```
In [83]: import pandas as pd
         import numpy as np
         import matplotlib.pyplot as plt
         from matplotlib import dates as mpl_dates
```

Importing file

```
In [29]: df = pd.read_csv(r"D:\projects\covid india\covid_19_india.csv")
         df = pd.DataFrame(df)
         df.head()
```

Out[29]:

	Sno	Date	Time	State/UnionTerritory	ConfirmedIndianNational	ConfirmedForeignNational	Cure
0	1	2020-01-30	6:00 PM	Kerala	1	0	
1	2	2020-01-31	6:00 PM	Kerala	1	0	
2	3	2020-02-01	6:00 PM	Kerala	2	0	
3	4	2020-02-02	6:00 PM	Kerala	3	0	
4	5	2020-02-03	6:00 PM	Kerala	3	0	

Sorting and filtering

```
In [31]: df = df[["Date","State/UnionTerritory","Deaths"]]
         df = df.loc[(df["State/UnionTerritory"]=="Kerala")|
                     (df["State/UnionTerritory"]=="Maharashtra")|
                     (df["State/UnionTerritory"]=="Uttar Pradesh")|
                     (df["State/UnionTerritory"]=="Tamil Nadu")]
         df.tail(4)
```

Out[31]:

	Date	State/UnionTerritory	Deaths
18090	2021-08-11	Kerala	18004
18094	2021-08-11	Maharashtra	134201
18104	2021-08-11	Tamil Nadu	34367
18108	2021-08-11	Uttar Pradesh	22775

	Date	State/UnionTerritory	Deaths
17964	2021-08-07	Uttar Pradesh	22771
18000	2021-08-08	Uttar Pradesh	22773
18036	2021-08-09	Uttar Pradesh	22773
18072	2021-08-10	Uttar Pradesh	22774
18108	2021-08-11	Uttar Pradesh	22775

In [81]:
```python
df = pd.read_csv(r"D:\projects\yupman.csv")
df.tail()
```

Out[81]:

	Date	ker	mah	tn	up
2084	NaN	NaN	NaN	NaN	NaN
2085	NaN	NaN	NaN	NaN	NaN
2086	NaN	NaN	NaN	NaN	NaN
2087	NaN	NaN	NaN	NaN	NaN
2088	NaN	NaN	NaN	NaN	NaN

Dropping Nan rows and columns

In [82]:
```python
df = df.dropna(axis = 0)
df.tail()
```

Out[82]:

	Date	ker	mah	tn	up
514	8/6/2021	117.0	187.0	33.0	3.0
515	8/7/2021	187.0	128.0	30.0	1.0
516	8/8/2021	139.0	151.0	29.0	2.0
517	8/9/2021	93.0	68.0	28.0	0.0
518	8/10/2021	105.0	137.0	23.0	1.0

In [84]:
```python
plt.style.use("seaborn")
```

Plotting

In [115…
```python
x = df["Date"]
```

```python
a = df["tn"]
b = df["up"]
plt.figure(figsize=(20,15))
plt.plot(x,y, linestyle = "solid", color = "b", label = "KER")
plt.plot(x,z, linestyle = "solid", color = "r", label = "MAH")
plt.plot(x,a, linestyle = "solid", color = "g", label = "TN")
plt.plot(x,b, linestyle = "solid", color = "y", label = "UP")



plt.title("Covid-19\nDaily death trend analysis")
plt.xlabel("Date")
plt.ylabel("Death")
plt.legend()

plt.show
```

Out[115]: `<function matplotlib.pyplot.show(close=None, block=None)>`