

An aerial photograph of Ahmedabad, India, showing a large, irregularly shaped lake in the foreground. The lake is surrounded by a dense urban landscape with numerous buildings and roads. In the background, there are more buildings and a hazy horizon. The text "The Battle of Neighbourhoods of Ahmedabad" is overlaid on the image in a large, bold, black serif font.

# The Battle of Neighbourhoods of Ahmedabad



# Paan Parlour

Maximum footfall

Nearby Indian restaurants





# Data & Analysis

PINCODEZIP.IN

For retrieving areas and pincode



For pdf to docx

For coding



For text to columns and csv

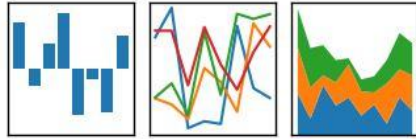




# Data & Analysis

pandas

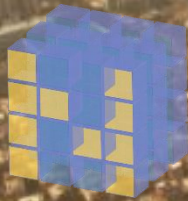
$$y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$$



For dataframes



For k-means clustering



NumPy

For array

matplotlib  
Version 3.1.1

For colour plotting



For location data

FOURSQUARE

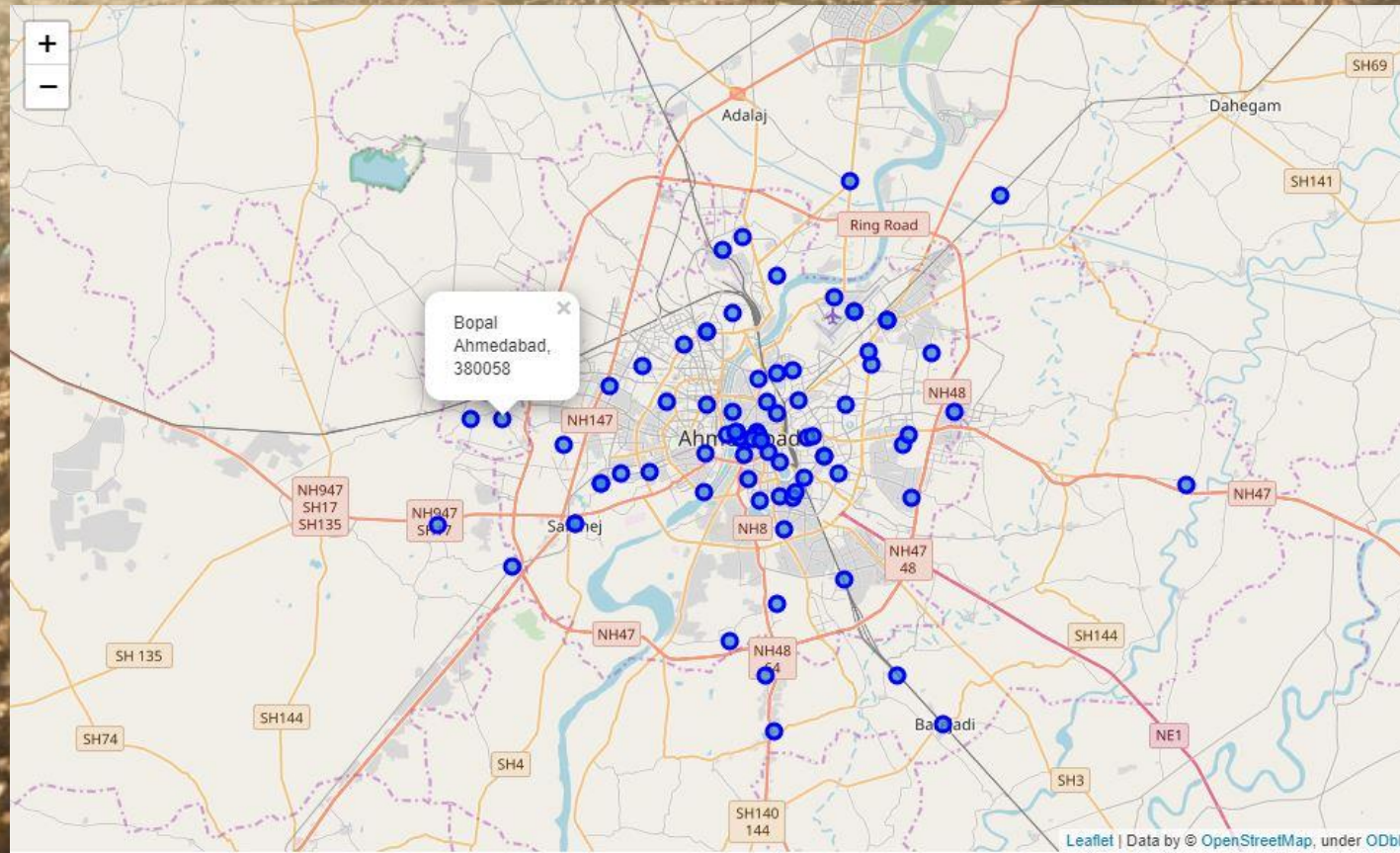
For mapping

Folium





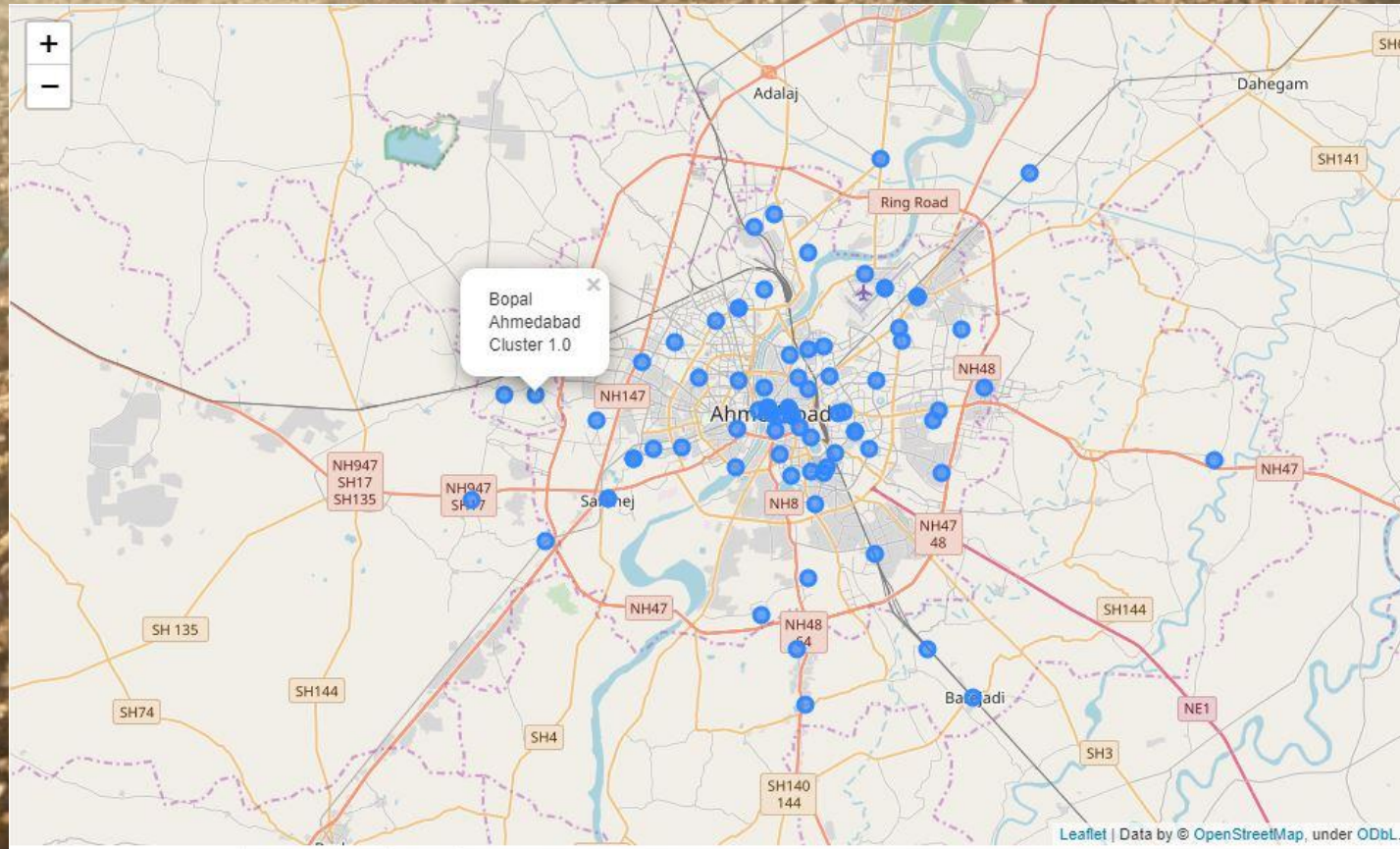
# Data & Analysis



Map of Ahmedabad with areas and pincode



# Data & Analysis



Map of Ahmedabad with areas and clusters



# Data & Analysis

Recommendation of areas to establish paan parlour based on clusters of Indian restaurant as first most common venue:

Amraiwadi  
Bapunagar  
Bhat  
Bhairavnath Road  
Ellisbridge  
Gheekanta Road  
Isanpur  
Jivraj Park  
Lal Darwaja  
Polytechnic  
Shastrinagar





# Thank You

