A Recommendation System to Select the Area to Rent a House

Part1: Problem Description:

Across the world, cities contain the major populations. People move across the cities/countries due to job change and personal reasons. Many times people not aware about the new cities infrastructures and best neighborhood to live that city. It will tough to select the location to live my meeting all the criteria's. Many people come with different needs, like Family people may look for good schools nearby and Markets, Shops, Park etc. Bachelor's looks mainly for restaurants, gym, pubs, theatres, shopping malls etc. People who have small kids and elderly parents may look for hospitals, yoga centers close by.

The idea is developing the recommendation system to suggest best neighborhood to live in the city based on the user's requirements.

Part2: Data We Need

For this particular project we will consider Bangalore, India as city and find the best neighborhood to live in. Bangalore city is selected due to following reasons. Bangalore is known as IT hub of India. So many people will come to Bangalore due to their job change from different cities or with in the city they may move to other location of the city for new job or better school or some of the amenities not available in their current location. So its difficult to understand the Neighborhood in the Bangalore due to different culture of people live there.

We use FOURSQUARE API to explore about the Bangalore city and make suggestion to the user. This approach can be used to any other city in the world as well. FOURSQUARE API provides helps to explore all the venues around the particular location. We use explore most of the neighborhoods in Bangalore using FOURSQUARE data and find the best place for the user.