



NYC 2020 FELONY ARREST REPORT

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IST 719 - Information Visualization

Syracuse University



65,278 Arrests Made

5 Boroughs

77 Precincts

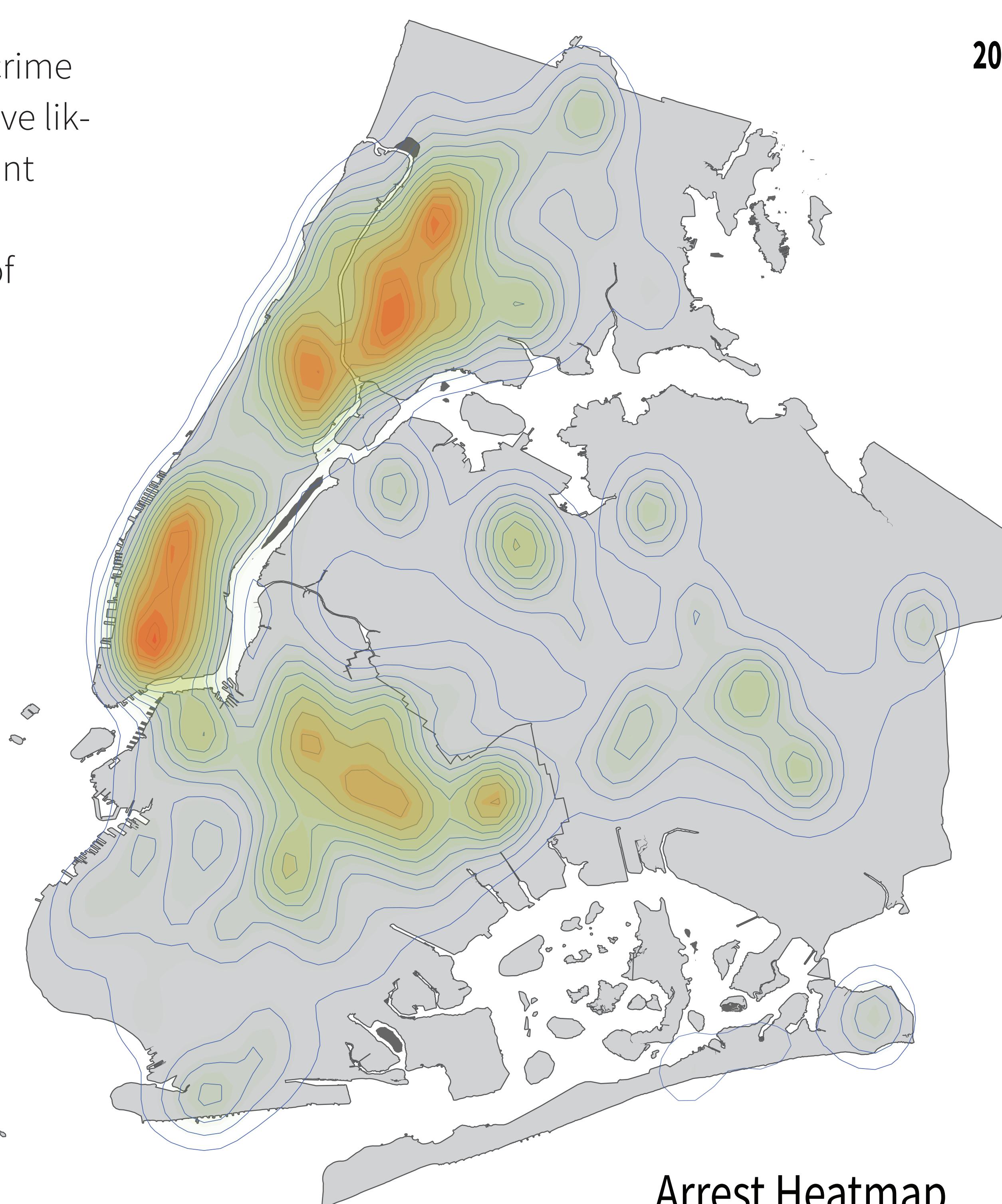
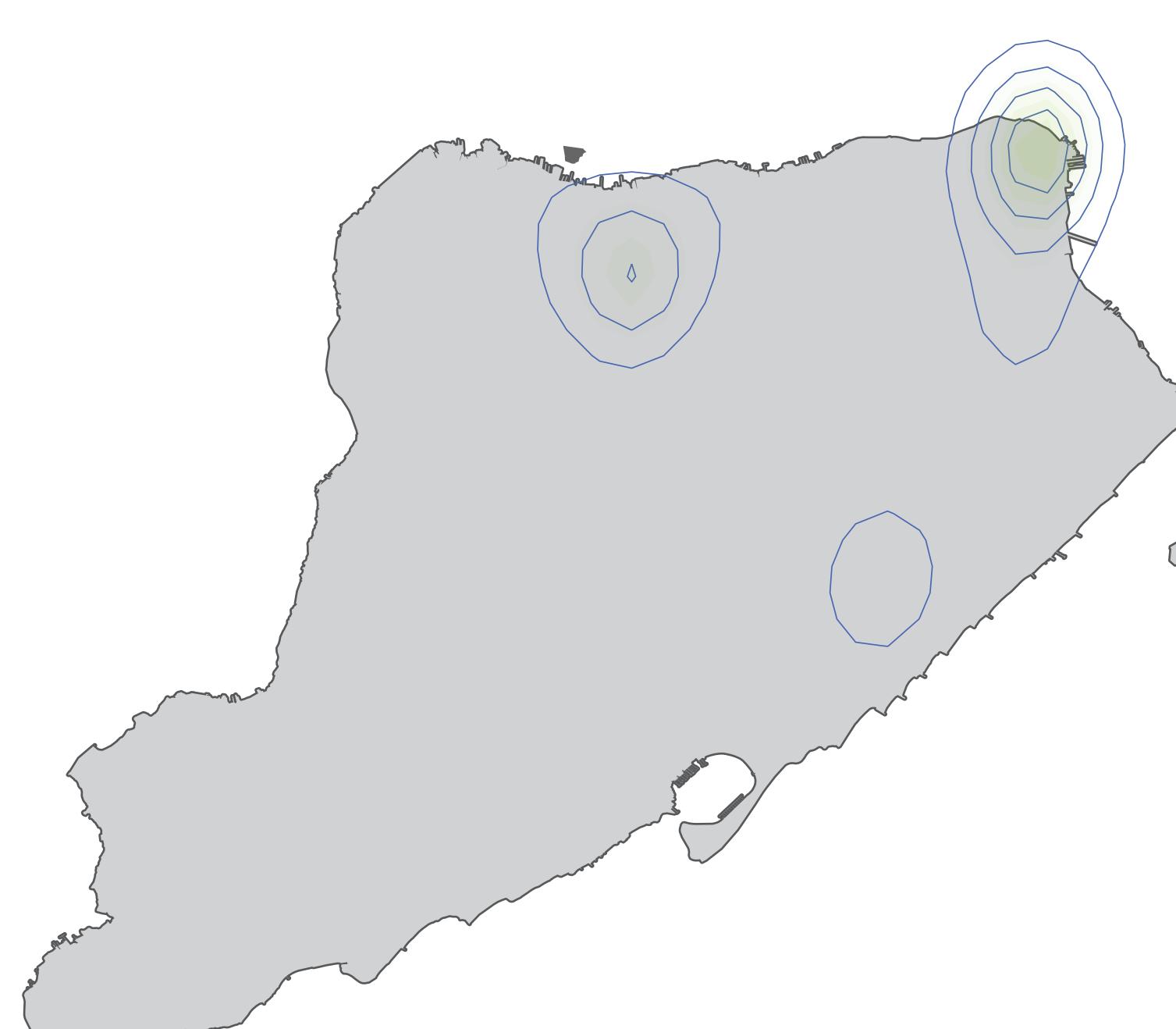
Background

New York City saw a significant increase in violent crime and felony offenses during 2020. News sources have likened this past year to the “old bad days” of rampant crime during the 80s.

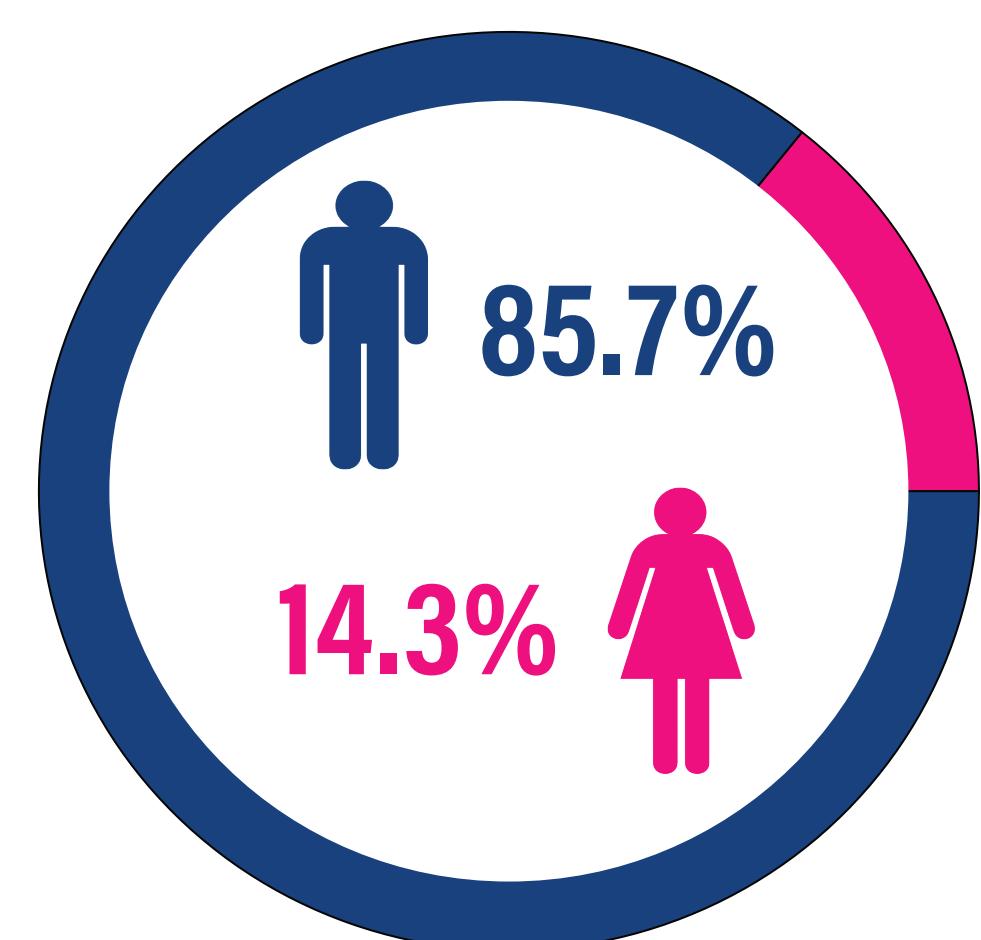
This analysis explores the who, where and when of all felony arrests made in 2020 calendar year.

Exploratory Question

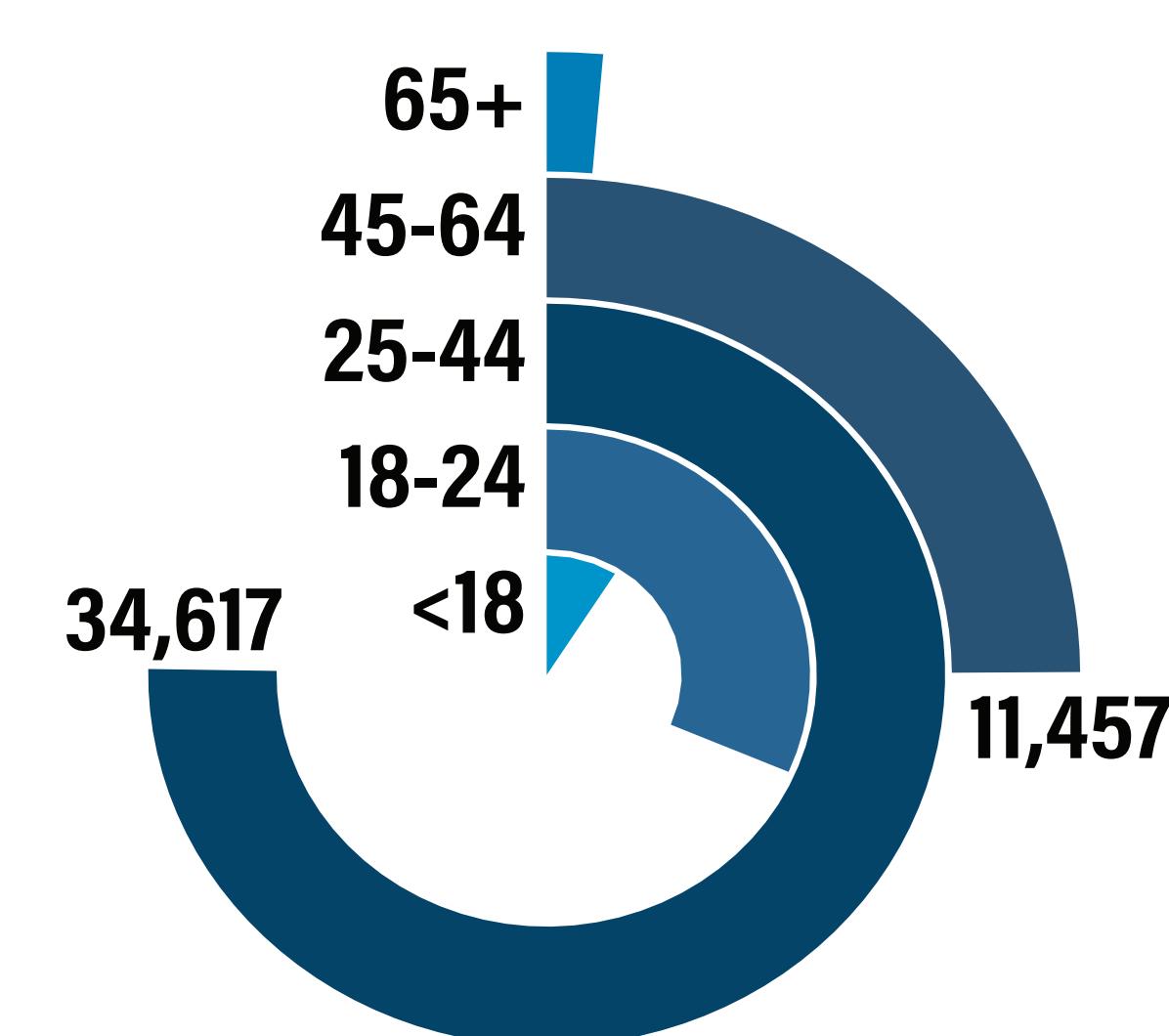
Which boroughs has the most arrests? Are crimes concentrated in certain areas within the boroughs?



Arrest Heatmap



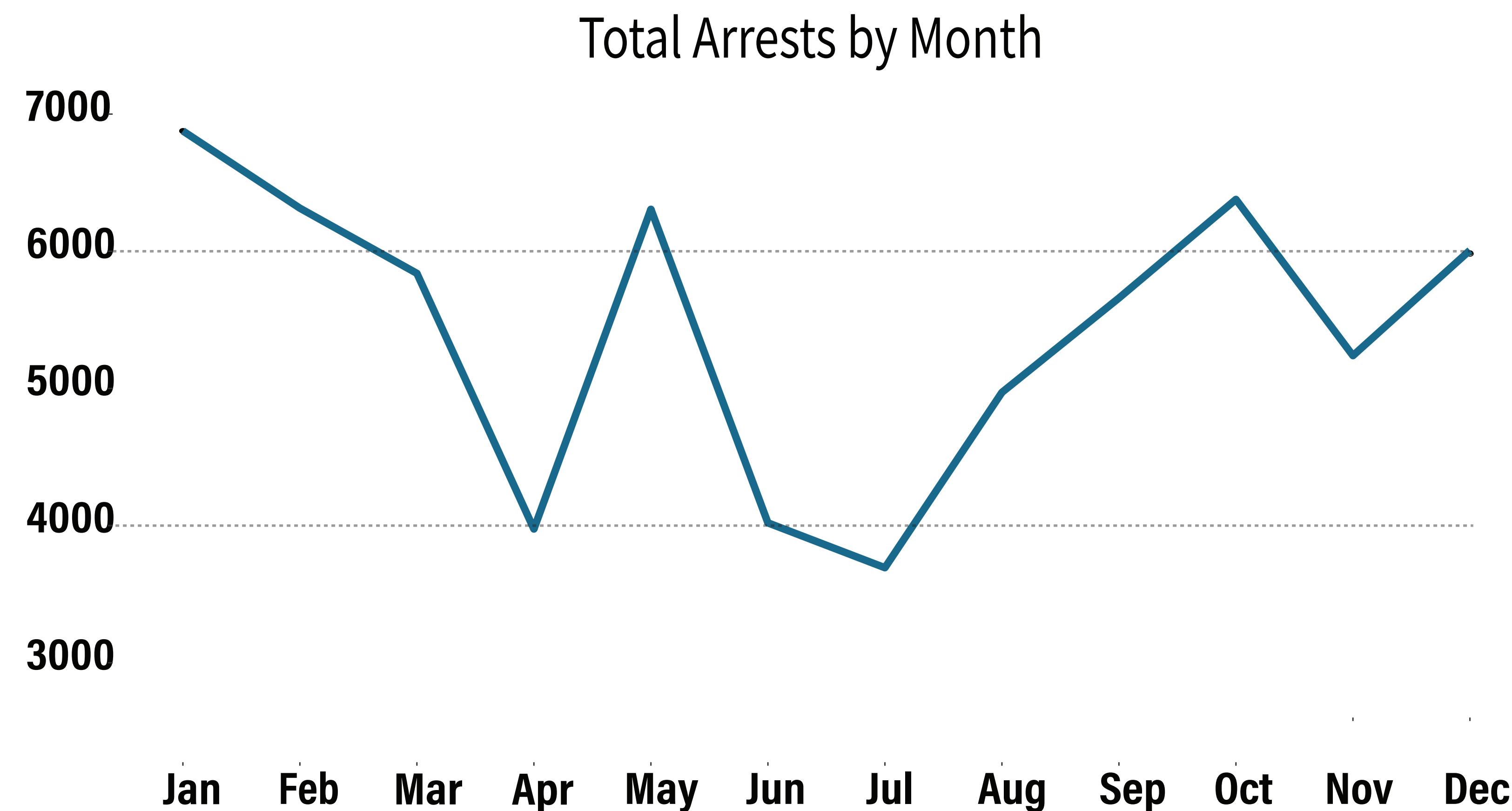
Arrest Breakdown by Gender



Arrest Breakdown by Age Group

Monthly Analysis

The year began with the highest total number of felony arrests in January and saw a steady decrease through April, likely due to the beginning of the pandemic and citywide lockdown. Arrests were at their lowest point for most of the summer, during which the city saw many residents move out due to increased unemployment and remote work flexibility.



Intended Audience

This poster is intended to serve as a resource for current concerned NYC residents and those looking to move to the city. It is assumed the audience is familiar with the borough borders and relative populations

Data Description

Sourced from the NYPD, the dataset contained 140,413 arrest records with demographic, location and offense information across 20 columns from Jan 1st to Dec 31st. The 65,278 felony arrests were subsetted from the overall data, from which the gender, age and borough frequencies were calculated

Source: New York City Open Data

Packages: rgdal, ggplot2

<https://data.cityofnewyork.us/City-Government/Borough-Boundaries/tqmj-j8zm>

<https://data.cityofnewyork.us/Public-Safety/NYPD-Arrest-Data-Year-to-Date-/ui8p-fykc>