

HEALTHCARE FACILITIES IN DELHI AND MUMBAI

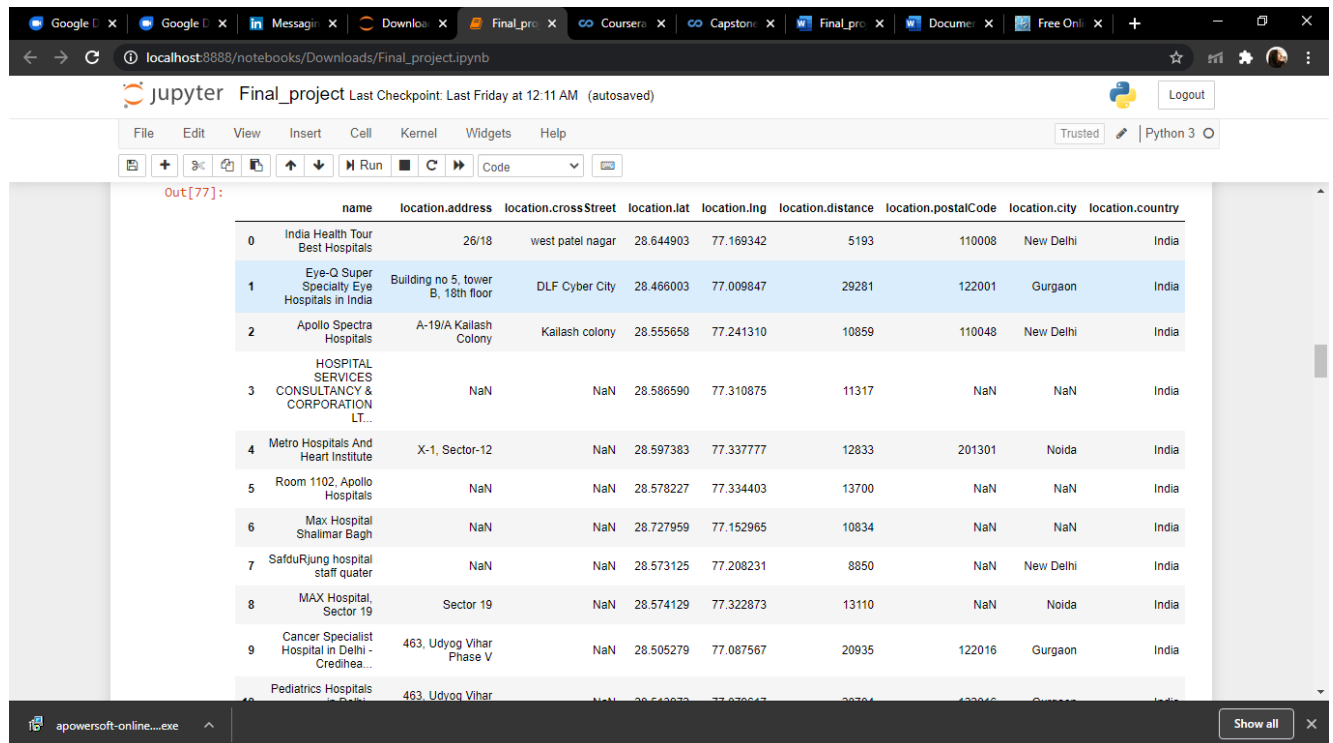
-A Coursera Capstone by Vidushi Jha

- DATA

The Data that we need in this project will be provided by Foursquare API. We need the number of Healthcare facilities in Delhi and Mumbai using the Foursquare API by generating a URL and hitting the requests on the Foursquare.com. The url may look like this :

['https://api.foursquare.com/v2/venues/search?&client_id={}&client_secret={}&v={}&ll={},{}&query=hospitals'.format\(CLIENT_ID, CLIENT_SECRET, VERSION, LATITUDE, LONGITUDE\)](https://api.foursquare.com/v2/venues/search?&client_id={}&client_secret={}&v={}&ll={},{}&query=hospitals'.format(CLIENT_ID, CLIENT_SECRET, VERSION, LATITUDE, LONGITUDE))

And the Data that we would get will be in the form of JSON, so we have to normalize that data and convert it into pandas dataframe. After cleaning the dataset, the dataframe might look something like this:



The screenshot shows a Jupyter Notebook interface with a browser window at the top displaying various tabs like Google, Message, Download, Final_project, Coursera, Capstone, Final_project, Document, Free Online, and a plus sign for more. The address bar shows 'localhost8888/notebooks/Downloads/Final_project.ipynb'. The Jupyter Notebook title is 'Final_project' with a last checkpoint of 'Last Friday at 12:11 AM (autosaved)'. The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running code, and a dropdown menu currently set to 'Code'. The main area displays the output of a code cell, labeled 'Out[77]:', which is a pandas DataFrame containing hospital data. The DataFrame has 10 columns: 'name', 'location.address', 'location.crossStreet', 'location.lat', 'location.lng', 'location.distance', 'location.postalCode', 'location.city', and 'location.country'. The data is presented in a table with alternating light blue and white rows. The first row is highlighted in light blue. The data includes hospitals from New Delhi, Gurgaon, Noida, and Delhi.

	name	location.address	location.crossStreet	location.lat	location.lng	location.distance	location.postalCode	location.city	location.country
0	India Health Tour Best Hospitals	26/18	west patel nagar	28.644903	77.169342	5193	110008	New Delhi	India
1	Eye-Q Super Specialty Eye Hospitals in India	Building no 5, tower B, 18th floor	DLF Cyber City	28.466003	77.009847	29281	122001	Gurgaon	India
2	Apollo Spectra Hospitals	A-19/A Kailash Colony	Kailash colony	28.555658	77.241310	10859	110048	New Delhi	India
3	HOSPITAL SERVICES CONSULTANCY & CORPORATION LT...	NaN	NaN	28.586590	77.310875	11317	NaN	NaN	India
4	Metro Hospitals And Heart Institute	X-1, Sector-12	NaN	28.597383	77.337777	12633	201301	Noida	India
5	Room 1102, Apollo Hospitals	NaN	NaN	28.578227	77.334403	13700	NaN	NaN	India
6	Max Hospital Shalimar Bagh	NaN	NaN	28.727959	77.152965	10834	NaN	NaN	India
7	SafduRjung hospital staff quarter	NaN	NaN	28.573125	77.208231	8850	NaN	New Delhi	India
8	MAX Hospital, Sector 19	Sector 19	NaN	28.574129	77.322873	13110	NaN	Noida	India
9	Cancer Specialist Hospital in Delhi - Credih...	463, Udyog Vihar Phase V	NaN	28.505279	77.087567	20935	122016	Gurgaon	India
10	Pediatrics Hospitals	463, Udyog Vihar	NaN	28.505279	77.087567	20935	122016	Gurgaon	India