Predicting Most liked Area in the city

Sandeep Kumar

July 31, 2020

1. Introduction

1.1 Background

Delhi India's capital city , is a massive metropolitan area in the country's north. Delhi has a lot of places to visit and explore including some historical monuments ,religious places etc.

1.2 Problem

If anyone is coming to delhi for the first time and wants to know which area in the delhi people visit the most apart from historical monuments ,religious places etc etc.
To determine this I am going to see the concentration of cafes . The cluster of cafes would most probably be the place where most people will be visiting.
If there are suppose 10 cafes in 500 meter meaning a lot of people coming to that place.

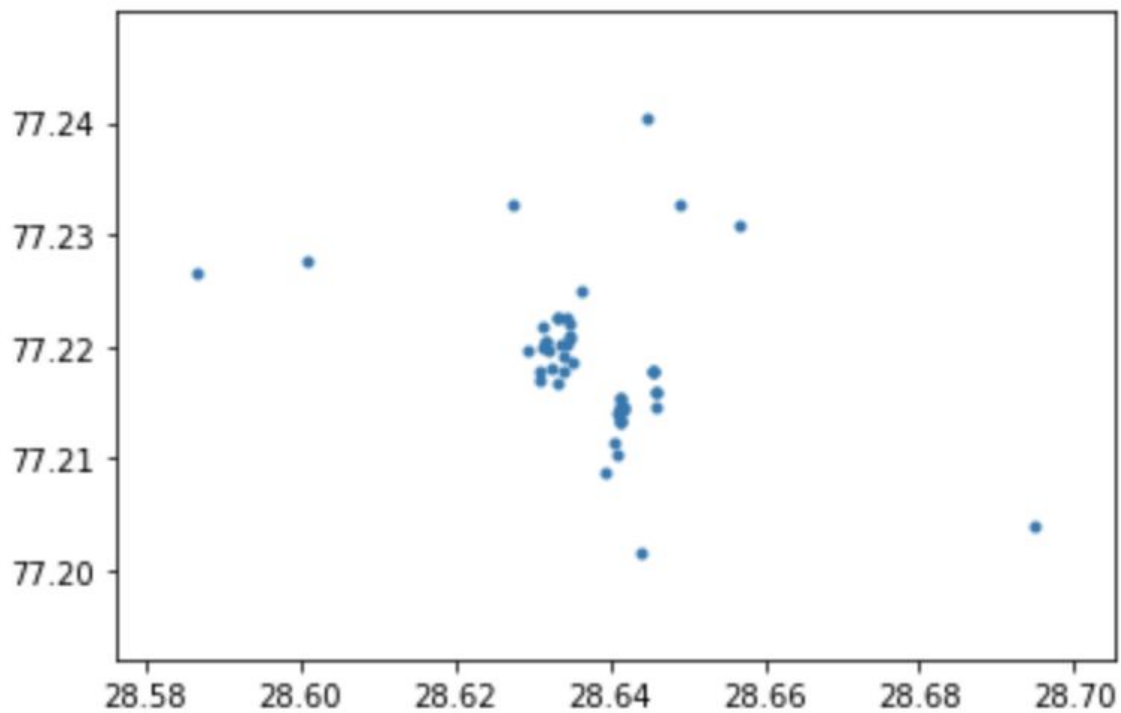# 2. Data acquisition and cleaning

2.1 Data sources

Data has been collected from https://foursquare.com/ API.
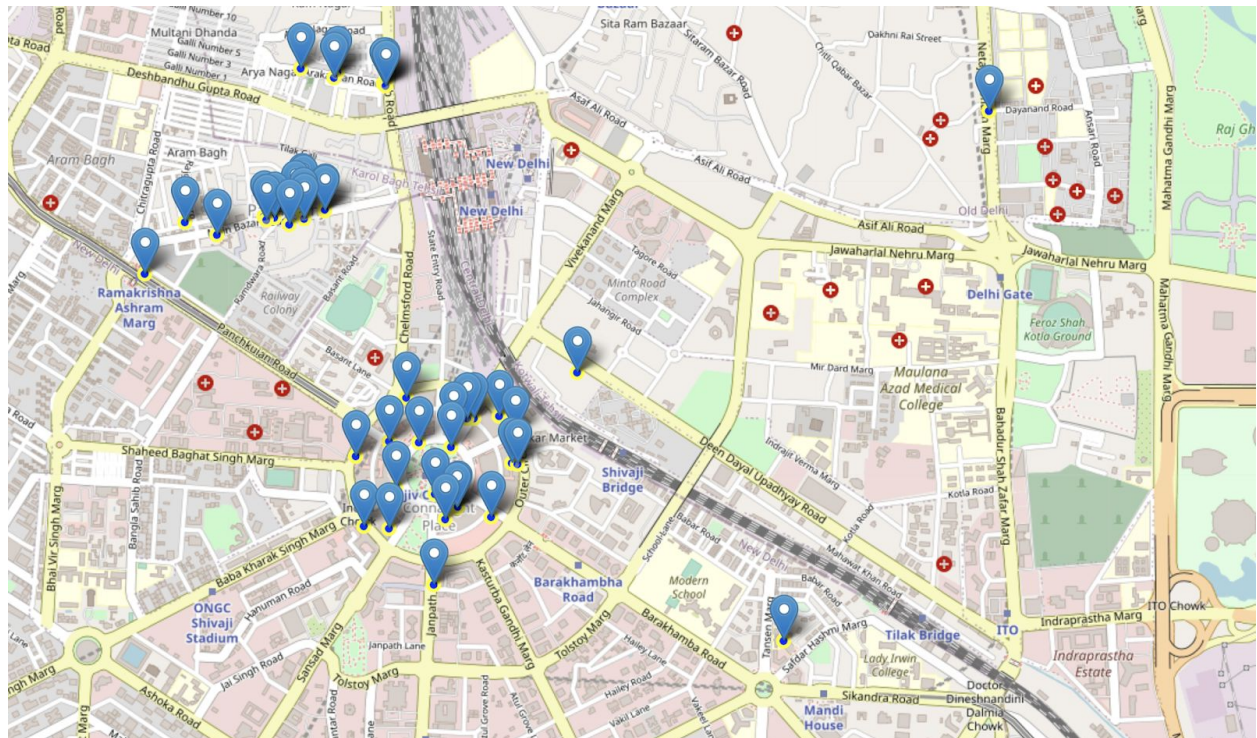
2.2 Data cleaning

Data downloaded from the source were combined into one table.

3.Methodology

To check is this the right model scatter plot was created to see if we find any cluster.

We can clearly see there are concentrations of cafes around longitude and latitude .
(77.2 , 28.64)

4. Results

5. Discussion

We can see 1 major cluster in the city .Where we can see there are more than 20 cafes in a radius of less than 500 meter.

6. Conclusions

In this study, I found out that Connaught Place is the most liked area in the city. Where people visit.