

Coursera Capstone

IBM Applied Data Science Capstone

A Recommendation System for The Foreigners Want to Buy House in Pakistan



Abstract:

This project is basically a recommendation system for a foreigner. This system will analyze the Zameen.com provided data for the properties in different cities of Pakistan and then ask the client or foreigner what's his or her budget to buy a house and in which city he wants to buy. According to the Zameen.com there are total 168K houses , flats , rooms , upper and lower portions are for sale in different cities of Pakistan. Our system will first clean the data provided by the Zameen.com then make a cluster of the data in the asked city then based on the clusters which cluster will have lower average sale value than the system will use Foursquare API to analyze each house in particular cluster. Finally our recommendation will be based on number of important daily life venues like Banks, ATM, Schools,

Introduction:

There are total millions of houses, plats , separate rooms , upper portions etc are sale on different websites in Pakistan. Whenever a new foreigner wants to buy a house or for rent he or she will get confused where to look for the data or info. The best thing he or she can do is to ask any real state agent for the prices and details but asking a real state agent is not beneficial why? Because real state agent will have information only for houses available under his or hers supervision. And going to each of these real state agent is very difficult. So the best way is to get the data , clean it and then analyze it according to the instructions of that foreigner.

According to the data there are total 168k houses under Zameen.com including houses, plats , separate rooms , upper portions and also farm houses for rents and sale both. Prices may vary if someone is desired to buy in a particular city.

In the case of audience, these foreigners may want to directly contact for the recommendations to the Real State agents and this project will be very helpful for each of these real state agents because now every agent will have every information of the houses in Pakistan. Beside this a Real state agent can also recommend to the local buyers and sellers. So in our case Stakeholders will be Real State agents and audience will be locals citizens and foreigners.