

## What's cooking!

A DATA DRIVEN STUDY

## Introduction

As part of continuous improvement of the overall quality of life in the city of San Francisco, it is important for the City Council and the Mayor's office to manage high standards when it comes to restaurants. From ensuring that they are profitable to maintaining proper standards, from well-known cuisines to new ones, it is important to acknowledge that restaurants are a big part of San Francisco lifestyle. This has a direct impact to the lifestyle and enjoyment of the residents of the city as well as thousands of visitors that come to San Francisco to enjoy everything that this city has to offer. San Francisco has maintained a diverse and culturally rich reputation among all the major cities in the United States of America. From the proximity to Silicon Valley to the arts to the culinary experiences, Golden Gate Bridge to Senoma valley, coffee shops to restaurants – San Francisco has so much to offer to the people.

The City Council understands the importance of this and therefore it is important to ensure the safety standards of its restaurants and improve the reputation of the city.

## **Business Problem**

In the upcoming 2020 financial budget, the City Council wants to allocate funds to set up 3 new food hubs in the city. These would feature restaurants with 3 different cuisines.

Additionally, the City wants to propose the shutting down of restaurants in the same neighbourhoods where the new hubs will be proposed as replacements. The aim of this study is to evaluate the current status of restaurands and their quality results. From there we need to identify the best neighbourhoods that should get the new food hubs and 3 cuisines for each. The study should give a full breakdown of the restaurants' data, provide clarity in identifying the right cuisine, recommend based on data the best neighbourhoods to have these new food hubs.

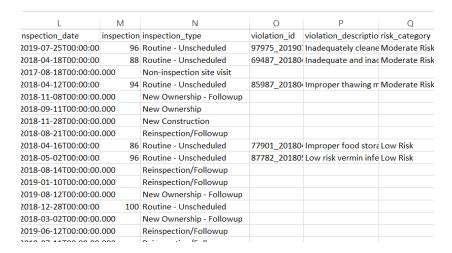
## Required Data

In order to make this analysis comprehensive, we are looking at available data of restaurants in SFO, retrieved from this website.

https://www.kaggle.com/san-francisco/sf-restaurant-scores-lives-standard

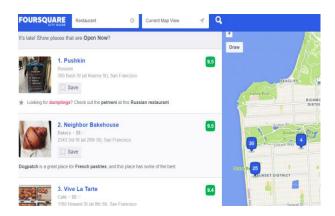
An extract of the data from the above source is shown below:

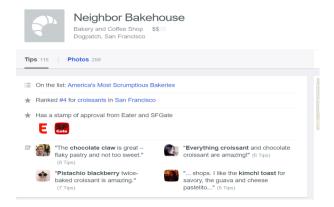




Based on this data, the idea is to do an analysis of the neighbourhoods, type of restuarants, number of quality violations based on cuisine in the neighbourhoods.

Foursquare Data will be used to get user reviews of the restaurants as well to get a balanced view of both Quality Inspectors and the general public.





We need to give a balanced recommendation factoring user experience as well as inspection scores to provide the final recommendation on the neighbourhoods as well as cuisines for the food hubs that would **replace** existing restaurants.