

Photography Workshop

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Introduction

ABC Events is a company based in Mumbai for organizing events, It plans to conduct a photography workshop for 5 days for a group of interested applicants from India in Mumbai. The company has to put a good program, including a hotel of residence, places of landscape to visit and click photos and restaurants. So the company's purpose is to make a list of hotels, the nearest restaurants, parks for each place. And finally give the participants a map of the list of places.

Data Description

The data used in this project is provided by Foursquare location data. The data are grouped by landscape area, and each area included the information about this area and all information about restaurants, hotels, and parks which in this area.

Methodology

The location of the workshop event was specified as '16 Gunbow Street, Mumbai' and based on this location corresponding latitude and longitude of the event location were obtained using the Foursquare API. Location details of nearby hotels were obtained which the participants could use for staying during the period of the workshop. These hotels were selected chosen such that the hotels had the same postal code as the event location.

```
In [41]: # choose the hotel which has the same postalCode with the event space
df_hotel = df_hotels[df_hotels.postalCode == '400001']
df_hotel
```

Out[41]:

	name	categories	address	lat	lng	postalCode	state
0	Residency Hotel	Hotel	26, Corner of D.N. Road and Rustom Sidhwa Marg...	18.934978	72.833481	400001	Mahārāshtra
21	Benazeer Hotel	Hotel	16 Gunbow Street	18.935140	72.833948	400001	Mahārāshtra

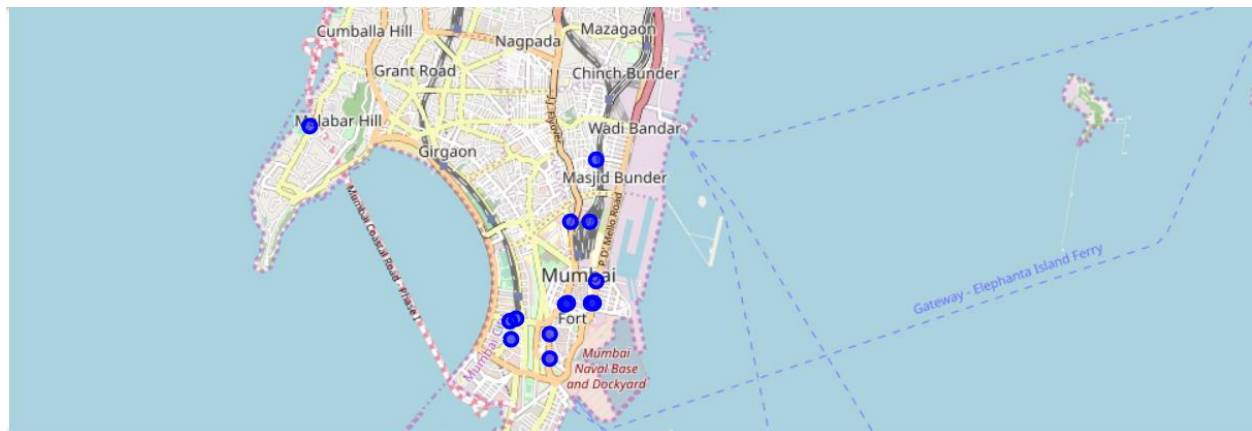
As part of the workshop photo-walks were planned by ABC Events. They decided upon a number of parks, places of landscape and a few restaurants for these photo-walks. Then Generate map to visualize Hotels, Parks and Restaurants and how they cluster together.

Result

The required list of hotels, parks and restaurants were obtained and map showing the places for participants were obtained.

	name	categories	address	lat	lng	postalCode	state
0	Residency Hotel	Hotel	26, Corner of D.N. Road and Rustom Sidhwa Marg...	18.934978	72.833481	400001	Mahārāshtra
1	Benazeer Hotel	Hotel	16 Gunbow Street	18.935140	72.833948	400001	Mahārāshtra
2	Nanumal Bhoiraj Restaurant - Fort	Indian Restaurant	Near GPO, Fort, VT	18.937974	72.837663	400001	Mahārāshtra
3	Stadium Restaurant & Stores	Indian Restaurant	Veer Nariman Road	18.933173	72.826929	400023	Mahārāshtra
4	Iran Like Restaurant	Indian Restaurant	Palton Road, Near Haj House	18.945343	72.836809	400001	Mahārāshtra
5	Nanumal Bhoiraj Restaurant - Masjid Bunder	Indian Restaurant	Gaumukh Bhawan, Masjid Bunder West, Near Masji...	18.953200	72.837577	400009	Mahārāshtra
6	National Restaurant	Food	opp fort market	18.935112	72.836896	400001	Mahārāshtra
7	Ustaadi Restaurant	Lounge	B Block, Sitaram Building	18.945482	72.834270	400001	Mahārāshtra
8	Fountain Sizzlers Restaurant	Indian Restaurant	57 Mahatma Gandhi Road	18.931366	72.831462	400 023	Mahārāshtra
9	Excellensea Restaurant	BBQ Joint	Mint Road	18.935266	72.837240	400001	Mahārāshtra
10	Gaylord Restaurant	Indian Restaurant	V. N. Road	18.932948	72.826127	400 020	Mahārāshtra
11	Samrat Veg Restaurant	Vegetarian / Vegan Restaurant	J. D. Tata Road	18.930674	72.826320	400 020	Mahārāshtra
12	Khyber Restaurant	Indian Restaurant	Kalaghoda, 145 Mahatma Gandhi Rd	18.928134	72.831541	400 023	Mahārāshtra
13	Priyadarshini Park	Park	Nepean Sea Road	18.957515	72.799614	400006	Mahārāshtra
14	Harish Mahindra Children's Park	Park	Breach Candy, Behind American Consulate	18.914867	72.823688	400026	Mahārāshtra

List of Hotels, Parks and restaurants for workshop



Generated cluster map

Conclusion

In this project, list of places for the photography workshop were obtained by using the foursquare API and plotted using the folium library.