

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





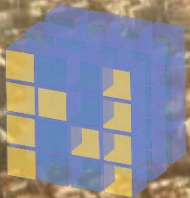
# Data & Analysis

pandas

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



For dataframes



NumPy

For array

matplotlib  
Version 3.1.1

For colour plotting

seaborn 0.9.0

For data visualization



FOURSQUARE

For location data

For mapping

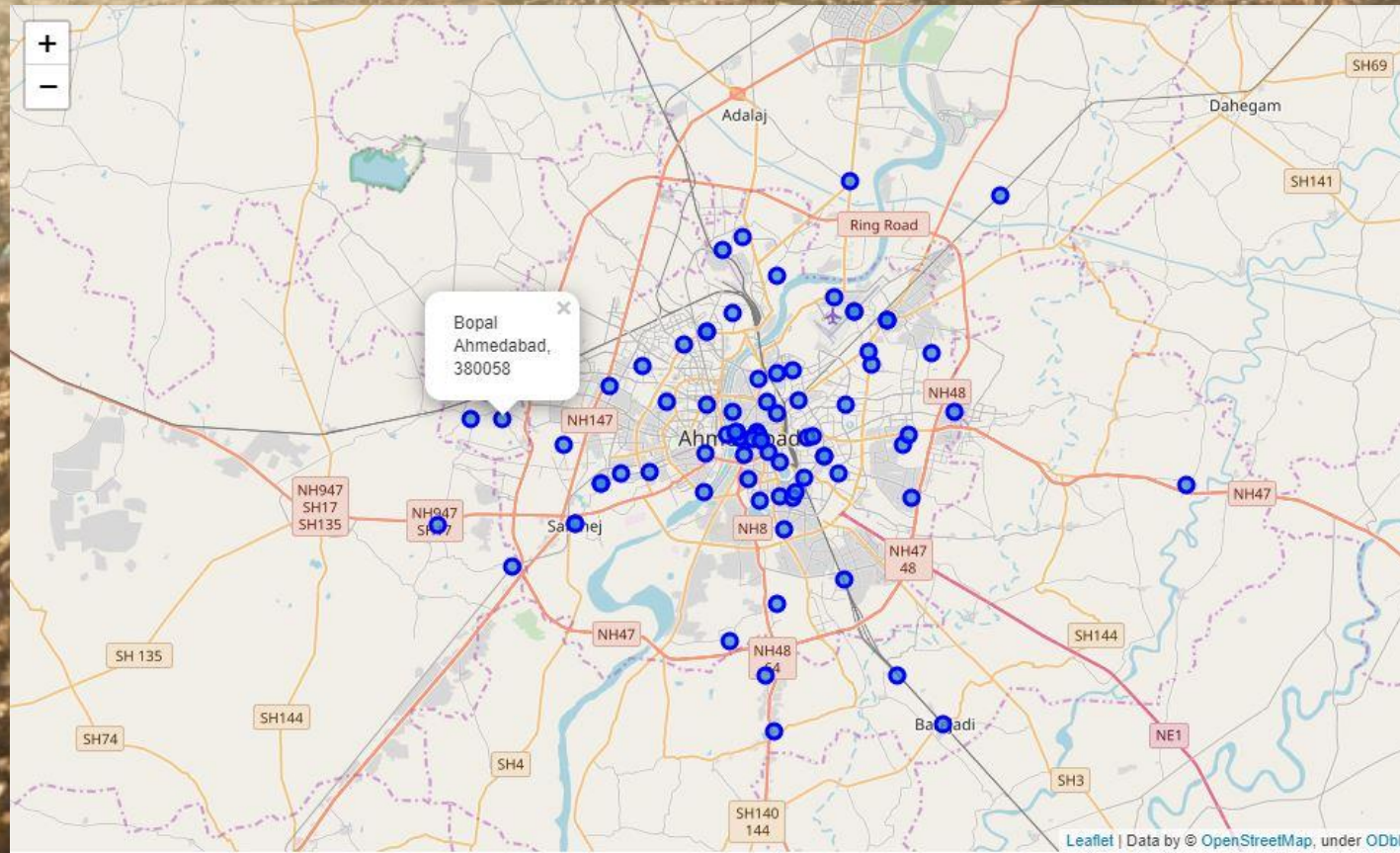
Folium



For k-means clustering



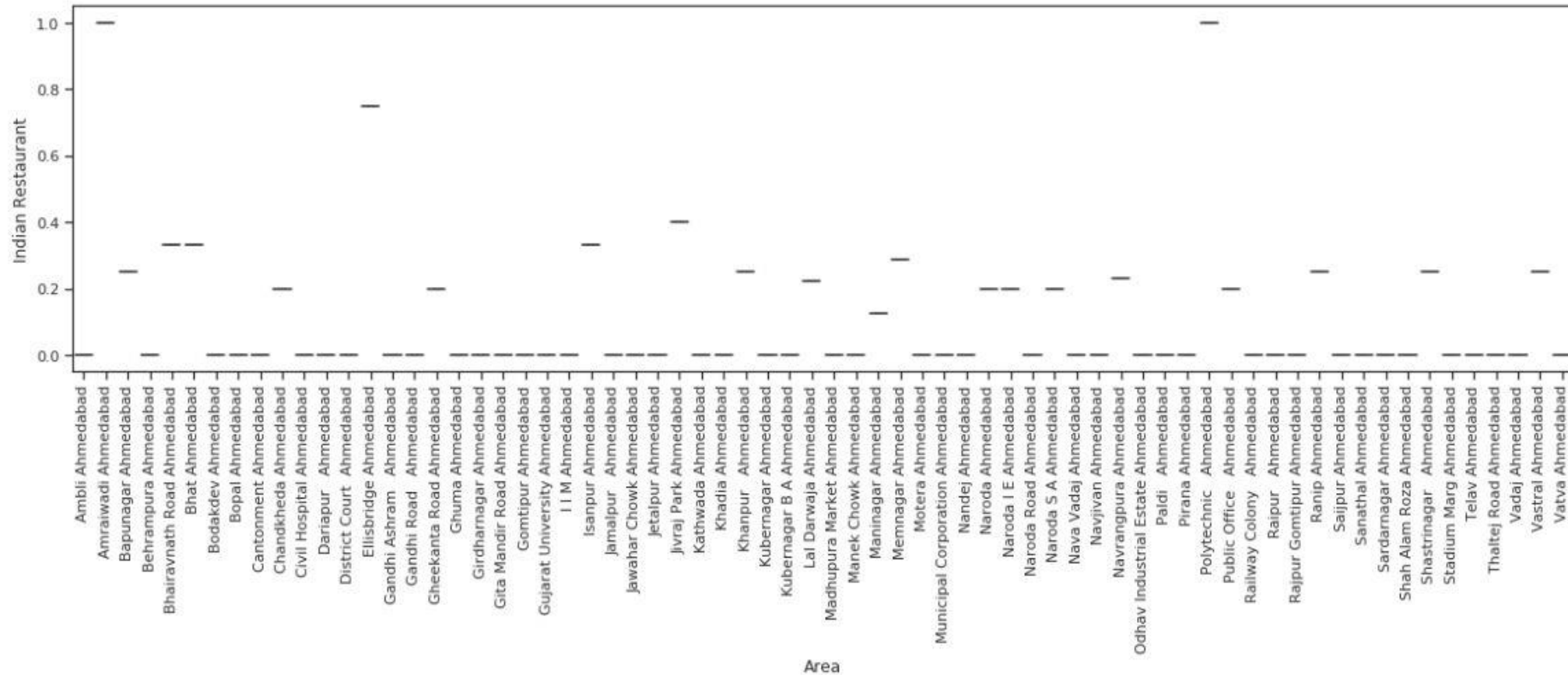
# Data & Analysis



Map of Ahmedabad with areas and pincode



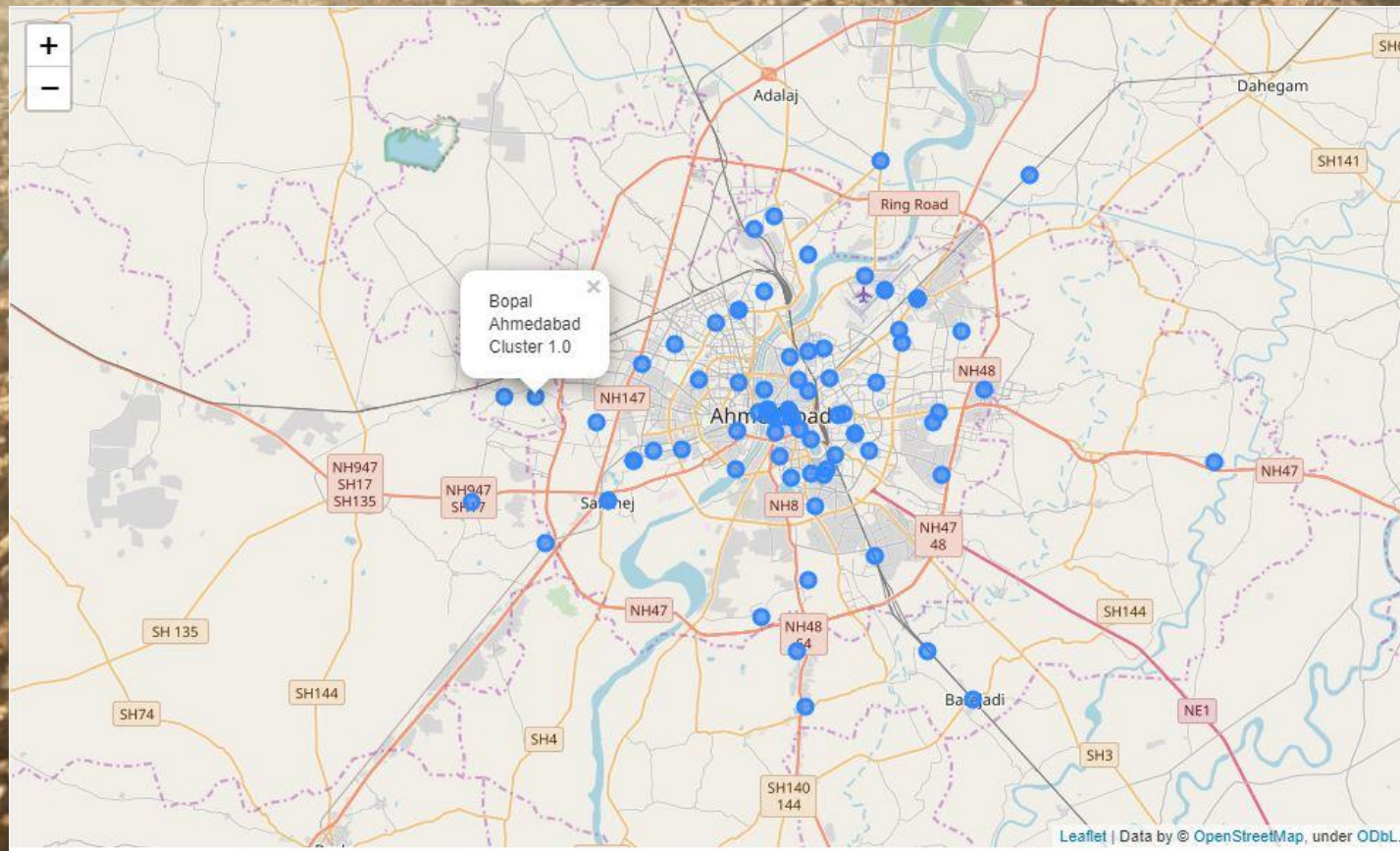
# Data & Analysis



Boxplot of Indian restaurants across areas of Ahmedabad



# 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

