**Hypothesis**

San Francisco bay area is quite a popular region in the area surrounding San Francisco located in the northern part of California. Although some sources may say the total area varies, we have taken the official guide for the nine counties that borders this area. The official counties are, Alameda, Contra Costa, Marin, Napa, San Mateo, Santa Clara, Solano, Sonoma, and San Francisco.

The Bay area has almost 8,000,000 people living in the nine counties. The population count is very diverse in this region, for example half of the residents are Caucasian... and the other half of the population is divided into many different ethnicities such as Hispanic, Asian and African Americans.

This area is home to the second highest concentration of fortune 500 companies in the United States and has the quality of food, this population deserves. Boasting a wide variety of restaurants to match the growing population with their tantalizing taste buds. San Francisco Bay area is known for its food culture and is a haven for gourmands. Because of this unique food culture, gourmands (aka foodies) from all over the world can be found here in this lush region.

Our mission is to determine if a foodie will come to the area if there are not enough variety of restaurants and will visit a restaurant if it does not have a certain rating. We are creating data based on the geographical region of the Bay Area using Yelp API and mixing it with other resources to create something entirely new. The top priorities are to collect, report on, analyze and draw insights to meet our key objective of summarizing cities with the most variety of restaurants and analyze which ones have the best ratings. The goal is to utilize the data in order to better understand what drives a foodie to the restaurant and provide better recommendations that drive a customer’s decision on where they should be dining.