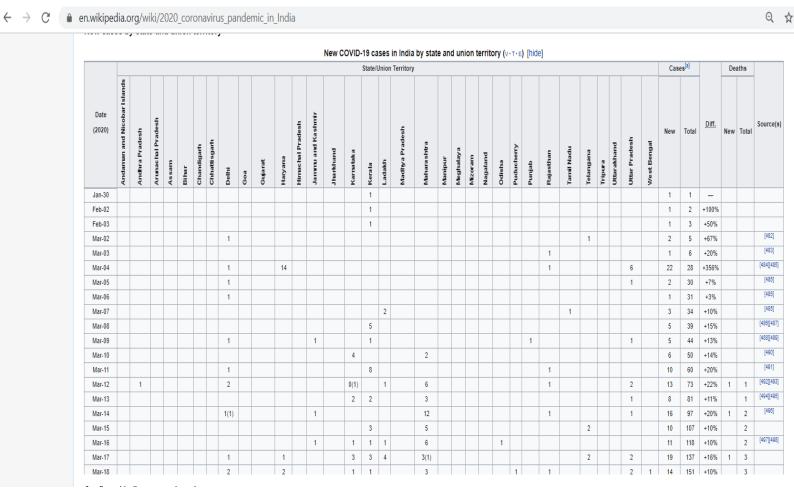
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Subject: Applied Data Science Capstone (Data section)

Title: Analysis on Covid-19 in India

Data is most essencial component of any data science project. After searching stuffs in internet I came up with one table in Wikipedia page https://en.wikipedia.org/wiki/2020 coronavirus pandemic in India.



This table is what actually I want. It contains day to day record of corona cases in all states of the India from first case in record in India. It has all data which is necessary to do various kind of analysis. It contains each day cases and deaths of all states, Difference from previous day recorded data, states total cases and death and whole country's total deaths and cases.

I scrap the Wikipedia web page with help of BeautifulSoup python library and convert it in pandas dataframe. Finding particular table require some trial and error. Some code in below image.



This raw data table has lot's of missing values. If there is no cases or death record for particular day that have null value. I have to convert it into zero(0). And most of data is 'object' Datatype and most of is 'string'. From string data type we can't do exploratory analysis of data.

Some of the data is in weird format like below image. Which I have to convert in appropriate format.

	56(2)	82(3)	60(2)	106(2)	36	80	82	1259	31
	0	0	0	0	0	0	0	1	_
	0	0	1	0	0	0	2	38	1
	12[d]	22	28	52	23	26	69	346	2
	1	0	0	1	2	0	10	40	_
	0	0	0	0	1	0	0	37	_
	75	92(1)	128(2)	138(3)	111(1)	293	190	3108	54
	0	0	0	0	0	0	0	7	_
	206(18)	135(8)	217(9)	191(15)	256(6)	230(18)	247(11)	3548	162

There are many operation which you will find out in notebook. After this visualization of data I am using foursquare API to find top highest rated hospitals in state in which corona cases is highest.

I found out that Maharashtra state has highest cases in india and particular Mumbai city. So I use foursquare to find highest rated hospital in Mumbai.

I wil use folium and geopy python library to visualization and find location of particular address. You can see step by step explanation and code in Notebook.