Finding the best place for Gun Shop in Los Angeles

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1.Introduction

1.1 Background

I will describe my researching in reason to establish firearms dealers network. Firstly we should acknowledge, that it is strong economic industry. Over the past decade, the industry's growth has been driven by an unprecedented number of Americans choosing to exercise their fundamental right to keep and bear arms and purchase a firearm and ammunition. Regardless of economic conditions across the country, the industry has grown and created about 146,000 new, well-paying jobs over the past decade. Detailed description of current industry situation can be find here: https://d3aya7xwz8momx.cloudfront.net/wp-content/uploads/2019/02/2019-Economic-Impact.pdf

1.2 Problem and Interest

The main problem is finding the right place to start a good business. First step is to identify best State that can be provide more benefits. There are key concepts: more free market, enough manufacters and target population. Good place is needed for getting more economic benefits. Right place can provide great start and opportunity to fast scaling-up.

2. Data acquisition and cleaning

2.1 Data sources

Report about industry by each State comparsion.

Data about manufactures and dealers in every State (we need comparsion for finding best State for our shop.

Secondly, after we decided on the State, we need to find place in State to get a place. Through basic previous data analysis (will describe later) we make a decision to establish first shop in California. The most economic attractive city would be where population would be more. And this is Los Angeles. Next data, that we need to get It is best neighborhood for shop. We will take data on the use of weapons from LA crime data from 2010 to 2019 [here](#) and from 2020 [here](#). There are location data and firearms usage in crime. Through this data analysis (will describe later) we can find best neighborhood for our shop based on firearm usage.

After I will have neighborhoods with firearms usage statistics, I can describe each neighborhood more detailed with Foursquare API. I will explore each neighborhood in searching venues of these categories: Gun Shop, Gun Range, Hunting Supply. It is needed for establishing shop without competitors in my neighborhood. More detailed data exploration, cleaning and using will describe in next sections.