

NYPD Complaint Data Analysis

Control Group - Manhattan Without Chelsea

Sample Group - Neighbourhood around highline

The implementation of the Chelsea Highline has had some impact on the crime in and around the surrounding area. The analysis of the NYPD complaint data from 2006 to 2016 revealed that some crime types did in fact reduce.

The analysis on complaint data has given some interesting results for some complaint types. The petit larceny complaints in the control group and the sample group did show some differences. There was a decrease in the petit larceny complaints in the area around Chelsea after the implementation of the highline. However the complaints in the control group kept increasing at a steady rate.

The analysis has been done by fitting a line through the time-series of the petit larceny complaint's count. The line fitted for the data is done in two parts. The line is first fitted for the data from 2006 to June 2009 (time-period before highline was started). The second part included the data from June 2006 to Dec 2016 (time-period post highline implementation). The below figures show the time-series and the fitted lines.

The slope for the sample group data shows a decrease in the complaint count of petit larceny post highline implementation. The slope changed from 0.07 to -0.05. However, the slope for the control group did not show a reduction. The slope changed from 0.21 to 0.08.



