| Weekly Project SCRUM Report |
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| Date: Feb 10, 2023 |
| Project Name: Gun Violence |
| Team Members: Sai Surya Varshith, Hitanshi Jain, Peiying Ye, Yuhe Bian |
| Tasks Completed This Week:   * Understand the project, have a zoom group meeting, finish Deliverable 0 |
| Plans for Next Week:   * Group meetings, collection of data, bringing out our ideas on the project topic |
| Obstacles and Questions:   * How to work on the data cleansing for provided data sets * How to choose the data analysis model * How to combine our analysis with real-world scenario |
| Met with the client recently? When is the next meeting with the client?:   * The final date for the meeting will be decided soon, it is still in process. |
| What is the project focus/overall goal?   * The Gun Violence project seeks to understand Gun Violence in the community first focusing on District 4 in Boston and then the city Boston as a whole and its impact * The project goal is to determine what drivers of violence looks like in District 4 as compared to other areas. We also need to understand the comparative volume and geographic distribution of gun violence in the district and beyond. |
| Why is this project important?   * Gun violence is a severe social problem in the United States, and we need to have a better understanding of this problem to come up with plausible solutions * Gun violence is a major public health and safety issue in many communities, including Boston. * This project aims to understand the specific drivers of gun violence in District 4 and inform effective solutions to reduce it. * The results of this project can inform city-wide strategies and improve public safety for all residents of Boston. |
| What type of data will you collect or be analyzing?   * The data that will be collected and analyzed for this project can include a variety of different types of data, including: * Gun violence incidents data: This can include information on the number, location, and type of gun violence incidents in District 4 and the city of Boston. * Police presence data: This can include information on the deployment and activities of police officers in District 4 and the city of Boston, as well as data on the use of force by police officers. * Demographic data: This can include data on the age, race, income, and education level of residents in District 4 and the city of Boston. * Economic data: This can include data on poverty rates, unemployment rates, and other indicators of socio-economic conditions in District 4 and the city of Boston. * School discipline data: This can include data on student suspensions and expulsions, as well as data on other school discipline policies and practices. * Programs and policies data: This can include information on existing programs and policies aimed at reducing gun violence in District 4 and the city of Boston, as well as data on their effectiveness. * The data collected and analyzed will be used to understand the drivers of gun violence in District 4 and the city of Boston, and to inform policies and programs aimed at reducing gun violence and improving public safety. |
| What are potential limitations of the project?   * Data Quality: The accuracy and completeness of the data used in the analysis is critical to the validity of the results. There may be missing data or errors in the data sets, which could impact the results. * Data Availability: There may be limitations in the data availability, especially for certain types of data such as police reports or discipline records from schools. * Comparison Limitations: the project wants to compare the situation in District 4 to the rest of the city, there may be differences in the data collection methods and data sources used for each area, which could impact the comparability of the results. * Limitations in Understanding Causes: the project wants to identify drivers of gun violence, it may be difficult to determine cause-and-effect relationships based on the available data. There may be multiple factors contributing to gun violence in the district, and it may be challenging to identify which factors are most significant. |
| What are your next steps? Divide tasks amongst the team   * All the members will discuss in details about the project, regarding the data collection and preprocessing and then the model determination. * Hitanshi Jain and Peiying Ye will collect the data and perform the data cleaning on the same. * Yuhe Bian and Sai Surya Varshith will work on analyzing the data and looking for patterns that would help to solve the problems given in the project description report. |