Visiting Mexico City

Introduction

The Historic Center of Mexico City is one of the most important tourist places in the country. In that place different stages of the history of the city and the country converge, from pre-Columbian age to modern Mexico.

There are many activities to do and places to visit, such as museums, concerts, restaurants, colonial churches, including archaeological sites. Therefore, it is possible to get lost in a world of activities. This project offers a small guide to visit those beautiful places for tourists with little limited.
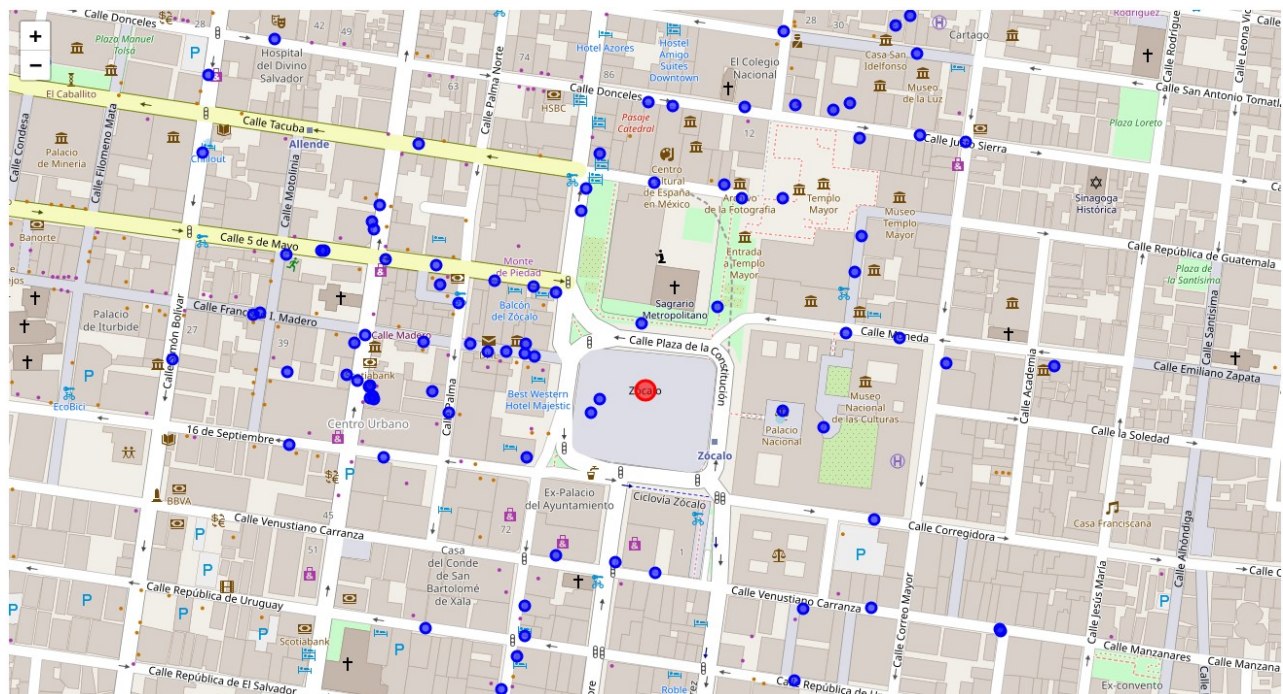

- Problem

If you have a few free hours and don't know it, you need a simple guide to choose what to do in your free time. This project helps you find various places of interest and you can choose between them and search for others.

Data acquisition and cleaning

We need to start somewhere, so one of the most iconic points of interest is the Zócalo. From that point, it is possible to move to different historical buildings, museums, restaurants, shops etc. In this place we need the data of the nearby places, such as coordinates, direction, etc. Since then, Mexico City is the city with the most museums in the world, we began to search museums near the Zocalo on the Foursquare platform.
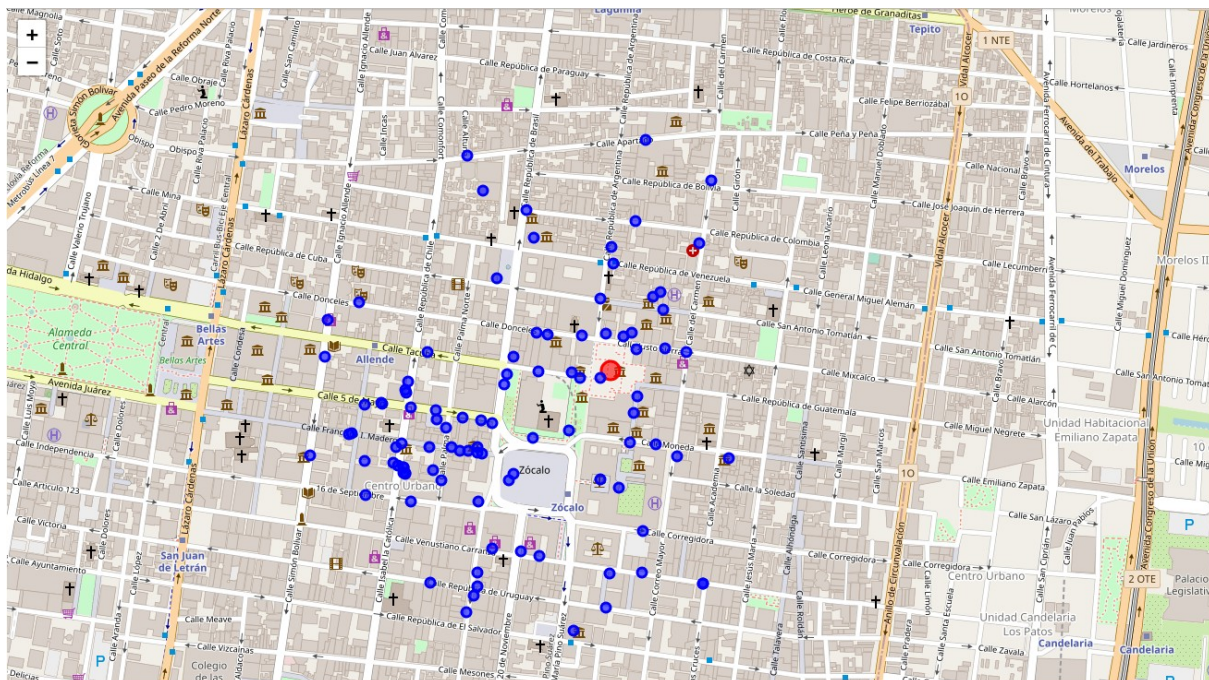
As you have a little time we look for museums close to you, less than 300 meters. In the next dataframe

	name	categories	address	crossStreet	lat	lng	labeledLatLngs	distance	postalCode	cc	city	state	country	formattedAddress	id
0	Museo Nacional de las Culturas	History Museum	Moneda 13	Carmen	19.433382	-99.130355	[{'label': 'display', 'lat': 19.43338157326819...	300	06060	MX	Cuauhtemoc	Distrito Federal	México	[Moneda 13 (Carmen), 06060 Cuauhtémoc, Distrit...	4cad0e4cf47ea1431fce9621
1	Museo Mexicano Del Diseño (MUMEDI)	Museum	Francisco I. Madero 74	Entre Palma y Monte de Piedad	19.433322	-99.134482	[{'label': 'display', 'lat': 19.433322461270977...	149	06000	MX	Cuauhtemoc	Distrito Federal	México	[Francisco I. Madero 74 (Entre Palma y Monte d...	4ba69b67f964a5206c6239e3
2	Museo de Arte de la Secretaría de Hacienda y C...	Art Museum	Calle Moneda 4	NaN	19.433714	-99.130973	[{'label': 'display', 'lat': 19.43371370157261...	249	NaN	MX	Centro de la Ciudad de México.	Distrito Federal	México	[Calle Moneda 4, Centro de la Ciudad de México...	4f621c4ce4b071dd73b2f621
3	Museo del Templo Mayor	History Museum	Seminario 8	República de Guatemala	19.434839	-99.131642	[{'label': 'display', 'lat': 19.43483927659205...	274	06060	MX	Cuauhtemoc	Distrito Federal	México	[Seminario 8 (República de Guatemala), 06060 C...	4b058701f964a520c47a22e3
4	Museo Archivo de la Fotografía	Museum	Rep de guatemala 34	NaN	19.434873	-99.132247	[{'label': 'display', 'lat': 19.43487288030743...	246	NaN	MX	Ciudad de México	Distrito Federal	México	[Rep de guatemala 34, Ciudad de México, Distri...	4c01566658dbc9286f27ee6b
5	Museo De La Caricatura	History Museum	donceles	argentina	19.435801	-99.132701	[{'label': 'display', 'lat': 19.43580128107716...	333	06000	MX	Downtown	Distrito Federal	México	[donceles (argentina), 06000 centro, Distrito ...	4c30fbc9213c2d7f474e335d
6	Museo del Antiguo Colegio del Arzobispo	Art Museum	Calle Modena 4	NaN	19.433473	-99.131788	[{'label': 'display', 'lat': 19.43347293765575...	160	NaN	MX	NaN	NaN	México	[Calle Modena 4, México]	52d81dd4498e5be03d932970
7	Museo A Benito Juárez	Art Gallery	NaN	NaN	19.433499	-99.132193	[{'label': 'display', 'lat': 19.4334985362557,...	125	NaN	MX	NaN	NaN	México	[México]	5291289a498e53c63f361dde

We show the museums near your location on the map. One of the most important museums in Mexico is the Museo del Templo Mayor, which also has an archaeological site. Suppose you choose this museum.

From that place we can look for other places that you can visit, a restaurant where you can eat or simply places where you can relax.

Conclusion

This project helps a tourist with little time to find places to visit. For example, looking for museums near a location. After that, we search for other places, such as restaurants, another museum, or site of interest.