In [1]:
```
import plotly.express as px
import plotly.graph_objects as go
import plotly.figure_factory as ff
from plotly.subplots import make_subplots
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
import math
#import folium
import random
from datetime import timedelta
import warnings
warnings.filterwarnings('ignore')
cnf='#393e46'
dth='#ff2e63'
rec='#21bf73'
act='#fe9801'
import plotly as py
py.offline.init_notebook_mode(connected=True)
```

In [2]:
```
df=pd.read_csv(r"C:\Users\HP\Desktop\BDA\BDA\Assigment 5\California_Datasets_FIXED\CA_cases_deaths_time_series.csv")
```

In [3]:
```
df.drop(['Unnamed: 0'],axis=1,inplace=True)
```

In [4]:
```
df
```

Out[4]:

	date	county	state	fips	cases	deaths
0	25-01-2020	Orange	California	6059.0	1	0
1	26-01-2020	Los Angeles	California	6037.0	1	0
2	26-01-2020	Orange	California	6059.0	1	0
3	27-01-2020	Los Angeles	California	6037.0	1	0
4	27-01-2020	Orange	California	6059.0	1	0
...	...	...	...	...	...	...
32289	24-09-2021	Tulare	California	6107.0	74142	898
32290	24-09-2021	Tuolumne	California	6109.0	6365	101
32291	24-09-2021	Ventura	California	6111.0	98292	1134
32292	24-09-2021	Yolo	California	6113.0	19359	239
32293	24-09-2021	Yuba	California	6115.0	9755	62

32294 rows × 6 columns

In [5]:
```
cases=df.groupby('date').sum()['cases'].reset_index()
```

In [6]:
```
cases
```

Out[6]:

	date	cases
0	01-01-2021	2345811
1	01-02-2020	3
2	01-02-2021	3341656
3	01-03-2020	33
4	01-03-2021	3573775
...	...	...
604	31-07-2021	4037490
605	31-08-2020	712543
606	31-08-2021	4449186
607	31-10-2020	935262
608	31-12-2020	2307860

609 rows × 2 columns

In [7]:
```
deaths=df.groupby('date').sum()['deaths'].reset_index()
```

In [8]:
```
deaths
```

Out[8]:

	date	deaths
0	01-01-2021	26236
1	01-02-2020	0
2	01-02-2021	41284
3	01-03-2020	0
4	01-03-2021	52487
...	...	...
604	31-07-2021	64417
605	31-08-2020	13020
606	31-08-2021	65863
607	31-10-2020	17661
608	31-12-2020	25965

609 rows × 2 columns

In [9]:
```
df.isnull().sum()
```

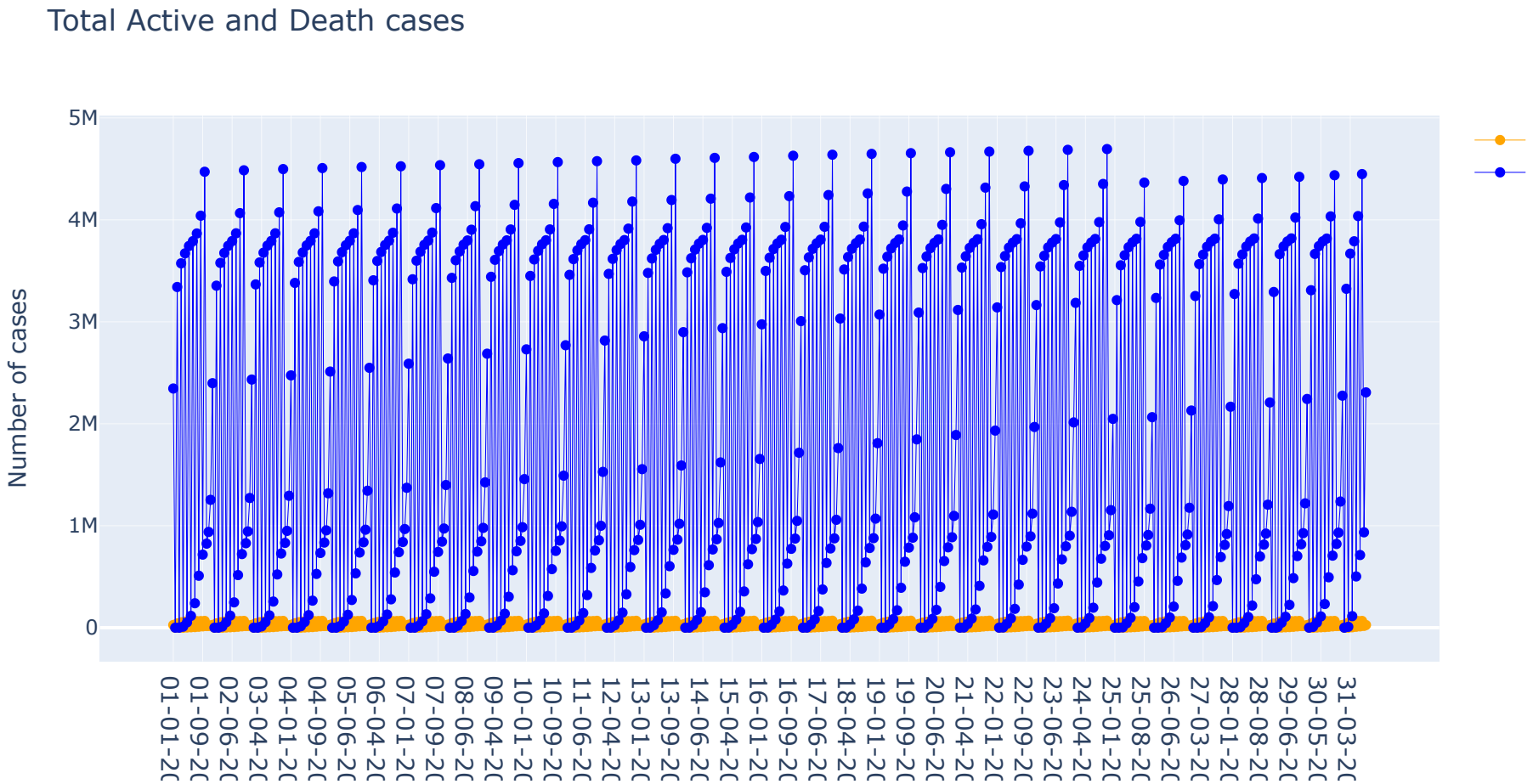
Out[9]:
```
date       0
county     0
state      0
fips      16
cases      0
deaths     0
dtype: int64
```

In [10]:
```
deaths.tail()
```

Out[10]:

	date	deaths
604	31-07-2021	64417
605	31-08-2020	13020
606	31-08-2021	65863
607	31-10-2020	17661
608	31-12-2020	25965

In [11]:
```
.Figure()
d_trace(go.Scatter(x=deaths['date'],y=deaths['deaths'],mode='lines+markers',name='Deaths',line=dict(color='orange',width=
d_trace(go.Scatter(x=cases['date'],y=cases['cases'],mode='lines+markers',name='cases',line=dict(color='blue',width=0.1))
date_layout(title='Total Active and Death cases',xaxis_tickfont_size=14,yaxis=dict(title='Number of cases'))
ow()
```



In [ ]: