## IndiaCovidMap

## Covid19

## Read Dataset of India

```
In [1]: import pandas as pd
In [2]: dataset=pd.read_csv("Covid19.csv")
In [3]: dataset.head()
Out[3]:
               Name of State Confirmed Cured Deaths
                                                    Latitude Longitude
                                               29 14.750429 78.570026
              Andhra Pradesh
                                 955
                                       145
         1 Arunachal Pradesh
                                                0 27.100399 93.616601
                                                1 26.244156 92.537842
                     Assam
                                  36
                                        19
          3
                      Bihar
                                 176
                                                2 25.785414 87.479973
                                        46
                Chhattisgarh
                                  36
                                        28
                                                0 21.295132 81.828232
In [4]: import folium
In [5]: # Take the lattitude and longitude
        # creating map
        # tiles=stamen toner/ Stamen Terain
         covidmap=folium.Map(location=[23.1188695,80.8016294,],zoom_start=5)
        covidmap
```

```
In [6]: Area=dataset[["Latitude","Longitude"]]
         Area=Area.values.tolist()
         type(Area)
         Area[0]
Out[6]: [14.7504291, 78.57002559]
In [7]: def mapping(i,color):
             folium.Marker(
                  location=point,
                  popup=f"State={dataset['Name of State'].values.tolist()[i]} Cases={dataset['Confirmed'].values.tolist()[i]} Deaths={dataset['Name of State'].values.tolist()[i]}
                  icon=folium.Icon(color=color,icon='tint')
              ).add to(covidmap)
In [8]: i=0
         for point in Area:
             if dataset['Confirmed'][i]<=500:</pre>
                  mapping(i, 'blue')
             else:
                  mapping(i, 'darkred')
             i=i+1
In [9]: covidmap
Out[9]:
```

Out[9]: اسلام آباد - بیسور کابل افغانستان Ladakh 西藏自治 昌都市 alais State=Rajasthan رکندهار Cases=1964 كونه Deaths=27 雅安 زاهدان नेपाल Kathmandu نتان سيستان و يلوچستان سگر Jaipur Uttar Prodesh 丽江市 Rajasthan Kanpuro ကချင်ပြည်နယ် (Kachin) 攀枝花市 Prayagraj Buxar Kota 云南省 Udaipur Jharkhand. বাংলাদেশ weent Kolkata Jamshedpur চটগ্রাম Indore भारत - India 普洱市 Jamnagar ရှမ်းပြည်နယ် Shan State Jalgaon Nagpur Surat Chhattisgarh မကွေး တူဆ်းတီး · Cuttack Odisha urangabad Nashik မြန်မာ ed-Waghala Maharashtra Mumbai ปะเเทด Visakhapatnam Solapur ್ಷ ဘားအဲ Karnataka uunus Davanagere Nellore ประเทศไทย Mangaluru Leaflet | Data by @ OpenStreetMap, under ODbL