CAPSTONE PROJECT - COURSERA

EXPLORING HOTELS IN HYDERABAD, INDIA

* INTRODUCTION / BUSINESS PROBLEM

The main moto of this project is to identify the hotels in Hyderabad and cluster them on the basic of their ratings and price-per-head extracted using Zomato API.

Whenever a new person visits a city, they search for good place and affordable place to stay and eat. In this project I have clustered hotels using their ratings ( to measure how good they are ) and price per head ( to measure how affordable it is) . This will give you map with different mark colors to clustered hotels.

* DATA

Here we have fetched data from two different API’s

**Foursquare API:** Here we have fetched data of hotels in Hyderabad.

From foursquare API we got following columns of data which we have to clean

'categories', 'hasPerk', 'id', 'location.address', 'location.cc','location.city', 'location.country', 'location.crossStreet','location.distance', 'location.formattedAddress','location.labeledLatLngs', 'location.lat', 'location.lng','location.postalCode', 'location.state', 'name', 'referralId'

**Zomato API:** From this we fetch useful information like ratings, price etc