

Data: I will use the crime-incidents data provided by the Philadelphia police department for 2019 per police district. The latitudes and longitudes are also provided in the data set. Below is the link to the data set:

https://phl.carto.com/api/v2/sql?filename=incidents_part1_part2&format=csv&skipfields=cartodb_id,the_geom,the_geom_webmercator&q=SEL

I will clean the data and drop the irrelevant columns, add the incidents per district and obtain a data frame whose columns will be police district number, incident count for the year, longitude, and latitude.

Then I will use Four Square to obtain venues and analyze the clusters together with the clusters formed by crime intensity.