Introduction

Dallas is a city in the United States of America state of Texas. It is the largest city and seat of Dallas county. As at 2019, the population of Dallas was 1,343,584. It is the ninth most populous state city in US and the third largest in Texas. Dallas is a diverse city and over the years it has become a melting pot of religions, lifestyles and cultures.

Dallas is always changing and there seem to be never shortage of things to do. Between trips of sight seeing the city, you'll need to eat. It is always very cumbersome task for a traveller or a visitor to make choices from among the many available options since there is dense web information. Information is all fragmented that you need to assemble yourself to make a better decision. This project seeks to present a guide to the best places to eat and drink in Dallas and also find appropriate neighborhoods. Also, we seek to determine the most popular cuisine in Dallas. There are several cuisines in Dallas, from a gold-themed French spot to Thai food in the back of a grocery store to an outdoor patio where you can spend a whole day. This project will seek to provide a great start when you're trying to make restaurant decisions.

Data

In order to help address this concern and , data on Dallas City and suburbs to include boundaries, latitude, longitude, restaurants, restaurant ratings and tips are required.
Dallas City data containing the areas and suburbs, restaurants, latitudes, and longitudes will be obtained from the data source: Dallas OpenData on Restaurants
From here, we retrieve restaurants and their inspection score, and list of neighborhoods, areas, their zip codes and latitude and longitudinal coordinates.

All data related to locations and ratings and tips of restaurants will be obtained via the FourSquare API utilized via the Request library in Python. We will need data about different restaurants in different neighbourhoods of that specific area. In order to gain that information we will use "Foursquare" locational information. For each neighbourhood, we have choose the radius to be 600 meters.

The information obtained per venue are as follows:

- Neighbourhood : Name of Neighbourhood
- Neighbourhood Latitude : Latitude of Neighbourhood
- Neighbourhood Longitude : Longitude of Neighbourhood
- Venue : Venue Name
- Venue Latitude : Latitude of Venue
- Venue Longitude : Longitude of Venue
- Venue Category : Category of Venue
- Venue Ratings: Ratings of Venue