

IBM [Watson] Data Science Certification

LAS VEGAS nightlife.
A Foursquare Project

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MAY.2020



OBJECTIVE

This project is aimed to make your travel experience to Las Vegas Simple by Providing all nearby locations of nightlife fun spots with help of Foursquare datasets.



Problem Statement

Many people come to Las Vegas each day and have trouble in choosing between the best and the not so known night out places. Here I and other foursquare users would try and help them with their tips and ratings for each place and help people enjoy most of their time rather fear losing something in the fake casinos

Pipeline

1. Geojson data for Las Vegas's neighborhood,

2. Analyze the data using the Foursquare API,

3. K-Means clustering to identify areas and its categories.

Foursquare is a technology company that uses location intelligence to build meaningful consumer experiences and business solutions.

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The D Las Vegas Casino Hotel	Casino	301 Fremont St	US	Las Vegas	United States	NaN	264	[301 Fremont Las Vegas, NV 89101, United
Fremont Hotel & Casino	Casino	200 Fremont St	US	Las Vegas	United States	btwn N Casino Center Blvd & N 3rd St	318	[200 Fremont (btwn N Casino Center Blvd &
Four Queens Hotel & Casino	Casino	202 Fremont St	US	Las Vegas	United States	at Casino Center Blvd	378	[202 Fremont Casino Center Blvd), Las V..
The Plaza Hotel & Casino	Casino	1 S Main St	US	Las Vegas	United States	at Fremont St	640	[1 S Main St (Fremont St), Las Vegas, NV 89
Casino Hotel		St		Vegas	States		216	[301 Fremont Las Vegas, NV 89101, United

Data set preprocessed

0	36.170300	-115.145285	0	Golden Nugget Hotel & Casino
1	36.169655	-115.142732	2	The D Las Vegas Casino Hotel
2	36.170871	-115.143137	2	Fremont Hotel & Casino
3	36.170266	-115.143992	1	Four Queens Hotel & Casino
4	36.171398	-115.146687	2	The Plaza Hotel & Casino
5	36.169804	-115.142873	0	LONGBAR at the D Casino Hotel
6	36.171004	-115.146532	2	Golden Gate Hotel & Casino
7	36.171440	-115.145727	1	Las Vegas Club Hotel & Casino
8	36.168892	-115.139025	1	El Cortez Hotel & Casino

Data set processed for clustering

10	36.170845	-115.143974	2	Sports Book at Fremont Casino
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Conclusion

We built a project with the help of Foursquare quality to allow tourists to easily decide where to go when they are in a specific city.

Using Foursquare data set I have successfully created a way to know all the location information handy, information such as casinos, cafes and hotels, venues are easily accessible using data science methodology.