



Off-Site Meeting Plan

AGRA & JAIPUR

Introduction

Year 2020 we face pandemic through out the world. Current year 2021 bring new challenges and promises. Vaccine right around the corner.

We can see reaching back to office and schools and be with friends. This will provide eagerly awaited opportunity to reconnect with friends and office colleagues.

This study is for people planning[#] to visit historic sites at Agra, Jaipur.

[#] Including offices team planning off-site meeting, students or for that matter any group of people planning for travel.

Data

We will be using three API:

Covid-19 API providing state & district wise data.

- https://api.covid19india.org/v2/state_district_wise.json

FourSquare API to explore venues in district

- [https://api.foursquare.com/v2/venues/explore?&client_id={} &client_secret={} &v={} &ll={},{} &radius={} &limit=](https://api.foursquare.com/v2/venues/explore?&client_id={} &client_secret={} &v={} &ll={},{} &radius={} &limit={})

Zomato API to explore restaurants options near our historic point of interest.

- [https://developers.zomato.com/api/v2.1/search?q=](https://developers.zomato.com/api/v2.1/search?q={})

Methodology

First we get all data for Covid-19 cases using covid-19 API using URL:

Now, using these filters of Covid-19 related case we will find historic venues and restaurants near the sites.

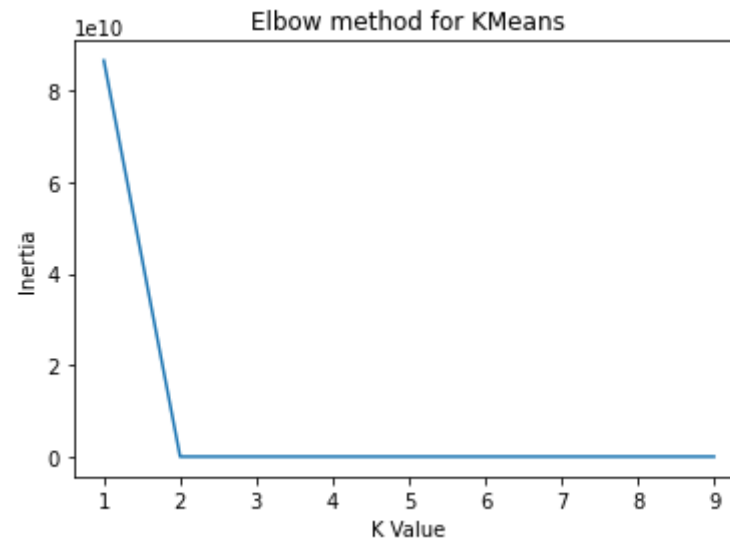
Using Zomato API we get restaurants with-in district of Agra & Jaipur

We will visualize using Folium Maps

Finally, we will make cluster of our restaurants using KMeans

Statistical Testing

Finally, we confirm our segment (clusters) using KMeans



Results section

Four Square reported below main categories:

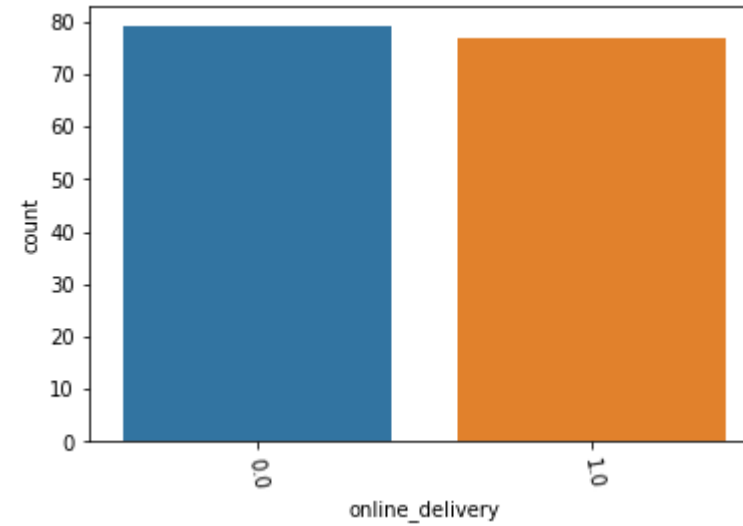
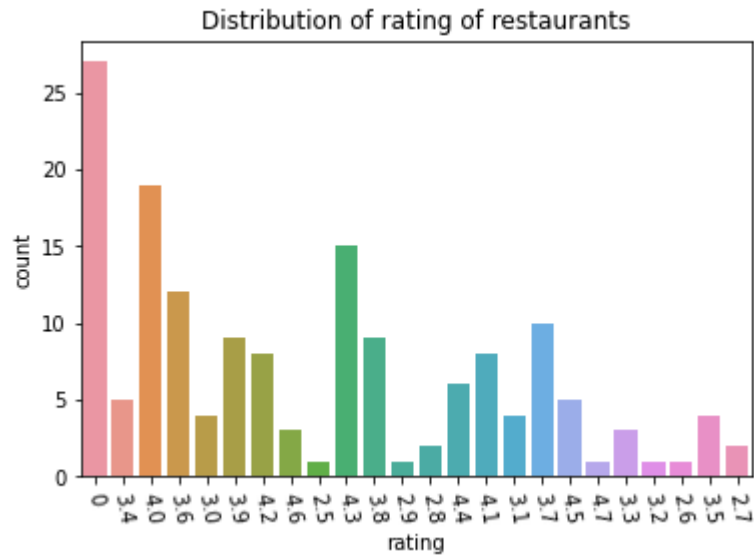
Hotel	37
Indian Restaurant	22
Café	14
Historic Site	8
Coffee Shop	6
Restaurant	5
Italian Restaurant	4
Pizza Place	4
Market	3
Arts & Crafts Store	3
Bakery	3
Bistro	2
Tea Room	2
Hostel	2
Ice Cream Shop	2

Total 932 records were returned for Agra & Jaipur district data.

venue.name	venue.categories	district
Agra Fort आगरा का किला اگڑہ قلعہ (Agra Fort)	Historic Site	Jaipur
Taj Mahal ताज महल تاج محل (Taj Mahal)	Historic Site	Jaipur
Tomb of Itimad ud Daulah Baby Taj	Historic Site	Jaipur
Hawa Mahal हवा महल (Hawa Mahal)	Historic Site	Agra
Jantar Mantar	Historic Site	Agra
City Palace	Historic Site	Agra
Statue Circle	Historic Site	Agra
Nahargarh Fort	Historic Site	Agra

Historic sites reported by FourSquare

Results section



Discussion section

There are five historic sites in Agra and three historic sites in Jaipur.

If this initially analysis is successful. We can expand this to explore more venue types returned from FourSquare API.

Also, we can expand our filters for Zomato API to find venues near the site we choose to visit.

Finally, we can map the distance to travelled for each site visit.

Conclusion section

Q1	Q2	Q3	Q4
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Thank You