Healthy Food Restaurant – Report

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Introduction

1.1 Background

A chain restaurant wants to start a new restaurant of healthy food because in Bogota city there are many fast restaurants or common restaurants, also the citizens over time people have improved in their diet.

1.2 Problem

In Bogotá, Colombia in the last few years several restaurants of all kinds have been opened, in this case, there is a minimal group that prepares healthy food and the number of people interested in healthy food is also growing, for this reason, the stakeholders will want to know which it's the best place for starting their business.

1.3 Interest

The parts interest are restaurant chains which it will want to open a new restaurant for fit people, people that workout or simply people interested in healthy food.

Data acquisition and cleaning

2.1 Data sources

It will be need to use two databases, the first data contain latitude, longitude for each neighborhood, and the second data contain population and rural territorial extension so on. These data will use looking for venues in Foursquare

2.2 Data cleaning

Data downloaded or scraped from multiple sources were combined into one table, then I will delete row columns irrelevant to the objective. There are problems with names or other data, so I should validity it for the neighborhood code and select a specific year (2015) for data amount of population.

2.3 Feature selection

After data cleaning, I will find related places with restaurants, GYM and shopping mall since these places are the most visited for people interesting in healthy food.