

# Predicting Ideal Place to Open Food Business

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The main objective to find the perfect spots in the valley where fast food retail cabins can be put up, aiming at the above demographic and maximize profits out of them.

In this project, we find the 10 most popular for food in the Kathmandu Valley.



# Project Area



## Kathmandu Valley

Kathmandu valley is the capital city of Nepal. Kathmandu is and has been for many years the center of Nepal's history, art, culture, and economy.



# Data acquisition and cleaning

The data of the neighborhoods in Kathmandu can be extracted out by web scraping using BeautifulSoup library for Python

The venue data is found out by passing in the required parameters to the FourSquare API, and creating another DataFrame to contain all the venue details along with the respective neighborhoods



# Methods:

- Folium:
- One Hot encoding
- Taking just 10 most common places
- Optimal No. of Clusters
- K-means Clustering



# Conclusion and Discussion ...

- Built models to predict the ideal place to open new food places
- Built model to choose the best and most common places in the valley
- It helps to find where are the perfect spots in the valley where fast food retail chains can be put up.



# Thank you

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