

Battle of Neighborhoods of London

Introduction

In this project, we'll try to solve a problem which happens to people who are visiting a new city which is for example, what are the good affordable restaurants that serve affordable Indian cuisine. So, the scope of this project will be to provide a list of good restaurants which provide the cuisine of their choice also it should be affordable and should have good reviews as well.

Since London is one of the many multicultural cities around the world, we will be comparing the neighborhoods of London and cumulating a list of restaurants based on the cuisine they serve, their affordability and ratings.

For this to work we'll rely on data collected from different sources and various types of visualizations including plotting the areas on the map.

Data

For this project we'll be obtaining data from following sources:

1. Wikipedia (https://en.wikipedia.org/wiki/List_of_areas_of_London): Here we can get the data regarding boroughs and the areas within those boroughs. Since this data is based on the areas under the boroughs, but using grouping we can group these areas based on the boroughs they belong to. Below is a snippet of data which we're going use from Wikipedia.

Location	London borough	Post town	Postcode district	Dial code	OS grid ref
Abbey Wood	Bexley, Greenwich ^[7]	LONDON	SE2	020	TQ465785
Acton	Ealing, Hammersmith and Fulham ^[8]	LONDON	W3, W4	020	TQ205805
Addington	Croydon ^[8]	CROYDON	CR0	020	TQ375645
Addiscombe	Croydon ^[8]	CROYDON	CR0	020	TQ345665
Albany Park	Bexley	BEXLEY, SIDCUP	DA5, DA14	020	TQ478728
Aldborough Hatch	Redbridge ^[9]	ILFORD	IG2	020	TQ455895
Aldgate	City ^[10]	LONDON	EC3	020	TQ334813
Aldwych	Westminster ^[10]	LONDON	WC2	020	TQ307810
Alperton	Brent ^[11]	WEMBLEY	HA0	020	TQ185835
Anerley	Bromley ^[11]	LONDON	SE20	020	TQ345695
Angel	Islington ^[8]	LONDON	EC1, N1	020	TQ345665
Aperfield	Bromley ^[11]	WESTERHAM	TN16	01959	TQ425585
Archway	Islington ^[12]	LONDON	N19	020	TQ285875

2. Foursquare: Using Foursquare API we can obtain longitudes and latitudes of all the boroughs and using that data we can plot the locations and popular venues in London. Also using this API, we can also get the details of all the restaurants that serve different types of cuisines from around the world.