

Segmenting and Clustering Neighborhoods in New Delhi

Introduction

In the following project, we gather data about venues at various neighborhoods in New Delhi. We then segment the neighborhoods into different clusters using k-means clustering algorithm to identify different trends in different clusters of Neighborhoods.

Data Sources

We obtain different neighborhoods of data from the link given below and the convert it into an excel format and then clean the data.

http://delhi.gov.in/wps/wcm/connect/3ae0118049a4fe6aa74ff77c554aeab5/delhi_pin_codes.pdf?mod=ajperes

We then use the google Geocoding API to retrieve the coordinates of the neighborhoods.