Question 1: In [4]: import numpy as np import pandas as pd import matplotlib.pyplot as plt import seaborn as sns Question 2: In [2]: dataset = pd.read_csv('covid19.csv') dataset Recov Out[2]: Deaths New New New Country/Region Confirmed Deaths Recovered Active / 100 cases deaths recovered Cases Cá 0 Afghanistan 36263 1269 25198 9796 106 10 18 3.50 6 Albania 4880 144 2745 1991 2.95 2 27973 1163 18837 7973 8 749 4.16 Algeria 616 6 Andorra 907 52 803 10 0 5.73 242 667 1 0 2 4 Angola 950 41 18 4.32 West Bank and 6791 182 10621 78 3752 152 2 0 0.73 3 Gaza 10.00 183 Western Sahara 1 0 0 0 10 1 184 Yemen 1691 483 833 375 10 4 36 28.56 1597 185 Zambia 4552 140 2815 1 465 3.08 6 71 186 Zimbabwe 2 2704 36 542 2126 192 24 1.33 2 187 rows × 15 columns Question 3: In [5]: fig, ax = plt.subplots(figsize=(20,10))maroc = dataset[dataset['Country/Region'] == 'Morocco'] sns.barplot(data=maroc[['Confirmed', 'Deaths', 'Recovered', 'Active', 'New cases' <AxesSubplot:> Out[5]: 20000 17500 15000 12500 10000 2500 Question 4: Vertical: In [9]: fig, ax = plt.subplots(figsize=(30,20)) sns.barplot(x='Country/Region', y='New deaths', data=dataset[:20], orient='v') <AxesSubplot:xlabel='Country/Region', ylabel='New deaths'> Out[9]: Horizontale: In [11]: fig, ax = plt.subplots(figsize=(20,30)) sns.barplot(y='Country/Region', x='New deaths', data=dataset[:20], orient='h') <AxesSubplot:xlabel='New deaths', ylabel='Country/Region'> Out[11]: Antigua and Barbuda



Question 5:

<AxesSubplot:xlabel='WHO Region'>

In [19]:

Out[19]:



gou = dataset.sort_values(by=['Confirmed'], ascending=False)[:10][['WHO Region',
gou.set_index('WHO Region').plot(stacked=True, kind='bar', figsize=(30, 20))

Confirmed
Deaths
Recovered

140000	0
120000	
100000	
80000	0
60000	
40000	<u> </u>
20000	
0	
	Deaths
In []:	

Question 7:

<AxesSubplot:>

dataset.boxplot('Deaths')

In [22]:

Out[22]: