	DAV Test Date/_/_
	OIIV OS
	Covid - 19
	import numpy as np
	import pandas as pd
	import matplottle pyplot as plt
	% matylitlib inline
	# Load dataset ""
	dataset_url = "./covid_19_india.csv"
	of = pd. read_csv (dataset_url)
	at (1 day) I be her has have taken at his - yet
	Jarka x x day
1	+1 10 10 10 (1101) >= 12020-05-01°
3.5	three_months_df = df [(df['Date']) >= 12020-05-01')
704	& (df['Dote'] < '2020-08-01')]
1 12	But all the self of the self o
	cured = three_months_off. groupby (['State/UnionTerrity
]) ['Date', 'Cured']. max()
	cured
1	deaths = theree_months_df. groupby (['State/UnionTerritory],
	[Date', 'Deathe']. max()
	deaths
	confirmed = there - months - of grouppy [['State 1] him Territory']
	['Date', 'Confirmed']. max ()
	confirmed
	Yoyo

4. filtered_df_2020 = extracted_df [(extracted-df ['year'] == 2020) & (extracted_df ['month'] == 5) & (extracted - of ['State / UnionTerritory] · isin [['Karnataka', 'Delhi', 'Madhya Pradesh']))] · groupby (['year', 'State / Union erridony') . as _ index = False). sum () filtered_df_2021 = extracted_df [extracted_df ['your'] == 2021) & (extracted-off [month'] 22 5) & (extracted-of [State | UnionTerritory'] · isin ([Kornotaka, Delli), Madhya Pradesh')) = folse). sum() plt. figure (figsize = (15,5)) plt. bar (filtered-df-2020 ['State / Union Territory'] feltered do _ 20 20 ['Deathe'], color = 'r'] pet: bar (filtered-dp_ 202) [State / Union Territory ?] foltered - of 2021 ['Deaths'], color = 'b', bottom = filtered off 2020 ['Death']) plt. xlabel ("States") plt yldel ("Deaths due to (ond-19") plt. logand ([" May 2020", "May 2021"]) plt. title ("Deaths due to Covid-19 in the months of May 2020 and May 2021 for the States Kornataka, Delha, and Madhya Pradesh") plt. show ()

5. up_data = extracted_df [entracted_df ['State/ UnionTerritory'] == "Uttar Pradush"] up_data

up-data = up-data group by [['year', 'month'],

as -index = False). sum ()

up-data ['period'] = up-data ["year"]. astype (str) +

"-" + up-data ["month"]. astype (str)

up-data

correlation = up-data ["(onfirmed"].corr (up-data ["Deaths"])

correlation

from motplotlib. pyplot import figure figure (figsize = (15, 10), dpi=80)

plt. plot (up-dota['period'], up-dota['Confirmed'],

lobel = 'Confirmed')

plt. plot (up-dota['period'], up-dota['Deathe'],

lobel = 'Deathe')

plt. dagend ()

plt. ditle ("(orrelation: " + correlation. astype (sdr))

plt. show ()