1. Introduction

1.1 Background

The united states (US) has the most number of pet animals in the world [1]. In 2012 statistics, there are ~ 155 millions of pets in the united states, and each household has ~2 pets [2]. Total number of cats and dogs in the US are more than the sum of 2nd and 3rd ranked countries [1]. As the demand of providing the good quality of life to companion animals are growing, the veterinary services in the US industry has grown by 5.4% annually between 2014-2019 [3, 4, 5]. However, starting a private veterinary practice is risky, and needs to consider many factors such as location, real estate, population, living of cost, and competition between the clinics. Therefore, it is advantageous to accurately predict which neighborhood is the good candidate to start the business.

**1.2 Problem**

This project aims to find the best location candidates for opening veterinary clinics in California. Data that might contribute to determining the best location for opening new practice including number of clinics, median household income, population in the neighborhoods in California was used.