Bengaluru Real Estate Data Analysis

A Capstone Project for Applied Data Science Capstone – IBM/Coursera

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Version: Week 4 Version 2

Data

Based on the problem stated in the Introduction file, following are the factors which influence in the analysis:

1. Neighborhood Site Price Data in Rupees per Square Feet.
2. Kaveri Water Availability in each neighborhood based on the number of days it is available in a week.
3. The Data of each Neighborhood including latitudes and longitudes for venue extraction from Foursquare API
4. The Venue data for proximity from a given neighborhood coordinates.

Following are the data sources where data will be extracted:

1. Real Estate price data from websites like Makaan, MagicBrics, 99 Acres and Housing.com
2. Kaveri water availability from the website of Bangalore Water Supply and Sewage Board.
3. Bengaluru ward data from BBMP.
4. Venue data from Foursquare API

Given below is a brief description to solve the Problem:

1. Collect Data from all sources.
2. Clean the data.
3. Extract the venue details from Foursquare API.
4. Analyze the data.
5. Cluster using K-Means Clustering.
6. Plot choropleth maps.
7. Create Dashboard.
8. Analyze the clusters and get proper inferences.