

Capstone Project Assignment.

Safe City to Run a Convenience Store

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Introduction:

Background

Running a convenience store in the world today can be a very dangerous job. But not every city is as dangerous as the next and certain times of the day are safer than others. Even different areas in the city are safer than the next. By compiling crime statistics from law enforcement agencies, one can determine these answers. Combining this data with the Foursquare data we can work our saturation levels for the same types of stores in the area and adjust the location to ensure you have less competition.

By knowing this information perspective shop owners can see where is a good place to establish a business and at what time of the day are safer to run their business.

Problem

Crime statistics are a common data resource that is being made available to the public by law enforcement departments. Because every department has their own way of presenting this data, the data sources will have to be reviewed to retrieve a common format usable for this report.

We are only going to be retrieving data for the 2018 year and only focusing on crimes involving robberies of convenient stores.

When the data has been cleaned up and compiled into a single dataset, the different cities will be compared to each other to assess their crime levels throughout the year.

Once the safest city is determined we will filter out all the other city data and use the remaining data with the Foursquare data source to determine which neighborhoods would be a better location for the store.