

Background :

A Recommendation System for restaurant Contractors

- Restaurant managers in Hyderabad would like to explore the Hyderabad area to see what kind of venues exist and what kind of restaurants will be suitable for the neighborhood
- Transportation service providers would like to see which areas in Hyderabad would need time crucial transportation services especially perishables
- Residents of Hyderabad would like to know about the kind of restaurants available in Hyderabad and know where specialty restaurants like Thai Restaurant or Vietnamese restaurants are available
- Residents of South, Hyderabad would like to see the most common venues in their area

Problem Description :

- Restaurant contractors specialize in managing the supply chain for restaurants in consumables like groceries, bakery items, fruits, dairy products and other consumables.
- Contractors in Hyderabad would like to see which areas in Hyderabad have high revenue potential
- The objective is to explore the areas in Hyderabad holding huge earning potential where their services could be used to full extent
- The contractors would also like to focus on the South area of Hyderabad and examine areas in and around the neighborhood of South Hyderabad which provides more service opportunities.
- The contractors want to build a storage unit for the groceries they buy from villagers and farmers inside the borough and also reduce the transportation costs for the Restaurant owners with Transportation logistic services

Data Description :

To choose a right location and serving type, effective data analysis is essential.

1. Demography of different location – (<https://mygov.in/>)

- Geospatial coordinates csv file of the neighborhoods using the Geocoder package, having geographical coordinates of each postal code: http://cocl.us/Geospatial_data
- <https://api.foursquare.com> api is used to get Location details like venues

2. Restaurants and their types in different locations

3. Cuisine type served by competitors or restaurants

