Searching Hospitals Near By User

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July 7, 2019

Introduction

Problem

India is a Developing Country so that in emergency for example if any accident happen so it is always difficult to find out Hospitals Near by any Emergency Location. And it is not only limited for emergency situation but in rular area also facing same problem to overcome this problem and in busssiness perspective to make money by solving this problem is Possible Using Foursquare API.

For the project objectives to be achieved, python geolocation libraries will used, along with the Foursquare API. Also, in order to create clusters of similar candidate locations, the KMeans machine learning clustering algorithm will be used.

Data Sources

Datasets of all hospitals which is located in India is present in government website of india

Link:- https://data.gov.in/catalog/hospital-directory-national-health-portal

This project required data of all hospitals in india including private hospitals aswell . hospitals data we can get from government websites

Data Cleaning

In This project we only required location name , its longitude , latitude , state,city and landmark.

Drop all NA values of datasets and clean dataset and remove all

Unnecessary columns and rows of this datasets.

Exploratory Data Analysis

After visualizing data do Exploratory Data Analysis On data for this we used **Decision Tree**

Decision trees:-

By using decision tree we will categorize data for example root node is India, and then categorize by state, city district, taluka , area respectively.