DATA DESCRIPTION

The Data includes : -
- List of all tech companies in Bay Area

- The coordinates of the offices.

- The list of restaurants near the offices using Foursquare API

How the Data will be used to solve the problem ?

Firstly, the data will be cleaned to get the list of some of the companies of the area. After the pre-processing , the list of offices will be used to explore the venues near the offices within the radius of 1000 using the Foursquare API. The venues will be filtered to obtain the list of restaurants in the region. Then using KMeans clustering and data visualization using Folium , a clear idea will be obtained on where to start the next restaurant business.

FINDING THE BEST CUISINE RESTAURANT TO OPEN IN NEIGHBOURHOOD NEAR OFFICES IN BAY AREA

Data Acquisition Source

https://github.com/connor11528/tech-companies-and-startups/blob/master/companies.csv

The Bay Area list is an open source list created by Mr. Connor Leech and is available on Github. The repo has been forked from Mr. Connor for the purpose of analysis and visualisation.

A glimpse of Dataset

Companies

Name	Address	Latitude	Longitude	Year Founded	Websit
140 Proof	"77 De Boom St, San Francisco, CA 94107"	37.7822601	-122.392125	2009	https://www.140proof.co
2600Hz	"140 Geary St, San Francisco, CA 94108"	37.7879349	-122.4050295	2010	https://www.2600hz.com
3scale	"450 Townsend St #204, San Francisco, CA 94107"	37.7746341	-122.3986416	2007	https://www.3scale.net/

Data Science Methodology

- The data was extracted form the open source version control platform Github
- The data consists of 1000+ rows.
- Feature selection and cleaning was carried out on data.
- Map of all the offices in the Bay Area was plotted.