

# Coursera Capstone Project

## Opening of a café in Delhi, India

### **Introduction:**

**Café**, also spelled **cafe**, small eating and drinking establishment, historically a [coffeehouse](#), usually featuring a limited menu; originally these establishments served only [coffee](#). The English term *café*, borrowed from the French, derives ultimately from the Turkish *kahve*, meaning coffee.

There are many café in Delhi and many more are being built. It has become a trend mainly for the youth and as a result the location of the café is of utmost importance or else it will be a complete failure.

### **Business Problem:**

The objective of this capstone project is to find a suitable neighbourhood for the location of a café . This project uses the K- Means algorithm of Machine Learning to find the neighbourhood which would be best for the opening of a café.

## Data:

We used the page "[https://en.wikipedia.org/wiki/Neighbourhoods\\_of\\_Delhi](https://en.wikipedia.org/wiki/Neighbourhoods_of_Delhi)" to find the list of neighbourhood in delhi . We then scrap the data from this web page using the beautifulsoup packages of the python notebook. We then find the location of all the neighbourhood using the python geocoder package. At last we use the foursquare API to get the venues in this neighbourhood.