Effect of Local Services on Rental Prices in Bangalore City

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1 Data

1.1

Firstly, we'll need the data containing all neighbourhoods of Bangalore city with the rental prices.

This data is available on url: `https://www.makaan.com/price-trends/property-rates-for-rent-in-bangalore`.

We use simple read html method of pandas library to extract the tables and merge them row wise. We drop the rows for neighbourhoods where all fields for rental prices are empty since they are useless for our analysis.

1.2

We need the latitude and longitude of all these neighbourhoods. We make use of the Google search engine to find coordinates of each neighbourhood and BeautifulSoup package to extract the coordinates from the results page.

1.3

Then, we need the data for local venues for which we use FourSquare API: `https://www.foursquare.com`.

We extract the categories list. We have grouped the categories into 4 major categories: food services, shopping venues, leisure spots/recreational centres and general services. We fill in each of the fields with the number of venues providing that service in the concerned neighbourhood.

You can view the data extraction and processing code along with the dataframe heads at: `https://github.com/sahilinneurospace/Capstone/blob/master/week4_notebook.ipynb`