

Weekly Project SCRUM Report

Date: 02/24/2023

Project Name: Gun Violence - Councilor Worrell

Team Members: Patrick Wright, Snigdha Reddy Pulim (lead), Tarek Mourad, Vaishnavi Vadlamudi,

Tasks Completed This Week:

Met regularly for Deliverable 1 and as discussed the previous week,

- Patrick Wright:
 - File for Deliverable 1: gun_violence_PatW.ipynb
 - Worked with Police Records of Violence/Firearm Activity data
 - Used Shots Fired and Shootings - Datasets - Analyze Boston and plotted the following
 - “Proportions of Shootings in District 4 vs. All Other Districts since 2015”
 - “Proportions of Shootings in Police Districts of District 4 since 2015”
 - “Proportions of Shots Fired in District 4 vs. All Other Districts”
 - “Proportions of Shots Fired in Police Districts of District 4 since 2015”
- Snigdha Reddy Pulim:
 - File for Deliverable 1: crime_patterns_per_PD_snigdha.ipynb
 - Layered shape files on ArcGIS to get District 4 Police Districts and District 4 zipcodes
 - Worked with Police reports data
 - Used Crime Incident Reports - Datasets - Analyze Boston and plotted the following:
 - “no of crime reports by type of crime” for each of the 4 Police Districts, Boston City and all other districts
 - “Crime rate of each district/ Crime rate of Boston City for each type of crime” for each of the 4 Police Districts, Boston City and all other districts
 - “no of crime reports (by type of crime) outside of each district against in the district”
- Tarek Mourad:
 - File for Deliverable 1: Field_Contacts_Data.ipynb
 - Worked with the Police Presence data
 - Used [BPD Field Interrogation and Observation \(FIO\) - Datasets - Analyze Boston](#) to plot:
 - Top 25 zip codes by the count of BPD contact
- Vaishnavi Vadlamudi:
 - File for Deliverable 1:
 - ReadingShapeFiles_Vaishnavi.ipynb
 - CrimeIncidentReport_Vaishnavi.ipynb

- Worked on [Shapefile](#) and plotted shapefiles in ReadingShapeFiles_Vaishnavi.ipynb
- Worked with Police reports data
- Used [Crime Incident Reports - Datasets - Analyze Boston](#) and plotted the following:
 - “Districts and Number of Shootings”
 - “District4 when compared to Other Districts”
 - “District 4 vs Number of Crimes”
 - “Districts and Number of Crimes”
 - “Ratio of Gun Crime”
 - “Ratio of Other Crime”
 - “Ratio of Gun Crime”
 - “Districts vs Gun Crimes over All Crimes”

Plans for Next Week:

- Depending on the client meeting outcome scheduled on 2nd march.

Obstacles and Questions:

- For Police Records of Violence/Firearm Activity data, there is no location information other than Police District
 - But, All 4 Police Districts that fall under District 4 (B3, B2, C11, E13) cover some areas that do not fall under District 4
 - How should we navigate this

Met with the client recently? When is the next meeting with the client?:

We met with the client on February 16th; the next meeting is scheduled for March 2nd.