

# IBM Data Science Capstone Project

OPENING AN INDIAN  
RESTAURANT IN  
ATLANTA, GA

BY: Ritu Jindal



## DATA

- List of top suburbs in Atlanta
- List of Venues in Atlanta
- Demographics of Indians in Atlanta

## DATA SOURCES

- List of Atlanta suburbs Data from (<https://metroatlantasuburbs.com/communities>)
- Nearby Venues Data created using Foursquare API (<https://api.foursquare.com/v2/venues/>)
- The Demographics Data is scraped from (<http://zipatlas.com/us/ga/city-comparison/percentage-indian-population.htm>)
- Latitude and Longitude values are obtained using the Geocoder package in python.

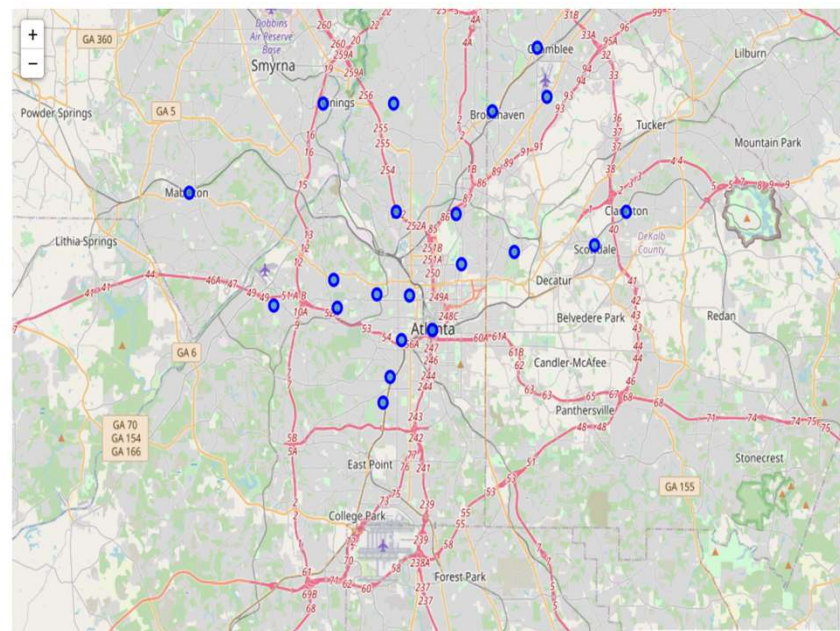
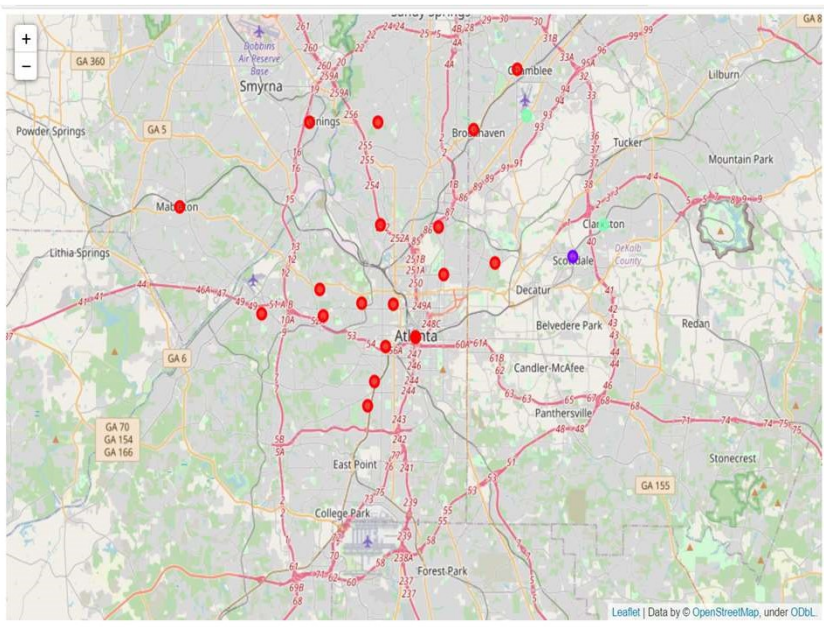
# DATASET

	<i>Neighborhood</i>	<i>Latitude</i>	<i>Longitude</i>
<b>0</b>	ALPHARETTA	34.075400	-84.294550
<b>1</b>	ACWORTH	33.748310	-84.391110
<b>2</b>	BROOKHAVEN	33.860242	-84.343902
<b>3</b>	BUCKHEAD	33.864340	-84.421050
<b>4</b>	BUFORD	33.867475	-84.301335
<b>5</b>	CANTON	33.782170	-84.368030
<b>6</b>	CLARKSTON	33.809080	-84.239620
<b>7</b>	CHAMBLEE	33.892919	-84.308789
<b>8</b>	CUMMING	33.711105	-84.428905
<b>9</b>	DECATUR (CITY)	33.748310	-84.391110
<b>10</b>	DECATUR/EMORY	33.788090	-84.326624
<b>11</b>	DORAVILLE	33.933843	-84.302249



# FOLIUM MAPS

The geographical coordinate of Atlanta, Georgia 33.7489924, -84.3902644.



## RESULTS

- Cluster 0: places having no Indian Restaurant
- Cluster 1: places having moderate no. of Indian Restaurant
- Cluster 2: places having maximum no. of Indian Restaurants

The results of the clustering are visualized in the map below with cluster 0 in red color, cluster 1 in purple color, and cluster 2 in mint green color.

## CONCLUSION

- The neighborhoods in cluster 0 are the most preferred locations to open an Indian Restaurant.
- Findings of this project will help stakeholders to open an Indian Restaurant at best location while considering other factors such as ambience, menu, hygiene.

THANK  
YOU