Analysis of Restaurants in London, England

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Capstone Project

1.Introduction

1.1 Background

London is the capital and the largest city of England and the United Kingdom.London is considered to be one of the world's most important global cities and has been termed the world's most powerful, most desirable,most influential, most visited, most expensive, innovative, sustainable, most investment friendly, and most popular for work city in the world.

London exerts a considerable impact upon the arts, commerce, education, entertainment, fashion, finance, healthcare, media, professional services, research and development, tourism and transportation.

British cuisine encompasses the cooking styles, traditions and recipes associated with England. It has distinctive attributes of its own, but also shares much of Americans, China, and India touches.

1.2 Problem

Analysing the distribution of restaurants in London is the main aim of this project. Which types of restaurants are where? Where the restaurants of a particular type are located? These are the questions we'll be focusing on.

1.3 Interest

The people of London are the targeted audience. The residents of London, the tourists, and the businessmen. The people interested in opening a restaurant in an area are probably gonna be interest as well

2.Data acquisition and cleaning

2.1 Data sources

The main sources of this project were:

- Wikipedia: To obtain the list of neighborhoods and boroughs in London

  (https://en.wikipedia.org/wiki/List_of_areas_of_London)

- Citypopulation: To obtain the population of the boroughs

  (https://www.citypopulation.de/en/uk/greaterlondon/)

- FourSquare: To obtain the location, venues of the different restaurants in a borough.

2.2 Data Cleaning

First, I scraped the Wikipedia page for the neighborhoods, boroughs, and postal. Then, scraped the Citypopulation page to obtain the populations from the different boroughs.

Second, I had to clean the borough list from Wikipedia to match the borough list from the Citypopulation page.

Third, I found the locations of the various neighborhoods of London and mapped them.