	2	Afghanistan	AFG	2021-02-24	0.0	0.0			
	3	Afghanistan	AFG	2021-02-25	0.0	0.0			
	4	Afghanistan	AFG	2021-02-26	0.0	0.0			