5-6188153657050009003

October 27, 2023

```python
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
print('Modules are imported.')
df=pd.read_csv("/Users/kisshore/Downloads/Covid_19_cases4.csv")
print(df.head())
print(df.shape)
df.drop(["dateRep","day","month","year"],axis=1,inplace=True)
print(df.head())
aggregating=df.groupby("countriesAndTerritories").sum()
print(aggregating.head())
print(aggregating.shape)
aggregating.loc["Austria"].plot()
aggregating.loc["Finland"].plot()
aggregating.loc["Cyprus"].plot()
plt.legend()
plt.show()
```

```
Modules are imported.
        dateRep  day  month  year  cases  deaths countriesAndTerritories
0    31-05-2021   31      5  2021    366       5                 Austria
1    30-05-2021   30      5  2021    570       6                 Austria
2    29-05-2021   29      5  2021    538      11                 Austria
3    28-05-2021   28      5  2021    639       4                 Austria
4    27-05-2021   27      5  2021    405      19                 Austria
(2730, 7)
   cases  deaths countriesAndTerritories
0    366       5                 Austria
1    570       6                 Austria
2    538      11                 Austria
3    639       4                 Austria
4    405      19                 Austria
                          cases  deaths
countriesAndTerritories
Austria                  184416    1925
Belgium                  288119    2696
Bulgaria                 171236    7471
```
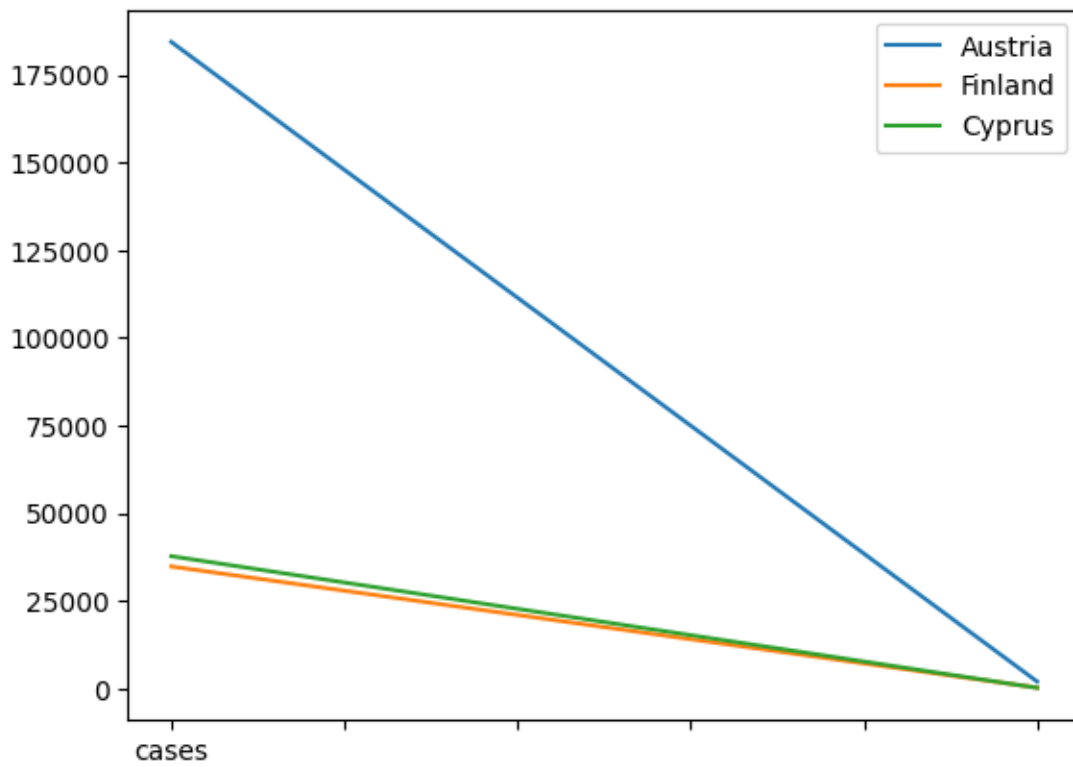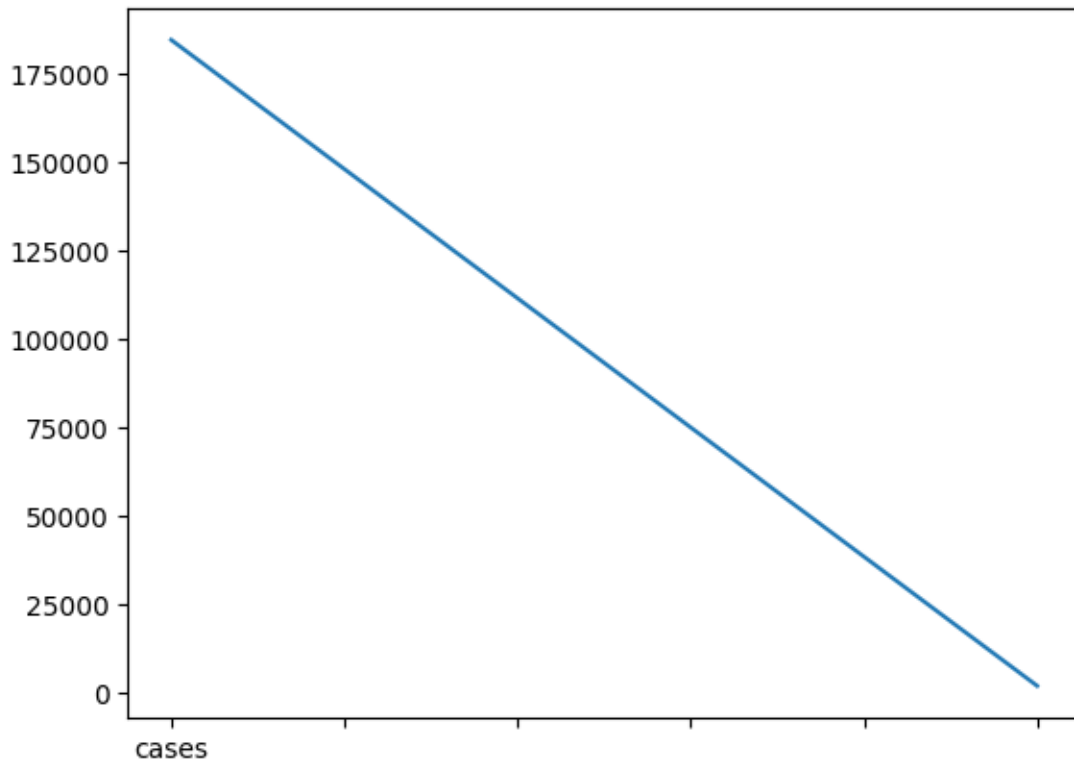
```
Croatia                    113168      2488
Cyprus                      37700       129
(30, 2)
```



```
[2]: aggregating.loc['Austria'].plot()
     plt.show()
```

```
[6]: aggregating.loc['Finland'][:3].plot()
     plt.show()
```