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1. **Introduction/Business Problem:**

There will be huge ambiguity for the investor to start Indian food restaurants while choosing appropriate place to establish. In this project I selected two places namely Birmingham and Atlanta. As before entering the project as a we have already had some idea that Atlanta have more Indian community and but simultaneously huge competition in the perspective of business.

In this project I have selected two popular places in both areas and checks which area have more Indian food restaurants, using the data I am going to draw some conclusions of which place is better to start Indian food business.

1. Data:

For this project I did use the foursquare APIs to collect the data and drawn conclusions. The information I gathered using foursquare is location data address, longitude, latitude, postal code, venue id and category.

Using this query search I got the list of restaurants in those places. I did use the URL to send a request to the API to explore a area. In the first step I used geocoder to point a location. Then searched for Indian food means venue.

'https://api.foursquare.com/v2/venues/search?client\_id={}&client\_secret={}&ll={},{}&v={}&query={}&radius={}&limit={}'.format(CLIENT\_ID, CLIENT\_SECRET, latitude, longitude, VERSION, search query, radius, LIMIT).

After this step get request using json file. Then transforming the json file into a panda’s data frame. Then finally exploring and visualize using maps.

1. Methodology:

The two main address I have taken here are:

1. 75 14th St NE, Atlanta, GA
2. 1820 5th Ave S, Birmingham, AL

The main data I got from the above search are:

For the first place :

1. Results:
2. Discussions:
3. Conclusion: