

```
In [1]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import plotly.express as px
import os
```

```
In [2]: files = os.listdir("C:/harinumpy/Dataset/Covid-19")
files
```

```
Out[2]: ['country_wise_latest.csv',
'covid19_clean_complete.csv',
'day_wise.csv',
'full_grouped.csv',
'usa_country_wise.csv',
'worldometer_data.csv']
```

```
In [3]: def read(path, filename):
return pd.read_csv(path + '/' + filename)
```

```
In [4]: path = ("C:/harinumpy/Dataset/Covid-19")

country_wise = read(path, 'country_wise_latest.csv')
covid19_clean = read(path, 'covid19_clean_complete.csv')
day_wise = read(path, 'day_wise.csv')
full_grouped = read(path, 'full_grouped.csv')
usa_country_wise= read(path, 'usa_country_wise.csv')
world_data = read(path, 'worldometer_data.csv')
```

## COUNTRY WITH MAXIMUM TOTAL CASES, DEATHS, RECOVERED & ACTIVE CASES

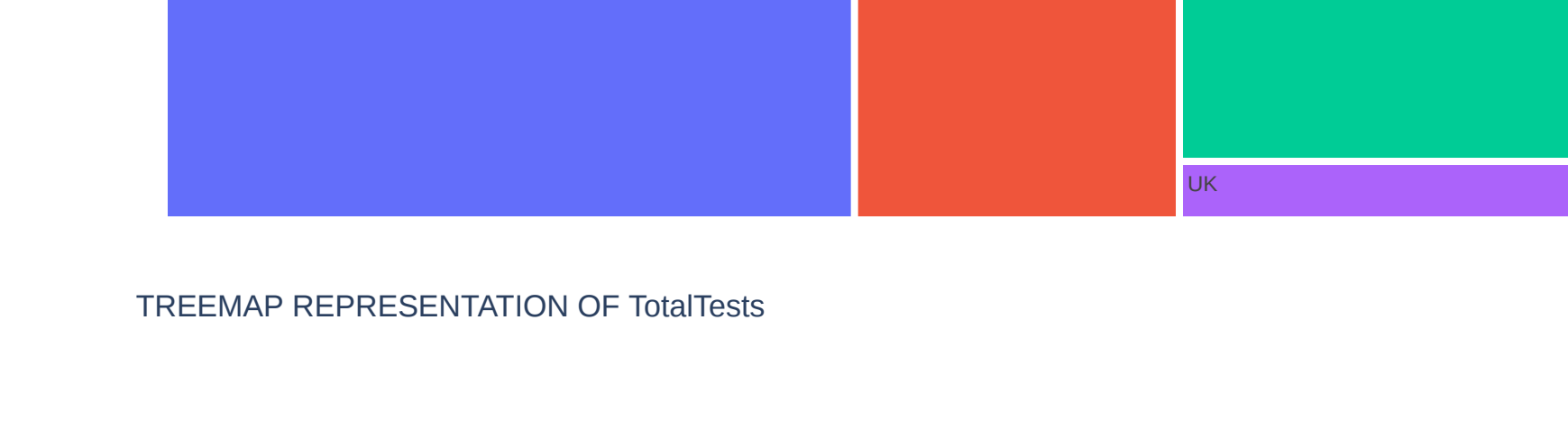
```
In [5]: world_data.head(5)
```

	Country/Region	Continent	Population	TotalCases	NewCases	TotalDeaths	NewDeaths	TotalRecovered	NewRecovered	ActiveCases	S
0	USA	North America	3.311981e+08	5032179	NaN	162804.0	NaN	2576668.0	NaN	2292707.0	
1	Brazil	South America	2.127107e+08	2917562	NaN	98644.0	NaN	2047660.0	NaN	771258.0	
2	India	Asia	1.381345e+09	2025409	NaN	41638.0	NaN	1377384.0	NaN	606387.0	
3	Russia	Europe	1.459409e+08	871894	NaN	14606.0	NaN	676357.0	NaN	180931.0	
4	South Africa	Africa	5.938157e+07	538184	NaN	9604.0	NaN	387316.0	NaN	141264.0	

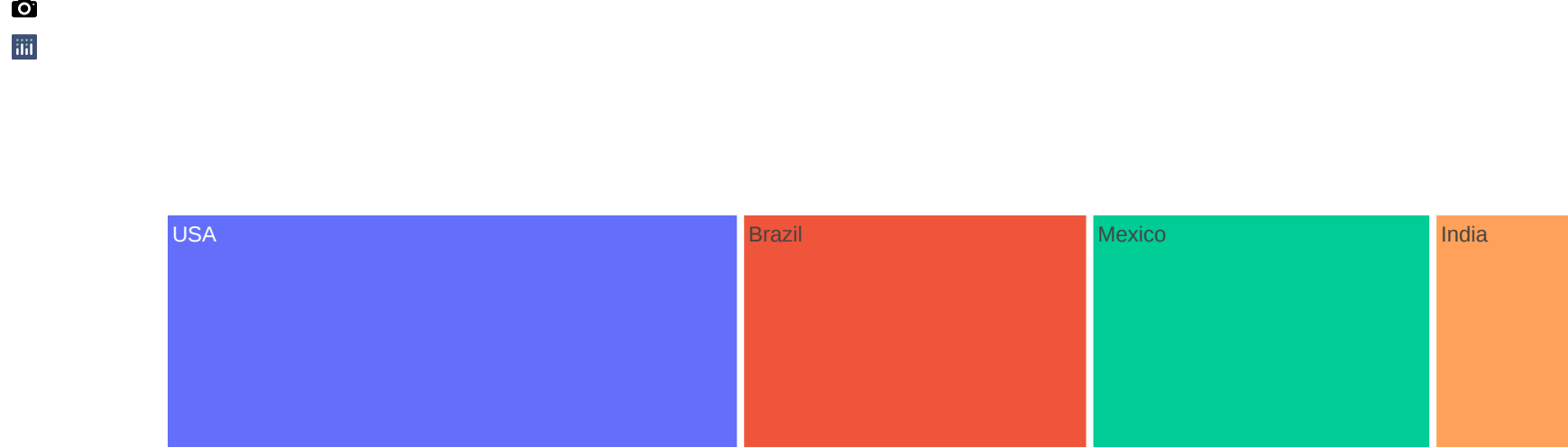
```
In [6]: world_data.columns
```

```
Out[6]: Index(['Country/Region', 'Continent', 'Population', 'TotalCases', 'NewCases',
'TotalDeaths', 'NewDeaths', 'TotalRecovered', 'NewRecovered', 'ActiveCases',
'Serious', 'Critical', 'Tot Cases/1M pop', 'Deaths/1M pop',
'TotalTests', 'Tests/1M pop', 'WHO Region'],
dtype='object')
```

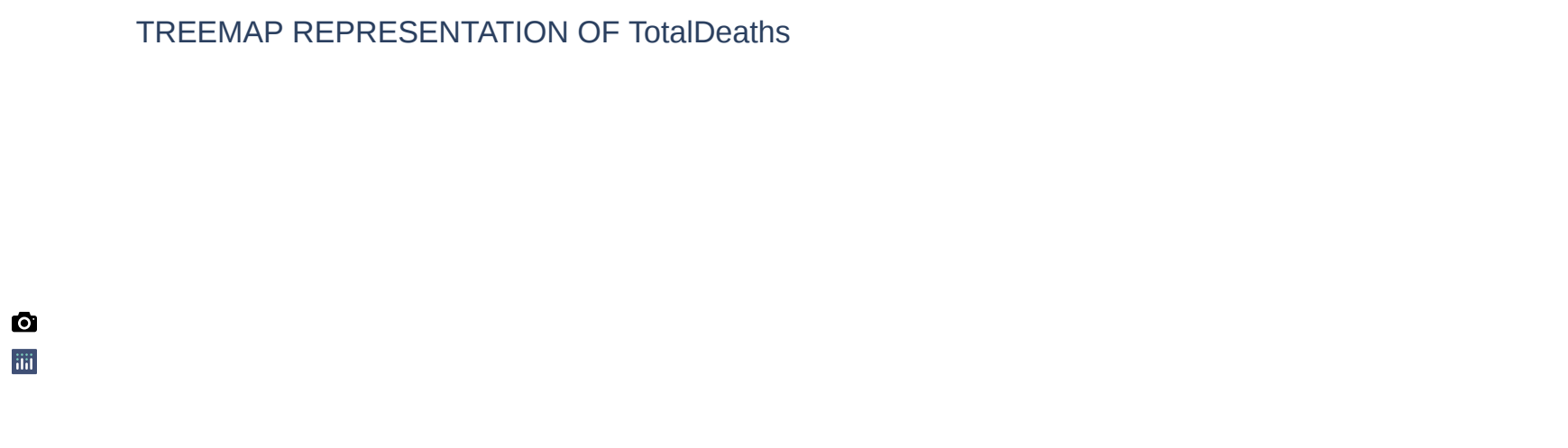
```
In [7]: C = ['TotalTests', 'TotalDeaths', 'TotalRecovered', 'ActiveCases']
for i in C:
plt.figure(figsize= (20,20))
fig = px.treemap(world_data.iloc[0:21] , path=["Country/Region"], values = i, title="TREEMAP REPRESENTATION
fig.show()
```



TREEMAP REPRESENTATION OF TotalTests



TREEMAP REPRESENTATION OF TotalDeaths



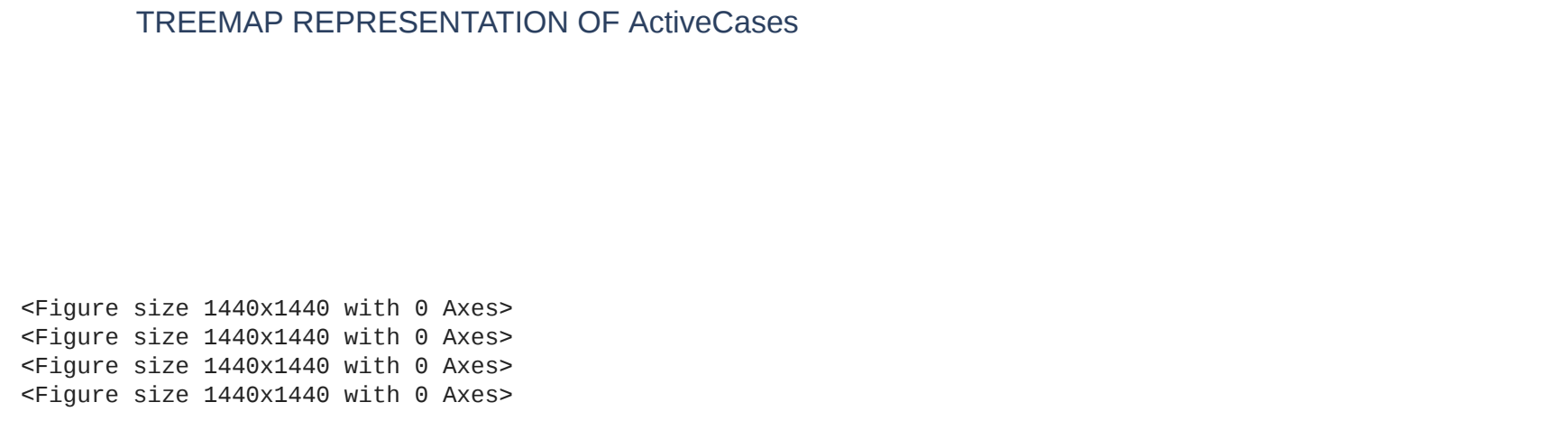
TREEMAP REPRESENTATION OF TotalRecovered



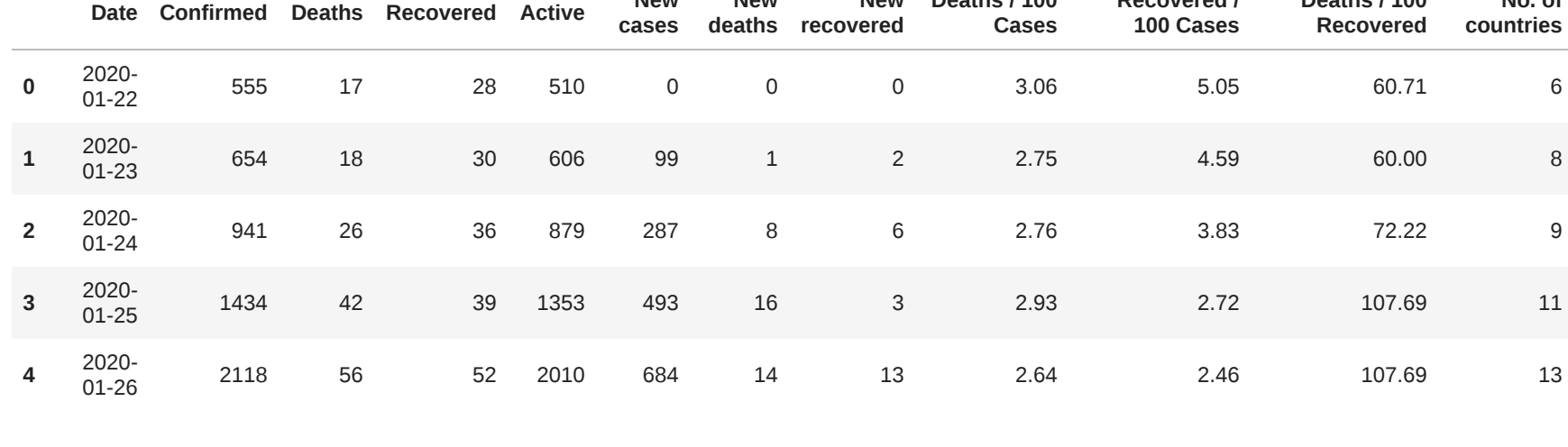
TREEMAP REPRESENTATION OF ActiveCases



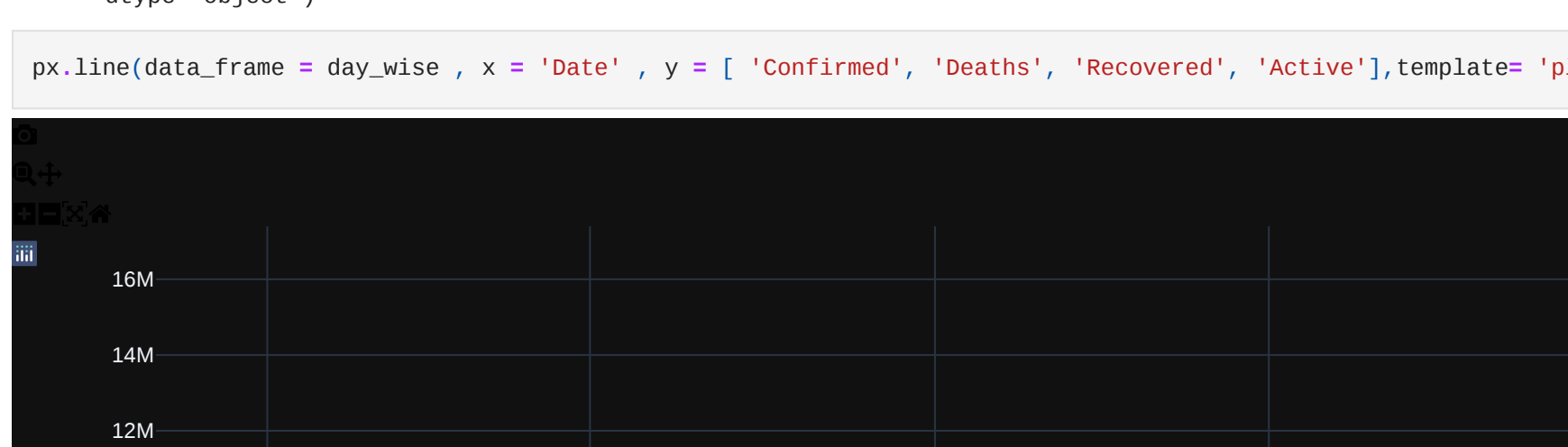
TREEMAP REPRESENTATION OF ActiveCases



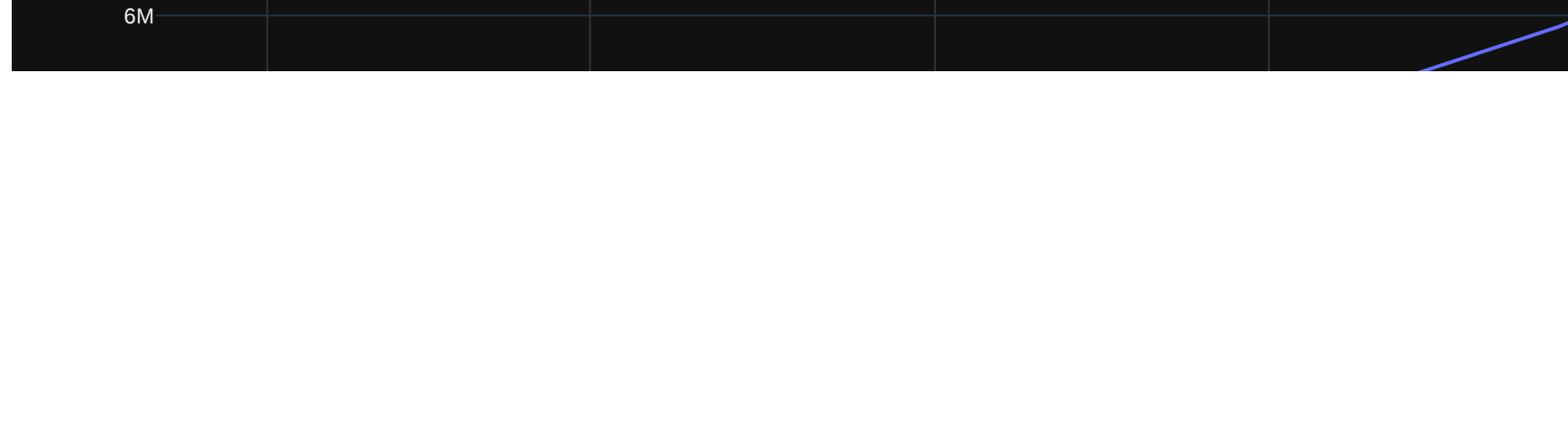
TREEMAP REPRESENTATION OF ActiveCases



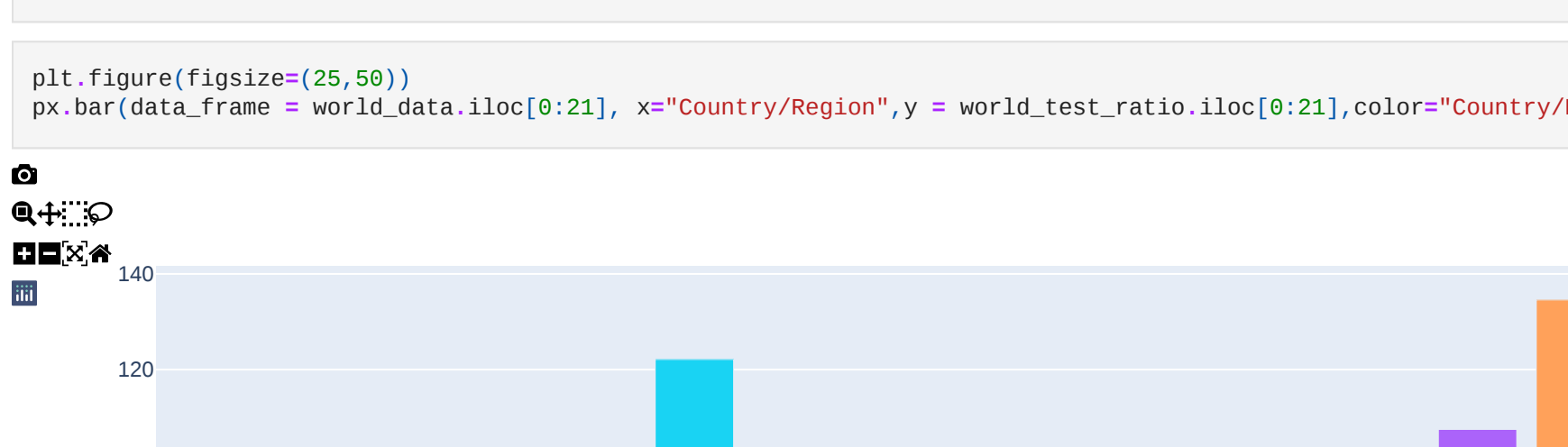
TREEMAP REPRESENTATION OF ActiveCases



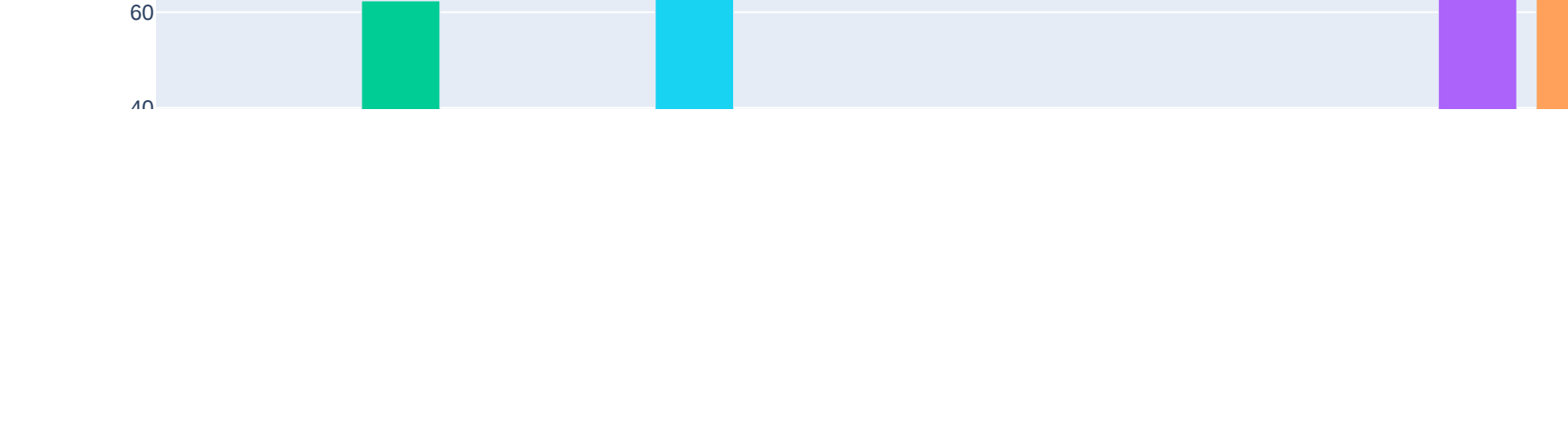
TREEMAP REPRESENTATION OF ActiveCases



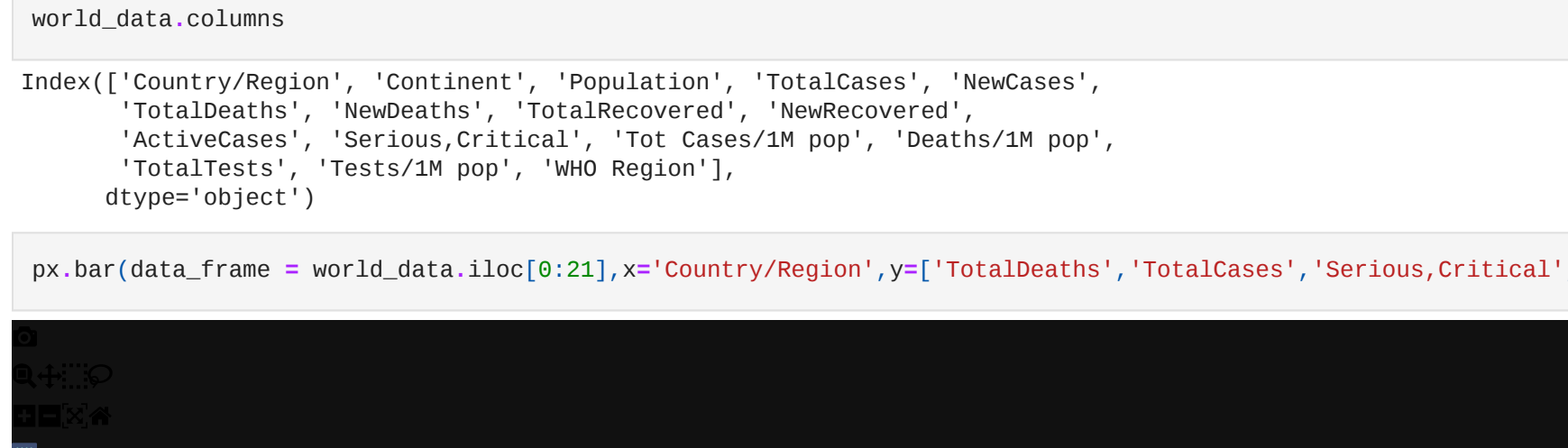
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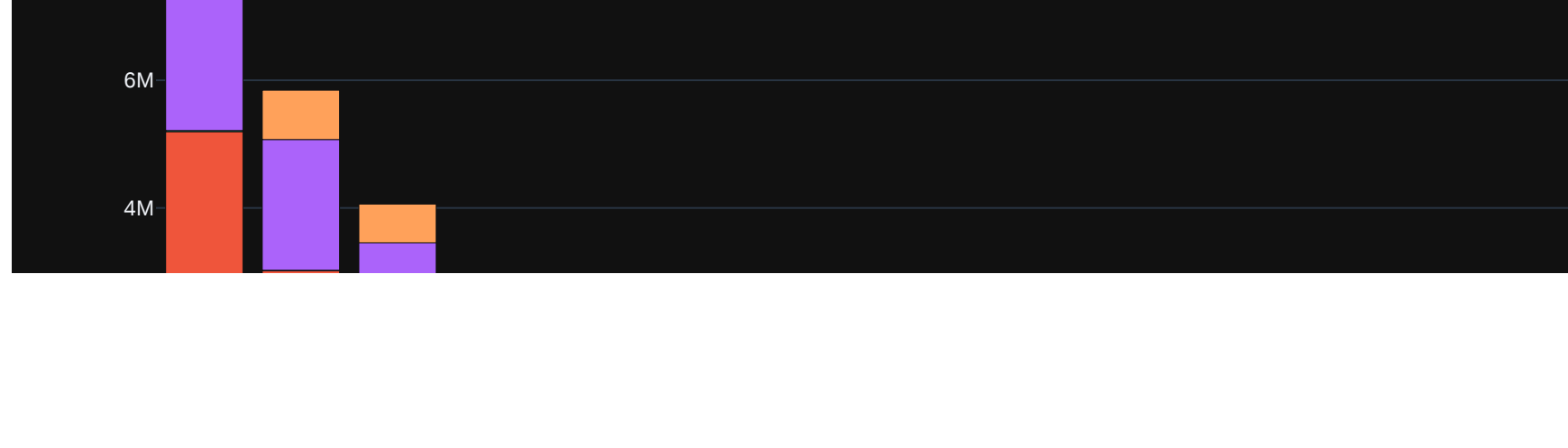
TREEMAP REPRESENTATION OF ActiveCases



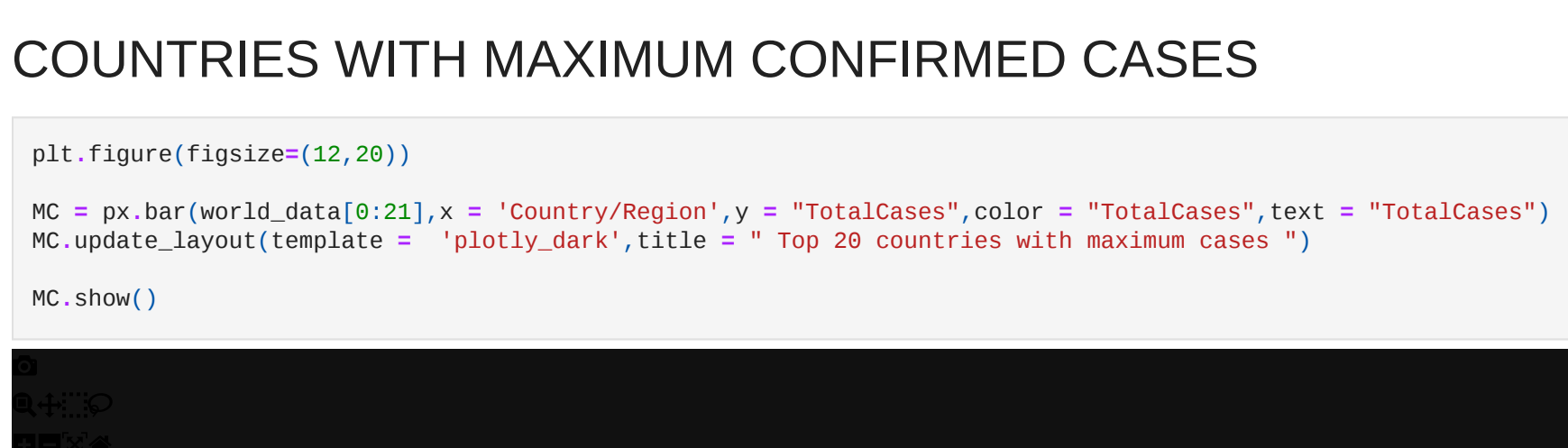
TREEMAP REPRESENTATION OF ActiveCases



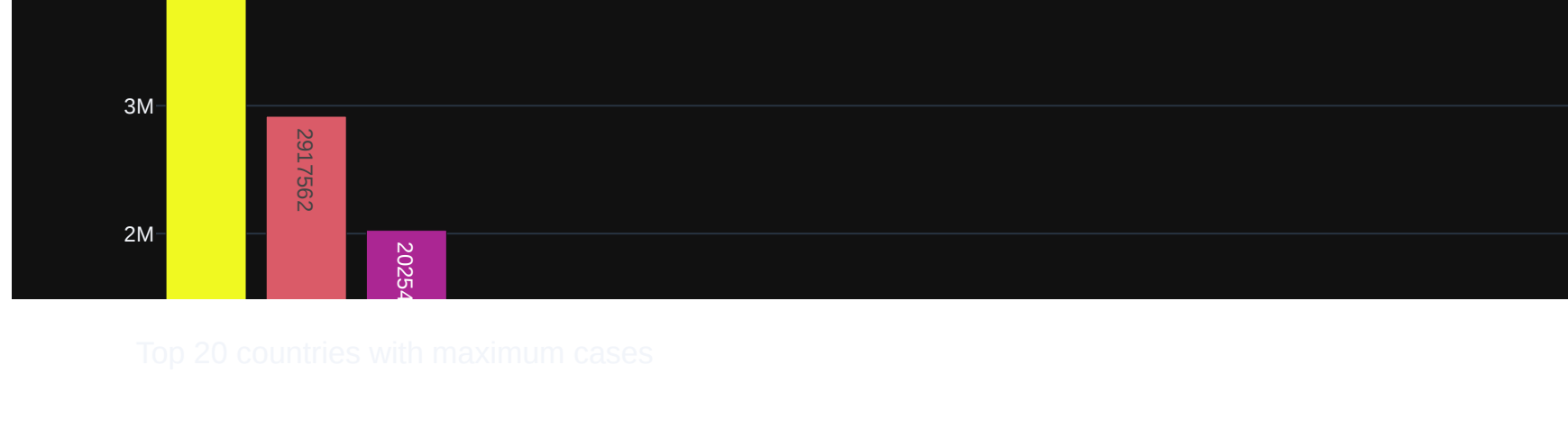
TREEMAP REPRESENTATION OF ActiveCases



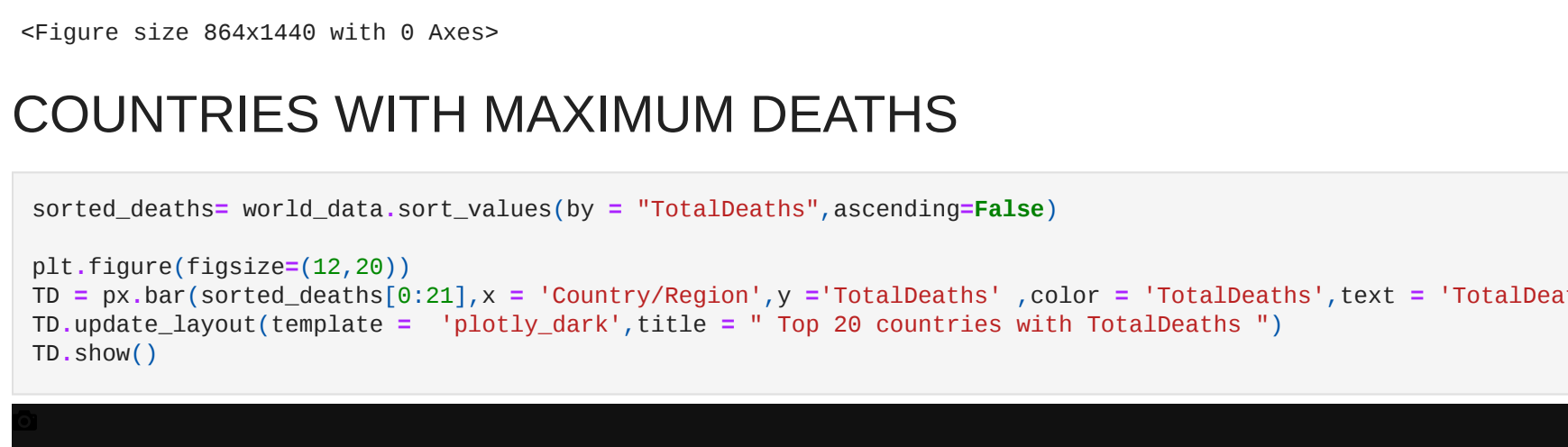
TREEMAP REPRESENTATION OF ActiveCases



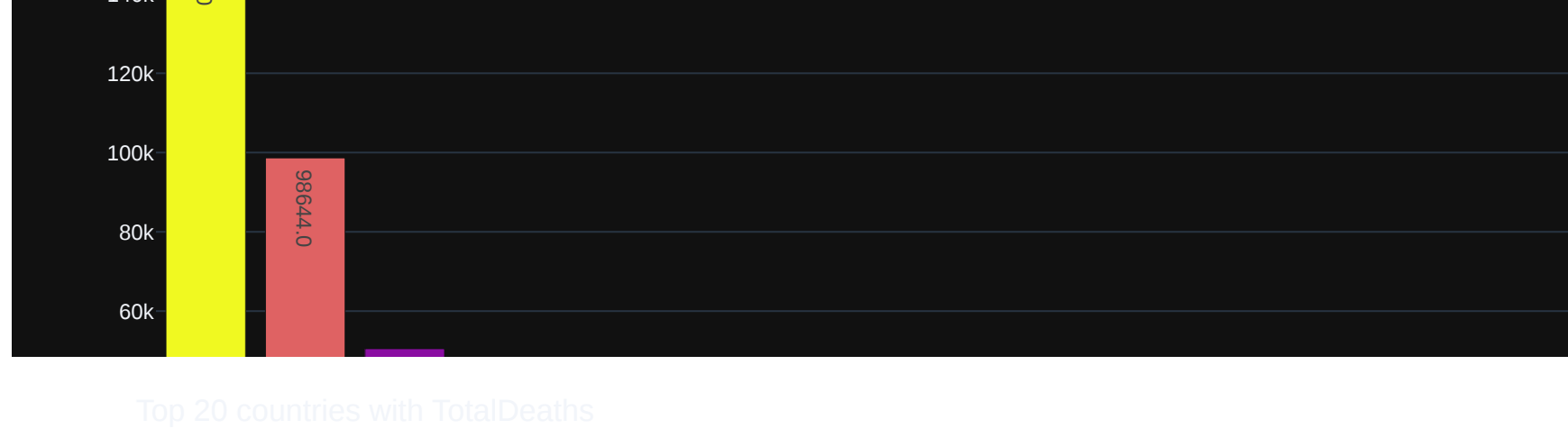
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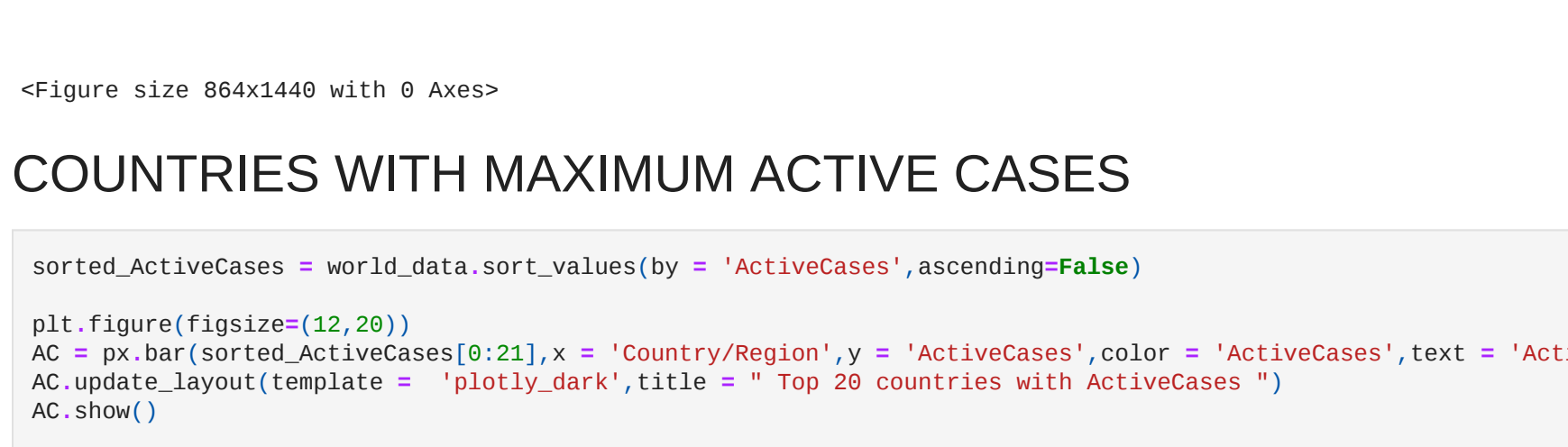
TREEMAP REPRESENTATION OF ActiveCases



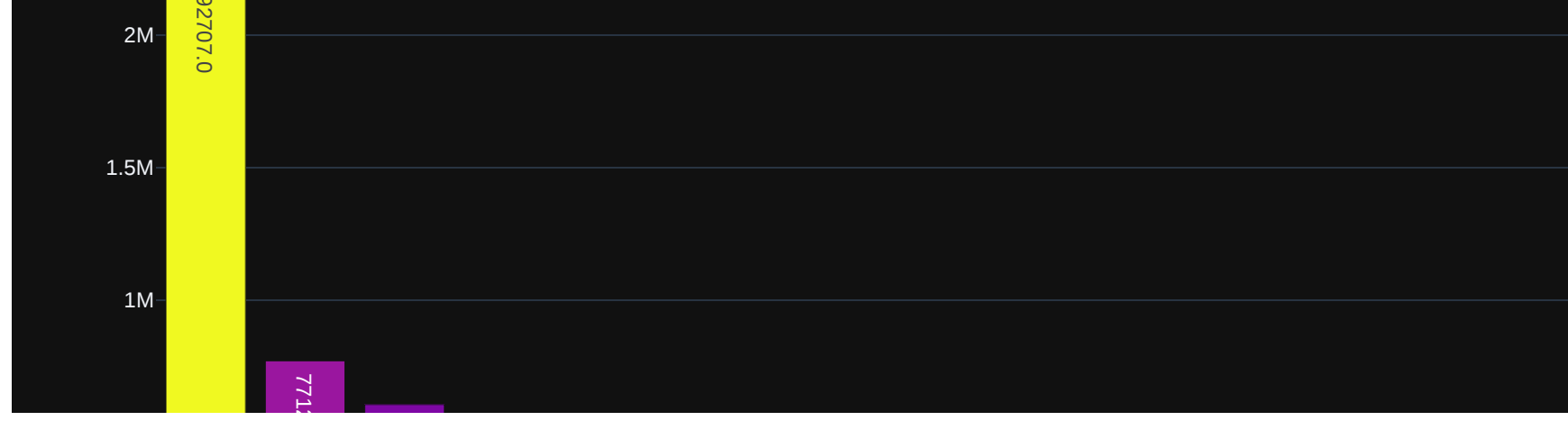
TREEMAP REPRESENTATION OF ActiveCases



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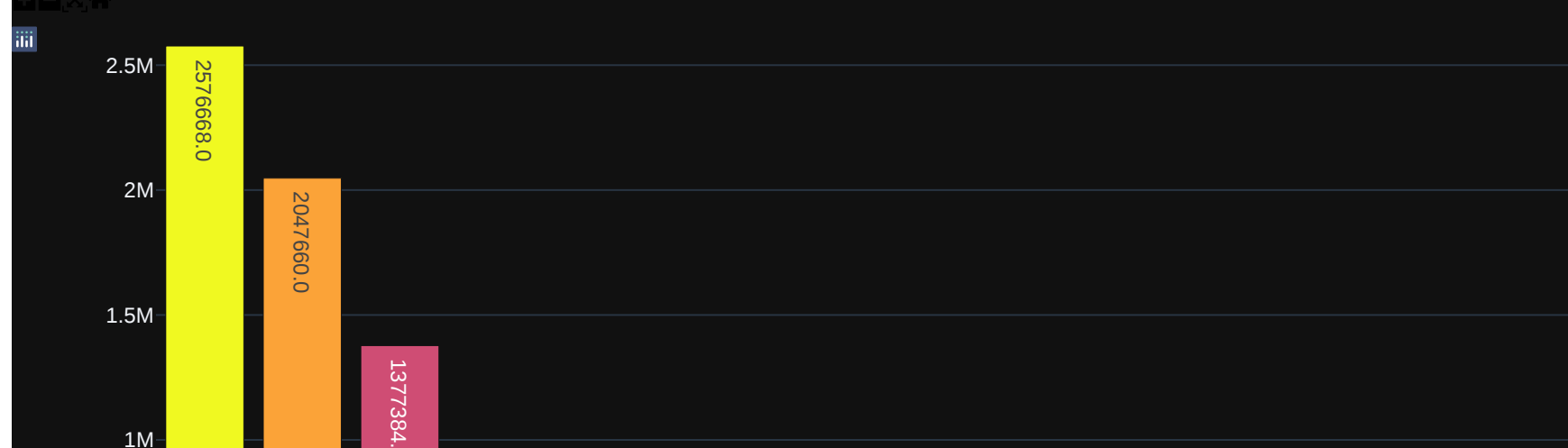
TREEMAP REPRESENTATION OF ActiveCases



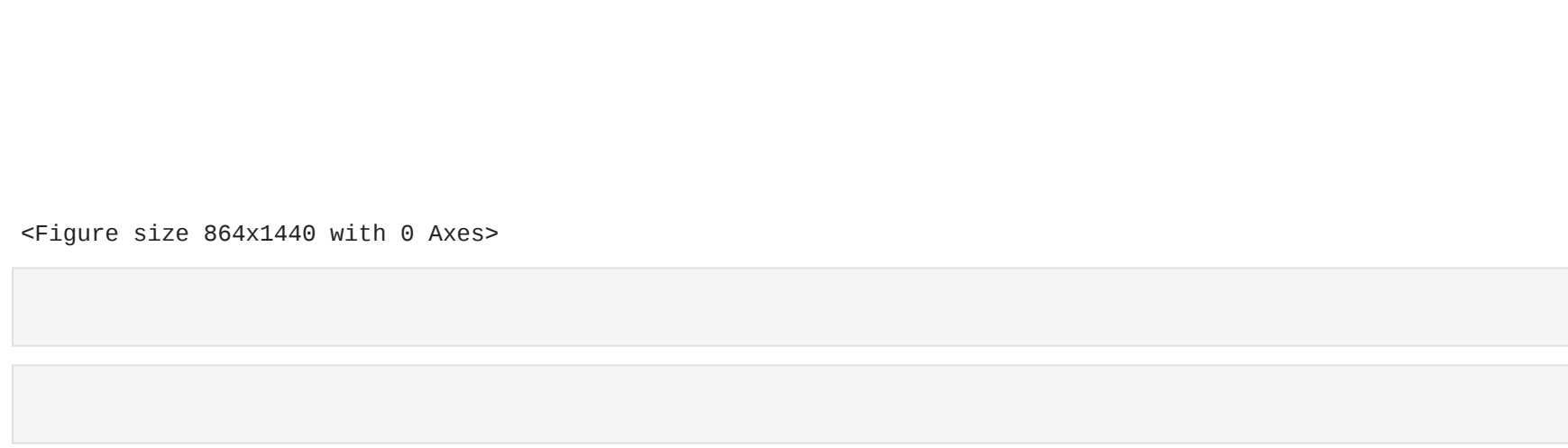
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