DATA

The Foursquare API is the primary source of data for this project. Foursquare API is used to find the list of locations within a radius range along with their lalitude,longitude,category and also filter data according to their category in this case, namely food.It returns the places in json format as below:

    {'id': '5b9e10ae1ffe97002cc752a7',
     'name': 'Starbucks',
     'location': {'address': 'Gopathi Narayanaswami Chetty Road, T Nagar',
      'crossStreet': 'Gronud Floor, PMG Complex',
      'lat': 13.041685,
      'lng': 80.23458,
      'labeledLatLngs': [{'label': 'display',
        'lat': 13.041685,
        'lng': 80.23458}],
      'distance': 6965,
      'postalCode': '600017',
      'cc': 'IN',
      'neighborhood': 'Thyagaraya Nagar',
      'city': 'Chennai',
      'state': 'Tamil Nadu',
      'country': 'India',
      'formattedAddress': ['Gopathi Narayanaswami Chetty Road, T Nagar (Gronud Floor, PMG Complex)',
       'Chennai 600017',
       'Tamil Nadu',
       'India']},
    'categories': [{'id': '4bf58dd8d48988d1e0931735',
      'name': 'Coffee Shop',
      'pluralName': 'Coffee Shops',
      'shortName': 'Coffee Shop',
      'icon': {'prefix': 'https://ss3.4sqi.net/img/categories_v2/food/coffeeshop_',
       'suffix': '.png'},
      'primary': True}],
    'referralId': 'v-1570190757',
    'hasPerk': False}

The list of restaurants for the give cuisine can be filtered and their venueid is filtered and used to extract further details about the place such as their ratings,price range and number of likes and users who liked them .Filtering out details such as ratings and price tier is used to solve the problem.