

## NYC Shootings – Where / When

### INTRODUCTION

Not all shootings that occur in NYC are reported in the media. As such, citizens may have a skewed opinion on their frequency depending on where they live. This visualization gives the audience a chance to explore locations and times through an interactive map. It does not attempt to provide political nor socioeconomical commentary. It simply serves as a gateway to history for the viewers own curiosity and reflection.

### DATA

NYC Open Data's NYPD Shooting Data (Historic)

Individual incident numbers and their coordinate data serve as the backbone of the visualization.

Data was exported as a CSV file and managed in excel.

Incident numbers classified as a murder for at least one entry were given an appropriate designation.

Extraneous fields and duplicate data were removed.

This data was converted to geojson format prior to being stored.

### DESIGN

To avoid classifying certain areas as a whole and to give individual incidents their merit, clustering, heatmaps, and summaries by region were intentionally avoided. A subdued map provides an aesthetic appeal and gives a sense of seriousness to the topic at hand.

### ISSUES

The initial data appears to contain an abundance of duplicate entries for murders.

This issue means that it is not possible accurately count the number of victims.

Locations are not exact and are usually reported at the center/intersection of a street.

Since markers are opaque, darker marks reflect multiple incidents reported at the same location.

When hovering over the marker, data for the latest incident in the time range is displayed.

### FINDINGS

Although a shooting can occur in almost any location, the concentration of marks show that some regions have a significantly higher of rate of incidents than others. Nonetheless, it is my opinion that every New Yorker has been to a location on the map where a murder has occurred.