week6-proj4

July 1, 2023

```python
import pandas as pd
df = pd.read_csv('country_wise_latest - Copy.csv',header=None)
df
```

```
[36]:                          0          1       2          3        4          5  \
      0         Country/Region  Confirmed  Deaths  Recovered   Active  New cases
      1            Afghanistan        NaN     NaN      25198     9796        106
      2                Albania       4880     144       2745     1991        117
      3                Algeria      27973    1163      18837     7973        616
      4                Andorra        907      52        803       52         10
      ..                   ...        ...     ...        ...      ...        ...
      183  West Bank and Gaza      10621      78       3752     6791        152
      184      Western Sahara         10       1          8        1          0
      185               Yemen       1691     483        833      375         10
      186              Zambia       4552     140       2815     1597         71
      187            Zimbabwe       2704      36        542     2126        192

                   6               7                 8                    9  \
      0    New deaths  New recovered  Deaths / 100 Cases  Recovered / 100 Cases
      1            10             18                 3.5                  69.49
      2             6             63                2.95                  56.25
      3             8            749                4.16                  67.34
      4             0              0                5.73                  88.53
      ..          ...            ...                 ...                    ...
      183           2              0                0.73                  35.33
      184           0              0                  10                     80
      185           4             36               28.56                  49.26
      186           1            465                3.08                  61.84
      187           2             24                1.33                  20.04

                                10                   11              12  \
      0    Deaths / 100 Recovered  Confirmed last week  1 week change
      1                      5.04                35526            737
      2                      5.25                 4171            709
      3                      6.17                23691           4282
      4                      6.48                  884             23
      ..                      ...                  ...            ...
```

```
183                        2.08                 8916                 1705
184                        12.5                   10                    0
185                       57.98                 1619                   72
186                        4.97                 3326                 1226
187                        6.64                 1713                  991


                           13                   14
0    1 week % increase                 WHO Region
1                         2.07  Eastern Mediterranean
2                           17                 Europe
3                        18.07                 Africa
4                          2.6                 Europe
..                          …                      …
183                      19.12  Eastern Mediterranean
184                          0                 Africa
185                       4.45  Eastern Mediterranean
186                      36.86                 Africa
187                      57.85                 Africa

[188 rows x 15 columns]
```

```python
df[1]=df[1].fillna(0)
df[2]=df[2].fillna(0)
df[3]=df[3].fillna(0)
df[4]=df[4].fillna(0)
df[5]=df[5].fillna(0)
df[6]=df[6].fillna(0)
df[7]=df[7].fillna(0)
df[8]=df[8].fillna(0)
df[9]=df[9].fillna(0)
df[10]=df[10].fillna(0)
df[11]=df[11].fillna(0)
df[12]=df[12].fillna(0)
df[13]=df[14].fillna(0)
```

[28]: `df`

[28]:
```
                          0          1       2          3       4          5  \
0            Country/Region  Confirmed  Deaths  Recovered  Active  New cases
1               Afghanistan          0       0      25198    9796        106
2                   Albania       4880     144       2745    1991        117
3                   Algeria      27973    1163      18837    7973        616
4                    Andorra        907      52        803      52         10
..                        …          …       …          …       …          …
183     West Bank and Gaza      10621      78       3752    6791        152
184         Western Sahara         10       1          8       1          0
185                  Yemen       1691     483        833     375         10
```

2

```
186            Zambia      4552     140      2815    1597       71
187          Zimbabwe      2704      36       542    2126      192


                    6              7                 8                      9  \
0        New deaths   New recovered   Deaths / 100 Cases   Recovered / 100 Cases
1                10              18                  3.5                   69.49
2                 6              63                 2.95                   56.25
3                 8             749                 4.16                   67.34
4                 0               0                 5.73                   88.53
..               …               …                    …                       …
183               2               0                 0.73                   35.33
184               0               0                   10                      80
185               4              36                28.56                   49.26
186               1             465                 3.08                   61.84
187               2              24                 1.33                   20.04


                        10                   11              12  \
0       Deaths / 100 Recovered   Confirmed last week   1 week change
1                         5.04                 35526             737
2                         5.25                  4171             709
3                         6.17                 23691            4282
4                         6.48                   884              23
..                           …                     …               …
183                       2.08                  8916            1705
184                       12.5                    10               0
185                      57.98                  1619              72
186                       4.97                  3326            1226
187                       6.64                  1713             991


                        13                      14
0              WHO Region              WHO Region
1       Eastern Mediterranean   Eastern Mediterranean
2                      Europe                  Europe
3                      Africa                  Africa
4                      Europe                  Europe
..                          …                       …
183     Eastern Mediterranean   Eastern Mediterranean
184                    Africa                  Africa
185     Eastern Mediterranean   Eastern Mediterranean
186                    Africa                  Africa
187                    Africa                  Africa

[188 rows x 15 columns]
```

```
[38]: a1=df[0]
      a2=df[1]
      a3=df[2]
```

```
a4=df[3]
a5=df[4]
a6=df[5]
a7=df[6]
a8=df[7]
a9=df[8]
a10=df[9]
a11=df[10]
a12=df[11]
a13=df[12]
a14=df[13]
a15=df[14]

del df[0]
del df[1]
del df[2]
del df[3]
del df[4]
del df[5]
del df[6]
del df[7]
del df[8]
del df[9]
del df[10]
del df[11]
del df[12]
del df[13]
del df[14]

df['Country/Region']=a1
df['Confirmed']=a2
df['Deaths']=a3
df['Recovered']=a4
df['Active']=a5
df['New cases']=a6
df['New deaths']=a7
df['New recovered']=a8
df['Deaths / 100 Cases']=a9
df['Recovered / 100 Cases']=a10
df['Deaths / 100 Recovered']=a11
df['Confirmed last week']=a12
df['1 week change']=a13
df['1 week % increase']=a14
df['WHO Region']=a15
```

[39]: `df`

```
[39]:         Country/Region  Confirmed  Deaths  Recovered  Active  New cases  \
      0       Country/Region  Confirmed  Deaths  Recovered  Active  New cases
      1          Afghanistan          0       0      25198    9796        106
      2              Albania       4880     144       2745    1991        117
      3              Algeria      27973    1163      18837    7973        616
      4              Andorra        907      52        803      52         10
      ..                 ...        ...     ...        ...     ...        ...
      183  West Bank and Gaza      10621      78       3752    6791        152
      184      Western Sahara         10       1          8       1          0
      185               Yemen       1691     483        833     375         10
      186              Zambia       4552     140       2815    1597         71
      187            Zimbabwe       2704      36        542    2126        192

           New deaths  New recovered  Deaths / 100 Cases  Recovered / 100 Cases  \
      0     New deaths  New recovered  Deaths / 100 Cases  Recovered / 100 Cases
      1             10             18                 3.5                  69.49
      2              6             63                2.95                  56.25
      3              8            749                4.16                  67.34
      4              0              0                5.73                  88.53
      ..           ...            ...                 ...                    ...
      183            2              0                0.73                  35.33
      184            0              0                  10                     80
      185            4             36               28.56                  49.26
      186            1            465                3.08                  61.84
      187            2             24                1.33                  20.04

           Deaths / 100 Recovered  Confirmed last week  1 week change  \
      0     Deaths / 100 Recovered  Confirmed last week  1 week change
      1                       5.04                35526            737
      2                       5.25                 4171            709
      3                       6.17                23691           4282
      4                       6.48                  884             23
      ..                       ...                  ...            ...
      183                     2.08                 8916           1705
      184                     12.5                   10              0
      185                    57.98                 1619             72
      186                     4.97                 3326           1226
      187                     6.64                 1713            991

                1 week % increase              WHO Region
      0                WHO Region              WHO Region
      1     Eastern Mediterranean   Eastern Mediterranean
      2                    Europe                  Europe
      3                    Africa                  Africa
      4                    Europe                  Europe
      ..                      ...                     ...
      183   Eastern Mediterranean   Eastern Mediterranean
```

```
184                Africa                Africa
185  Eastern Mediterranean  Eastern Mediterranean
186                Africa                Africa
187                Africa                Africa

[188 rows x 15 columns]
```

[ ]: