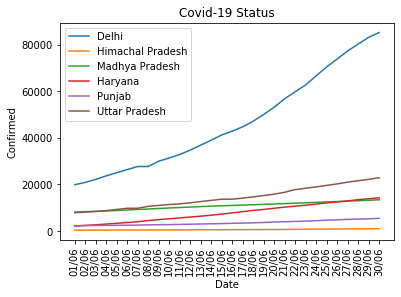
**Mini Project**

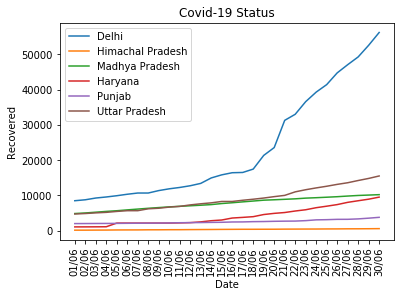
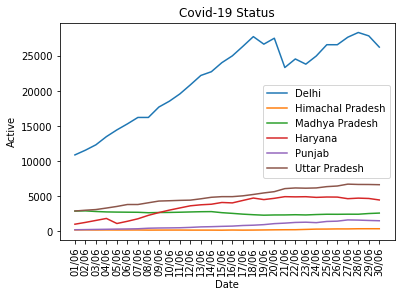
**(Comparing all neighbor the state of Delhi)**

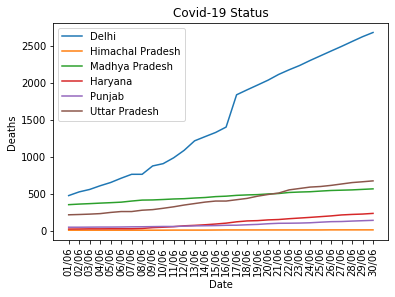
***Submitted by Golmei Shaheamlung***

**Problem statement**

The Chief Minister of the state (Delhi) wants to have a detailed overview of COVID 19 in the state for the month of June 2020 to plan the strategy for safeguarding the people of the state







**Code:**

import pandas as pd

data=pd.read\_csv('C:/Users/a/Desktop/covid\_19\_india.csv')

count=data['Sno'].count()

del\_date, hp\_date, mp\_date, har\_date, pun\_date, up\_date = [],[],[],[],[],[]

del\_confirmed, hp\_confirmed, mp\_confirmed, har\_confirmed, pun\_confirmed, up\_confirmed = [],[],[],[],[],[]

del\_death, hp\_death, mp\_death, har\_death, pun\_death, up\_death = [],[],[],[],[],[]

del\_cured, hp\_cured, mp\_cured, har\_cured, pun\_cured, up\_cured = [],[],[],[],[],[]

del\_active, hp\_active, mp\_active, har\_active, pun\_active, up\_active = [],[],[],[],[],[]

for i in range(count):

if data['State/UnionTerritory'][i]=='Delhi':

date=(data['Date'][i])[:5]

if(int(date[3:5])==6):

del\_date.append(date)

del\_confirmed.append(data['Confirmed'][i])

del\_death.append(data['Deaths'][i])

del\_cured.append(data['Cured'][i])

del\_active.append(data['Confirmed'][i]-data['Cured'][i]-data['Deaths'][i])

elif data['State/UnionTerritory'][i]=='Himachal Pradesh':

date=(data['Date'][i])[:5]

if(int(date[3:5])==6):

hp\_date.append(date)

hp\_confirmed.append(data['Confirmed'][i])

hp\_death.append(data['Deaths'][i])

hp\_cured.append(data['Cured'][i])

hp\_active.append(data['Confirmed'][i]-data['Cured'][i]-data['Deaths'][i])

elif data['State/UnionTerritory'][i]=='Madhya Pradesh':

date=(data['Date'][i])[:5]

if(int(date[3:5])==6):

mp\_date.append(date)

mp\_confirmed.append(data['Confirmed'][i])

mp\_death.append(data['Deaths'][i])

mp\_cured.append(data['Cured'][i])

mp\_active.append(data['Confirmed'][i]-data['Cured'][i]-data['Deaths'][i])

elif data['State/UnionTerritory'][i]=='Haryana':

date=(data['Date'][i])[:5]

if(int(date[3:5])==6):

har\_date.append(date)

har\_confirmed.append(data['Confirmed'][i])

har\_death.append(data['Deaths'][i])

har\_cured.append(data['Cured'][i])

har\_active.append(data['Confirmed'][i]-data['Cured'][i]-data['Deaths'][i])

elif data['State/UnionTerritory'][i]=='Punjab':

date=(data['Date'][i])[:5]

if(int(date[3:5])==6):

pun\_date.append(date)

pun\_confirmed.append(data['Confirmed'][i])

pun\_death.append(data['Deaths'][i])

pun\_cured.append(data['Cured'][i])

pun\_active.append(data['Confirmed'][i]-data['Cured'][i]-data['Deaths'][i])

elif data['State/UnionTerritory'][i]=='Uttar Pradesh':

date=(data['Date'][i])[:5]

if(int(date[3:5])==6):

up\_date.append(date)

up\_confirmed.append(data['Confirmed'][i])

up\_death.append(data['Deaths'][i])

up\_cured.append(data['Cured'][i])

up\_active.append(data['Confirmed'][i]-data['Cured'][i]-data['Deaths'][i])

# Import the necessary packages and modules

import matplotlib.pyplot as plt

# Plot the data

plt.plot(del\_date, del\_confirmed, label='Delhi')

plt.plot(del\_date, hp\_confirmed, label='Himachal Pradesh')

plt.plot(del\_date, mp\_confirmed, label='Madhya Pradesh')

plt.plot(del\_date, har\_confirmed, label='Haryana')

plt.plot(del\_date, pun\_confirmed, label='Punjab')

plt.plot(del\_date, up\_confirmed, label='Uttar Pradesh')

# Add a legend

plt.legend()

plt.title('Covid-19 Status')

plt.xlabel('Date')

plt.ylabel('Confirmed')

plt.xticks(rotation=90)

# Show the plot

plt.show()

# Import the necessary packages and modules

import matplotlib.pyplot as plt

# Plot the data

plt.plot(del\_date, del\_death, label='Delhi')

plt.plot(del\_date, hp\_death, label='Himachal Pradesh')

plt.plot(del\_date, mp\_death, label='Madhya Pradesh')

plt.plot(del\_date, har\_death, label='Haryana')

plt.plot(del\_date, pun\_death, label='Punjab')

plt.plot(del\_date, up\_death, label='Uttar Pradesh')

# Add a legend

plt.legend()

plt.title('Covid-19 Status')

plt.xlabel('Date')

plt.ylabel('Deaths')

plt.xticks(rotation=90)

# Show the plot

plt.show()

# Import the necessary packages and modules

import matplotlib.pyplot as plt

# Plot the data

plt.plot(del\_date, del\_cured, label='Delhi')

plt.plot(del\_date, hp\_cured, label='Himachal Pradesh')

plt.plot(del\_date, mp\_cured, label='Madhya Pradesh')

plt.plot(del\_date, har\_cured, label='Haryana')

plt.plot(del\_date, pun\_cured, label='Punjab')

plt.plot(del\_date, up\_cured, label='Uttar Pradesh')

# Add a legend

plt.legend()

plt.title('Covid-19 Status')

plt.xlabel('Date')

plt.ylabel('Recovered')

plt.xticks(rotation=90)

# Show the plot

plt.show()

# Import the necessary packages and modules

import matplotlib.pyplot as plt

# Plot the data

plt.plot(del\_date, del\_active, label='Delhi')

plt.plot(del\_date, hp\_active, label='Himachal Pradesh')

plt.plot(del\_date, mp\_active, label='Madhya Pradesh')

plt.plot(del\_date, har\_active, label='Haryana')

plt.plot(del\_date, pun\_active, label='Punjab')

plt.plot(del\_date, up\_active, label='Uttar Pradesh')

# Add a legend

plt.legend()

plt.title('Covid-19 Status')

plt.xlabel('Date')

plt.ylabel('Active')

plt.xticks(rotation=90)

# Show the plot

plt.show()