Classifying tourist places in Kathmandu

dip.kamal001@gmail.com

Introduction

1. Huge number of tourist visit Kathmandu each year
2. Information regarding different neighborhoods important for travelers
3. Clustering places in Kathmandu based on their peculiar feature and popularity
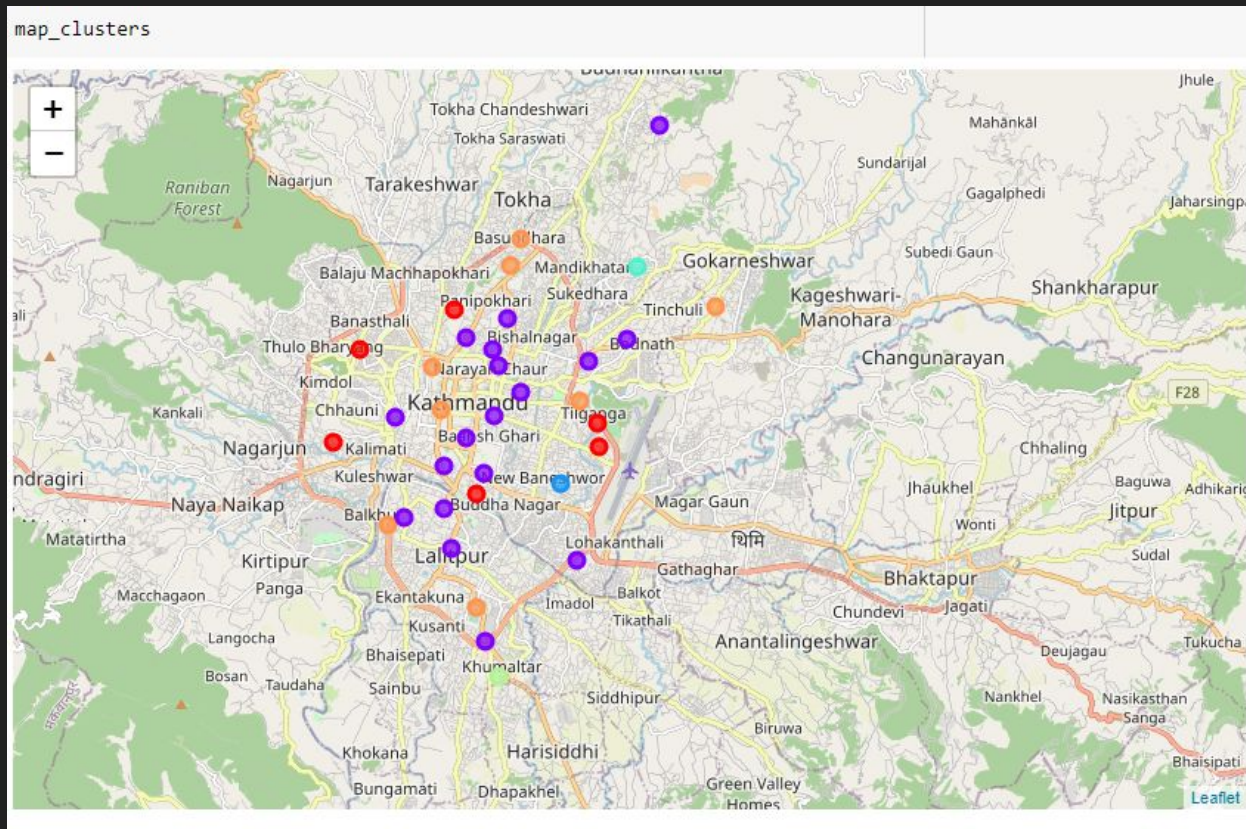4. Assisting tourism sector

Data Description

1. No government data
2. Data created on own
3. Data used in the data frame and their source:
   a. Neighborhood name

      i. (Obtained from Wikipedia and local government websites)

   b. Latitude and longitude of such neighborhood

      i. (obtained from google map)

Methodology

1. Data collection
2. Data conversion
3. Exploring neighborhood
4. One hot encoding
5. Finding best K for K means
6. Clustering using K-means

Result

Conclusion

1. Insufficient data for clustering
2. Lack of contributors in FourSquare
3. With more data, this technique can assist tourists