WEEKLY PROJECT 12

COVID Analysis-Categorical Columns

Importing libraries and dataset

```
In [6]: import numpy as np
          import pandas as pd
          import datetime
         df=pd.read_csv('country_vaccinations.csv')
          df.head()
                                  date total_vaccinations people_vaccinated people_fully_vaccinated daily_vaccinations_raw daily_vaccinations total_vaccinations_per_hundred people_vaccinated_per_hundred
Out[7]:
               country iso_code
                            AFG
          0 Afghanistan
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02-23
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```

Adding month column

1)Using datetime

```
month_name=[]
In [8]:
         for i in df['date']:
              date=int(i.split('-')[2])
              month=int(i.split('-')[1])
              year=int(i.split('-')[0])
              month_name.append(datetime.date(year, month, date).strftime('%b'))
         df['month_name']=month_name
         df.head()
               country iso_code
                                  date total_vaccinations people_vaccinated people_fully_vaccinated daily_vaccinations_raw daily_vaccinations total_vaccinations_per_hundred people_vaccinated_per_hundred
Out[8]:
                                 2021-
02-22
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02-23
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02-25
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```

	2)Using Calendar									
In [9]:	<pre>import calendar</pre>									
In [10]:	<pre>month_name=[] for i in df['date']: date=int(i.split('-')[2]) month=int(i.split('-')[1]) year=int(i.split('-')[0]) month_name.append(calendar.month_name[month]) df['month_name']=month_name df.head()</pre>									
Out[10]:	country	iso_code	date	total_vaccinations	people_vaccinated	people_fully_vaccinated	daily_vaccinations_raw	daily_vaccinations	total_vaccinations_per_hundred	people_vaccinated_per_hundred
	0 Afghanistan	AFG	2021- 02-22	0.0	0.0	NaN	NaN	NaN	0.0	0.0
	1 Afghanistan	AFG	2021- 02-23	NaN	NaN	NaN	NaN	1367.0	NaN	Nat
	2 Afghanistan	AFG	2021- 02-24	NaN	NaN	NaN	NaN	1367.0	NaN	Nat
	3 Afghanistan	AFG	2021- 02-25	NaN	NaN	NaN	NaN	1367.0	NaN	Nat

NaN

NaN

1367.0

NaN

Nal

4 Afghanistan

AFG 2021-02-26

NaN

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