Applied Data Science Capstone

Final Project - Attractions in Jerusalem City

Idan, January 2021.

Business Problem

- The purpose of this work is - getting a quick view of popular types of venues in the city of Jerusalem, Israel.
- Audience for this problem can be Jerusalem city council, tourists or travel guides.

Data Acquisition and Cleaning

- List of one hundred venues in Jerusalem - name, location and category of each venue.

- The source of the data is Foursquare website.

- Data cleaned from NaN values.

Data After Cleaning

	name	categories	lat	lng
0	King David Hotel Jerusalem	Hotel	31.774344	35.222368
1	Café Yehoshua (קפה יהושע)	Café	31.772894	35.214717
2	Talbia Wine Bar	Wine Bar	31.768507	35.215987
3	Hansen House (בית הנסן)	Community Center	31.767722	35.216951
4	Independence Park (גן העצמאות)	Park	31.777131	35.219459

Top 10 Categories

- Most common categories are cafe and hotel.

	Category	number of times
0	Café	10
1	Hotel	9
2	Bar	5
3	Middle Eastern Restaurant	5
4	Park	4
5	Historic Site	4
6	Pizza Place	3
7	Mediterranean Restaurant	3
8	Burger Joint	3
9	History Museum	3

Distribution of Popular Categories

- Distribution of most common categories - those who appear at least 3 times.

Venues Categories Distribution in Jerusalem
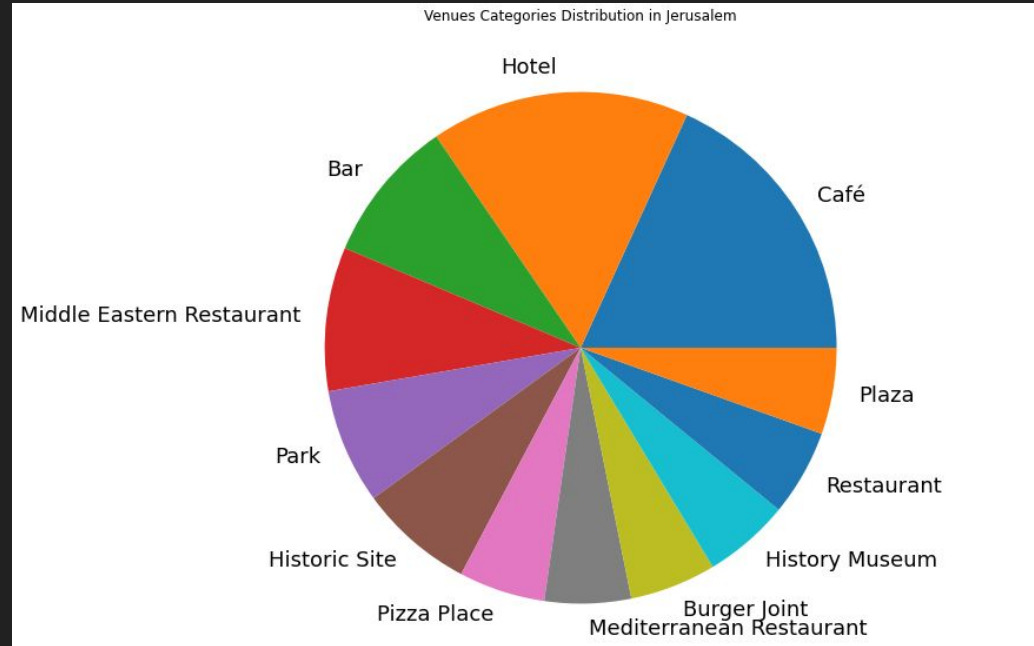
Conclusions

- The main conclusions are:

  - This city is very varied in venues categories (43 categories for only 100 venues!).

  - The most common venues are cafes and hotels.