Locations for New Indian Restaurants in San Jose

2.0 Data

2.1 Data sources

We construct a lattice centered around Downtown San Jose. The points on the lattice will represent the potential neighbourhoods. We will obtain the data from the following sources to obtain the relevant information.

- Automatically create the center of potential venues and use the **Google Maps Geocoder API** to find the addresses of those areas
- Use the **Foursquare API** to find the number of restaurants and their type and location in every neighbourhoood
- Use **Google Maps Geocoder API** to find the approximate address of Downtown San Jose (e.g. around Market and 1st probably)

2.2 Feature selection

Considering the problem definition, lets identify the relevant features that will influence our estimate of a prospective venue's desirability :

- How many existing restaurants are in the neighbourhood (any type)
- Quantity of Indian restaurants in the neighbourhood
- Distance of Indian restaurants from our prospective venue
- Distance between venue address and downtown San Jose