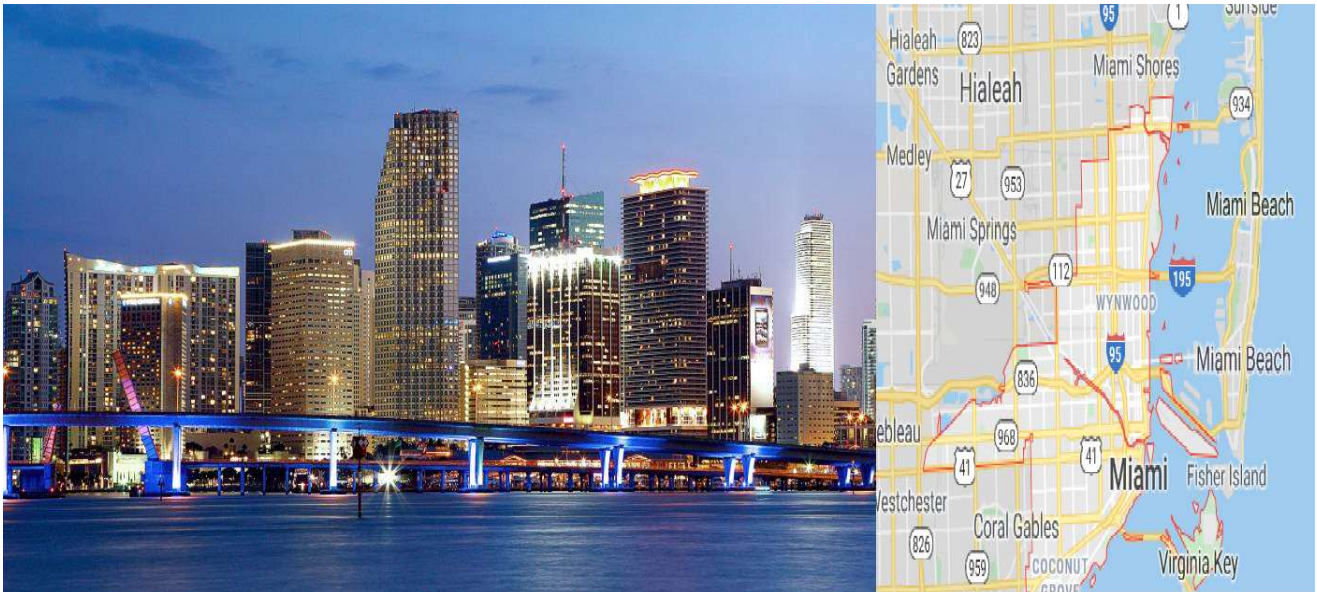


## Miami Neighborhood Analysis to setup a Restaurant



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Date: 01/26/2020

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## Introduction

Miami is the cultural, economic and financial center of South Florida in the United States. Miami is the sixth most densely populated major city in the United States .The Miami metropolitan area is home to 6.1 million people, the second-most populous in the southeastern United States and the seventh-largest in the nation. The city has the third tallest skyline in the U.S.

Miami is a major center and leader in finance, commerce, culture, media, entertainment, the arts, and international trade.The metro area is by far the largest urban economy in Florida and the 12th largest in the United States. Miami was ranked seventh in the United States and 31st among global cities in terms of business activity, human capital, information exchange, cultural experience, and political engagement. According to a UBS study of 77 world cities, the city was ranked as the third-richest in the United States and the eighth-richest in the world in terms of purchasing power.

Greater Downtown Miami has one of the largest concentrations of international banks in the United States, and is home to many large national and international companies. The Health District is a major center for hospitals, clinics, and the biotechnology and medical research industries. PortMiami is the busiest cruise port in the world in both passenger traffic and cruise lines, and refers to itself as the "Cruise Capital of the World".Miami is also a major tourism hub for international visitors, ranking second in the country after New York City.

## Problem Statement

As Miami is one of the richest metropolitan city in United States , A Company “ABC” wants to setup a restaurant in Miami. They want to find a best suitable place to setup a restaurant. They need below details about the Miami

- What are the different Neighborhood
- How the population in each neighborhood
- What are the different venues currently available in each neighborhood
- Group the similar neighborhood based on the Venues .

If Company has the above details, it will help them in identifying the suitable place to setup the Restaurant

## Data used for the Analysis

To find the details mentioned in the problem statement, below data source being used.

- Data from Wikipedia .

Url: [https://en.wikipedia.org/wiki/List\\_of\\_neighborhoods\\_in\\_Miami](https://en.wikipedia.org/wiki/List_of_neighborhoods_in_Miami)

using the above URL ,below data is extracted

	Neighborhood	Population2010	Population/Km <sup>2</sup>	latitude	longitude
0	Allapattah	54289	4,401	25.815	-80.224
1	Arts & Entertainment District	11033	7,948	25.799	-80.190
2	Brickell	31759	14,541	25.758	-80.193
3	Buena Vista	9058	3,540	25.813	-80.192
4	Coconut Grove	20076	3,091	25.712	-80.257
5	Coral Way	35062	4,496	25.750	-80.283
6	Design District	3573	3,623	25.813	-80.193
7	Edgewater	15005	6,675	25.802	-80.190
8	Flagami	50834	5,665	25.762	-80.316
9	Grapeland Heights	14004	4,130	25.792	-80.258
11	Liberty City	19725	3,733	25.832	-80.225
12	Little Havana	76163	8,423	25.773	-80.215
13	Lummus Park	3027	3,680	25.777	-80.201
14	Overtown	6736	3,405	25.787	-80.201
15	Park West	4655	3,635	25.785	-80.193
16	The Roads	7327	4,899	25.756	-80.207
17	Virginia Key	14	-	25.736	-80.155
18	West Flagler	31407	4,428	25.775	-80.243
19	Wynwood	7277	2,983	25.804	-80.199

- Venue details from the FOURSQUARE API

<https://api.foursquare.com/>