Full Report of Capstone Project

**Business Problem:** A friend of mine is interested in opening a new restaurant within a 2 mile radius of New York, NY. He tasked me with finding the best location to open the restaurant. This program will be broad enough to assist others in answering the question, “if I wanted to open a restaurant within a X mile radius of city-Y, and state-Z, where would be the best location(s)?” Companies such as Waffle House, Golden Corral, McDonalds would find this program beneficial.

**Data**: Data will be collected from the FourSquare location API. The data will contain information related to all venues and restaurants located within the city/state of the user’s choosing. Regarding the venues, we will focus on the ones that are considered popular by the API.