

## I. Introduction

Suppose you receive a new job in New York City. Let's also suppose you have school aged children and you want to live somewhere safe. Who wouldn't, right? There are plenty of online resources that aim to help users find quality places to live. However, there are not a lot of resources that can give the specific results laid out in this project. It is also very difficult to find clear explanations or the data in which some of these qualities of life or quality of city ratings come from. This project aims to gather data from across the internet to provide a qualitative recommendation for the safest and most educational neighborhood in NYC. The data are collected from the New York City repository for crime, New York City's Department of Education repository for schools and programs, and real estate data from PropertyShark.com.

## II. Data

Data for each of the NYC police precincts are scraped from the website <https://data.cityofnewyork.us/Public-Safety/Police-Precincts/78dh-3ptz>. Data from NYC Department of Education for the types and places of after school activities for children, and the "quality review" list of school that meet said quality criteria. The after-school activity dataset contains coordinate information, types of options available, among other unused information. The quality review data set contains only the names of the schools. These names are then cross-referenced with the Foursquare API. Other Foursquare API data is used for the collection of locations of afterschool activities in certain neighborhoods throughout New York City. The mean data of rental property costs were gathered from PropertyShark.com. These data are available at <https://github.com/markchintis/NewYorkCityLiving>.