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 3rd.