**Finding the best nearby restaurants using foursquare API in the Munich**

**Data Sources:**

For this project, I am going to create a simple guide on where to eat based on Foursquare likes, restaurant category and geographic location data for restaurants in Munich. I will then cluster these restaurants based on their similarities so that a user can easily determine what type of restaurants are best to eat at based on Foursquare user feedback.

GeoCoder/Google Geolocation APIs: converts addresses into geographic coordinates

Foursquare APIs: offers rich location-based experiences and enables access to millions of up to date business venues, tips, photos and many other helpful tips

**Geocoder/Google Geolocation API:**

Geocoding is the process of converting addresses (like "Munich,Germany") into geographic coordinates (like latitude 48.1371079 and longitude 11.5753822), which you can use to place markers or position the map.

The Maps JavaScript API provides a geocoder class for geocoding and reverse geocoding dynamically from user input. If instead you wish to geocode static, known addresses, see the Geocoding web service. For this project a csv file containing the coordinates was provided by IBM.

**Data Requirement:**

For this project, I will be utilizing the Foursquare API to pull the following location data on restaurants in Munich, Germany:

• Venue Name

• Venue ID

• Venue Location

• Venue Category

• Count of Likes