

```
In [1]: import pandas as pd
import numpy as np
import plotly as py
import plotly.express as px
import plotly.graph_objs as go
from plotly.subplots import make_subplots
from plotly.offline import download_plotlyjs, init_notebook_mode, plot, ipl
import matplotlib.pyplot as plt
%matplotlib inline
```

```
In [14]: df = pd.read_csv('time_series_covid19_confirmed_global.csv')
df.head()
```

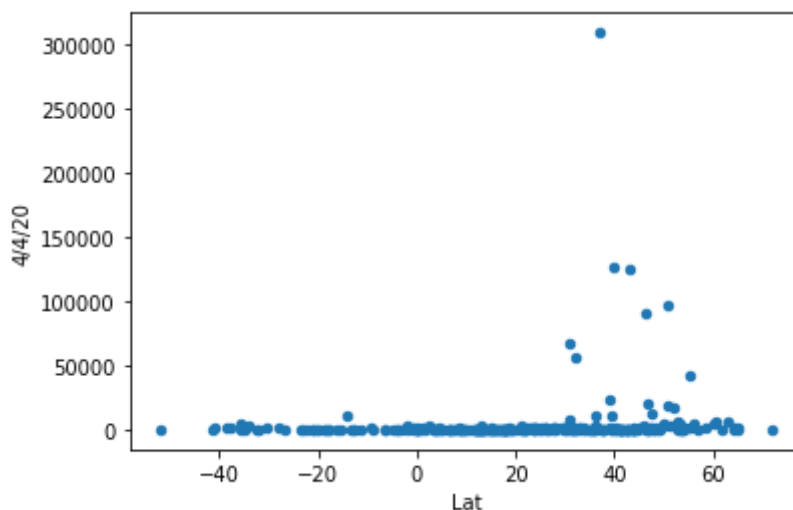
Out[14]:

	Province/State	Country/Region	Lat	Long	1/22/20	1/23/20	1/24/20	1/25/20	1/26/20	1
0	NaN	Afghanistan	33.0000	65.0000	0	0	0	0	0	
1	NaN	Albania	41.1533	20.1683	0	0	0	0	0	
2	NaN	Algeria	28.0339	1.6596	0	0	0	0	0	
3	NaN	Andorra	42.5063	1.5218	0	0	0	0	0	
4	NaN	Angola	-11.2027	17.8739	0	0	0	0	0	

5 rows x 78 columns

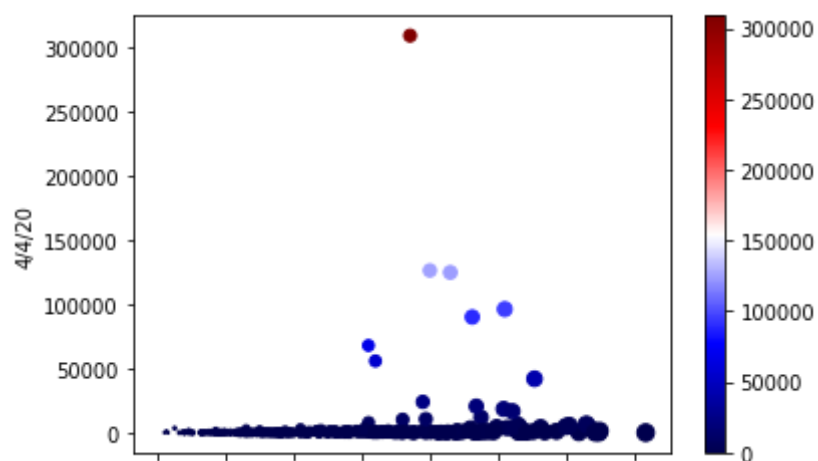
```
In [15]: df.plot.scatter('Lat', '4/4/20')
```

Out[15]: <matplotlib.axes.\_subplots.AxesSubplot at 0x1229039d0>



```
In [16]: df.plot.scatter('Lat', '4/4/20', s=df['Lat'], c=df['4/4/20'], colormap='se'
```

```
Out[16]: <matplotlib.axes._subplots.AxesSubplot at 0x12292b5d0>
```



```
In [20]: fig = px.pie(data, values = '4/4/20', names='Lat', height=500, title = 'Dis
fig.update_traces(textposition='inside', textinfo='percent+label')
fig.update_layout(
    title_x = 0.5,
)
fig.show()
```

```
In [ ]: #Conclusion:
#All of the graphs above has shown that latitude and temperature has a strong correlation with
#Covid-19. According to the graphs, the epidemic caused by the new coronavirus is spreading in
#directions, roughly at 30 ° -50 ° N. It is important for countries in this region to take
#minimize the loss.
```