The Battle of Neighborhoods Based on Housing Prices

COURSERA CAPSTONE FINAL PROJECT REPORT

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1.INTRODUCTION:

1.1.Background:

Housing is the basic necessity of human beings. Whenever a person or company gains some surplus in income or profits, their first priority to get abode of their own or improve their dwelling or expand their enterprises. Despite the increase in the housing project, the demand-supply equilibrium cannot be achieved. Everyone has a different set of reservations over their choice in buying their dream house. Some people cannot afford their own house, they are in need of an affordable house and some have concerns over the locality and facilities near their house.

1.2.Problem

The NYC Property Sales dataset is a record of every building or building unit (apartment, etc.) sold in the New York City property market over a 12-month period. This housing sales dataset will provide trends in housing prices and can be useful in predicting sales price.

This project also aims at selecting the houses or apartments in a borough-based on housing prices and explore the neighborhoods of each borough and cluster venues into a group of top 10 venues in each neighborhood using the K Means clustering technique and using FourSquare API to get the venue around a neighborhood.

1.3.Interest

A person who is considering to buy an apartment, office space, condos etc. in real estate based on his choice of location in Newyork will be interested in getting the best at the sale price. He also would be interested in the locality around the house interested in and would explore neighborhoods and venues around the neighborhood.