

New York City Crime Analysis

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1. Introduction

1.1 Background

New York is one of the biggest cities in the world having a large population density and relatively high crime rate making the job of law enforcement agents extremely difficult. One way to help analyze and predict crimes in New York is by exploring various data about the city, a process made easier by the NYC Open Data Project that makes the wealth of public data generated by various New York City agencies and other City organizations available for public use.

1.2 Problem

Crime analysis based on traditional socio-demographic data is of limited value because it fails to capture the complexity and dynamicity of human activity in cities. With the rise of ubiquitous computing, there is the opportunity to improve crime analysis (and prediction) with crowdsourced data (such as Foursquare data) that make for better proxies of human activity.

1.3 Interest

- Law Enforcement agencies are really interested / encourage any crime analyzing / prediction made by the public which will be helpful in their war against crime in the city.
- We will be doing some Venues - Crimes analysis so people who want to visit “safe” venues (we will discuss the criteria of safety later on) will be interested.