

Gun Violence - Team 3



Team Members:

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Project motivation:



Recent uptick in gun
possession among youth
in Boston's District 4

Need to understand the
drivers of gun violence in
the district and the city
as a whole.

Inform policies that can
improve the district and
reduce the incidence of
gun violence.

Project Goal



To understand the drivers of gun violence in Boston's District 4 and the city as a whole, with a focus on identifying the variables associated with increases or decreases in gun violence.

Project Background



To understand the project, it would be helpful to have knowledge of the factors that contribute to gun violence, such as poverty, access to firearms, mental health, and social dynamics.

Familiarity with the existing programs designed to address gun violence, their effectiveness, and their limitations would also be useful.



Project Extension Proposal

- Rationale
 - To highlight potential important environmental trends which can pave the way for approvals for redesigning areas of Boston
- Hypothesis
 - Greener environments have less violence than desolate urban settings.
 - More gun violence incidents closer to community centers.
- More details found here:
 - [Extension Proposal](#)



Datasets used/to be used

- City Council Dataset
- Shots Fired
- Shootings
- Community Centers
- Parks

Progress so far

Explored the Community Centers dataset

Focused on Community Centers dataset to create mappings to City Council Districts

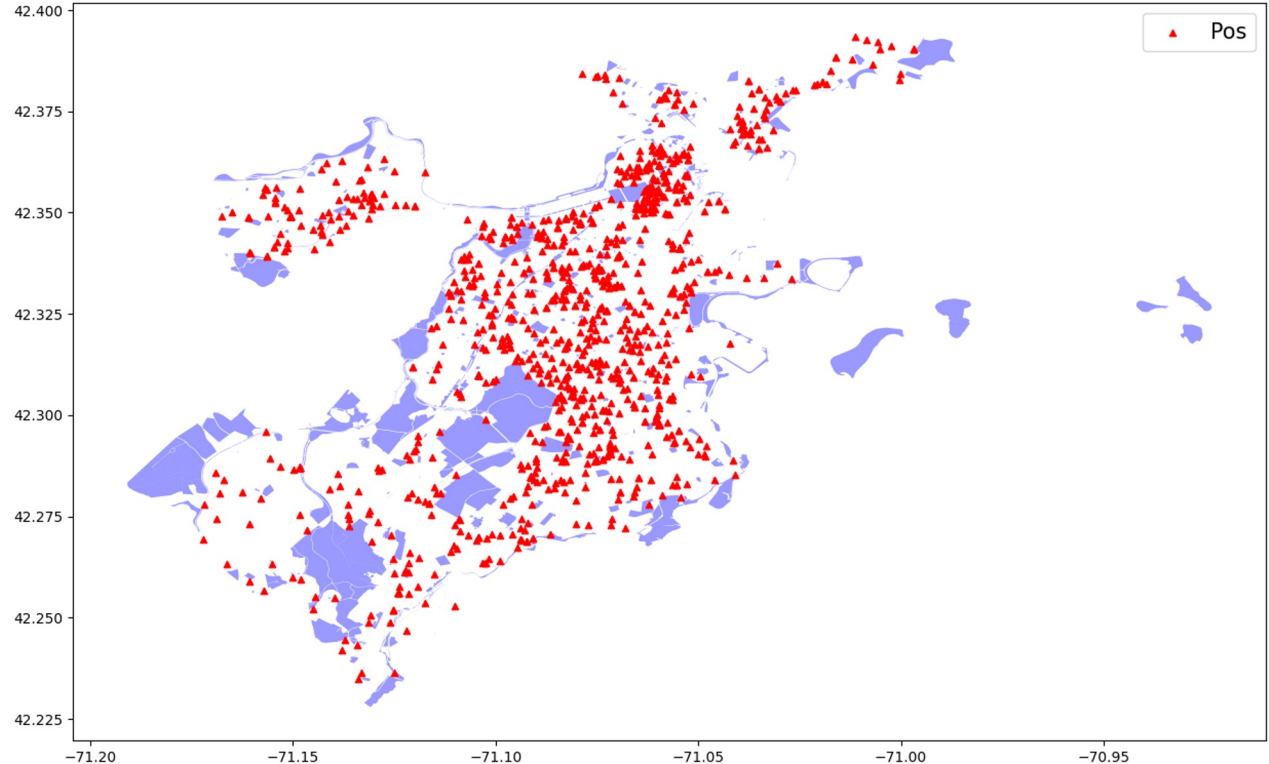
No concrete analysis derived from parks dataset

Parks Gun Violence Map



Key Findings:

- Most gun violence does not happen in parks
- Boston has a high park area ratio to city its hard to say if shootings happen near parks with this bias

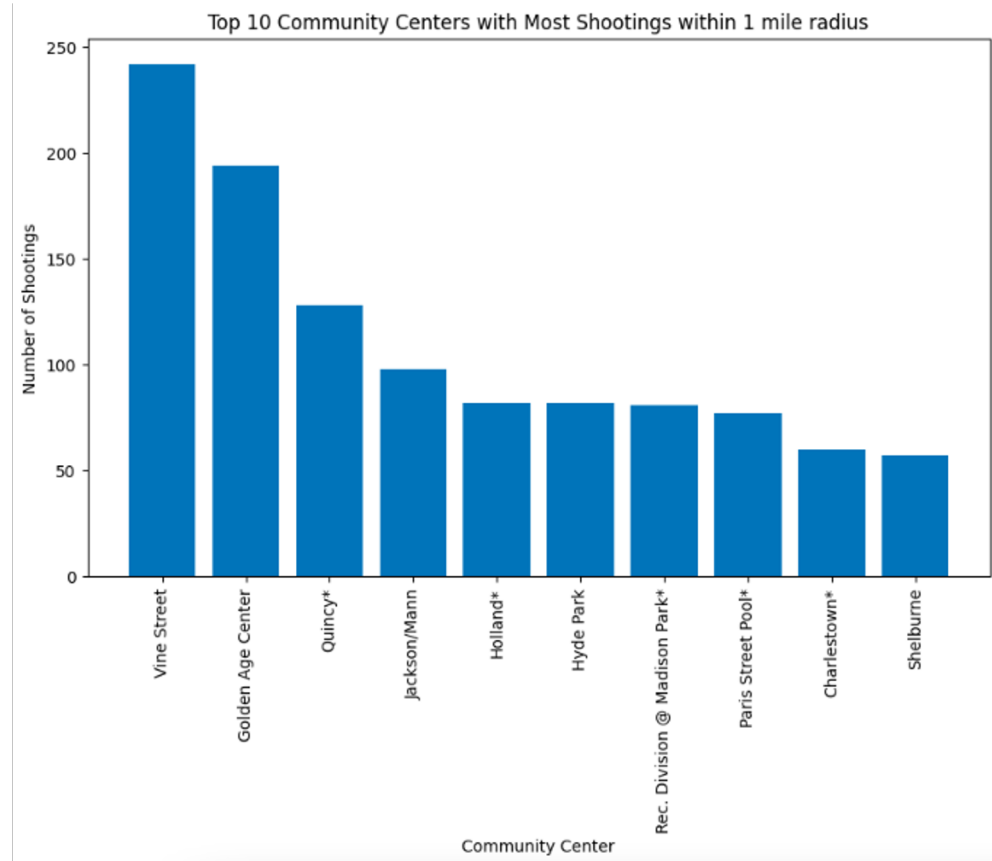


Top 10 Community Centers with Most Shootings



Key Findings:

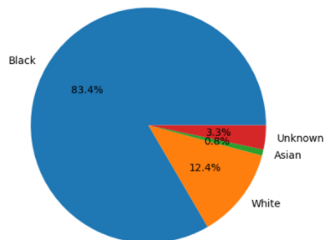
- More shootings near Community Centers seem to happen in City Council 1 and 7, with 3 Community Centers each in the top 10 list.
- There are only one Community Centers from City Councils 4, 2, 9 and 5 in the top 10 list.



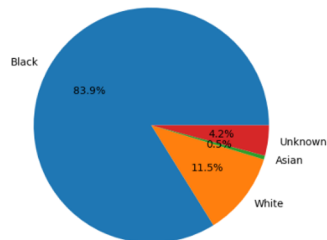
Race Segmentation for Community Centers



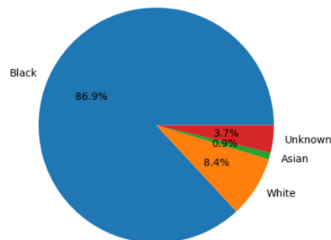
Vine Street, City Council 7



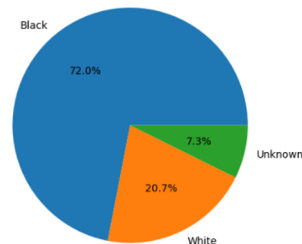
Golden Age Center, City Council 1



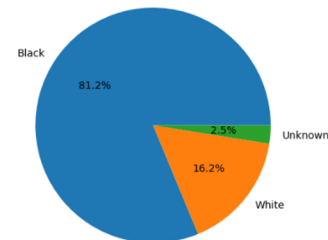
Quincy*, City Council 2



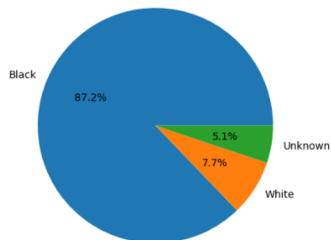
Holland*, City Council 4



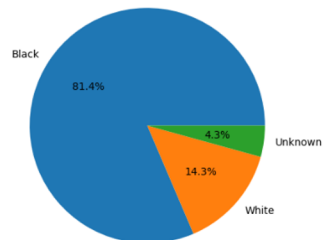
Jackson/Mann, City Council 9



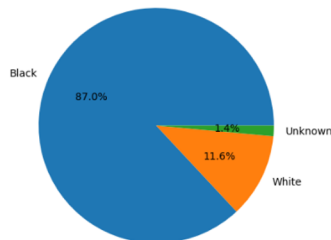
Rec. Division @ Madison Park*, City Council 7



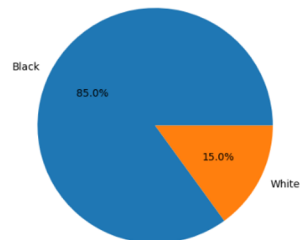
Hyde Park, City Council 5



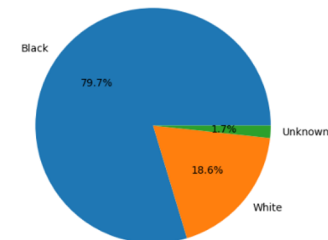
Paris Street Pool*, City Council 1



Charlestown*, City Council 1



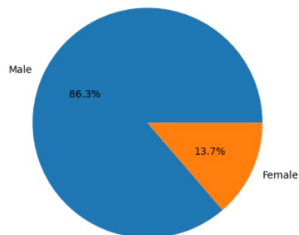
Tobin, City Council 8



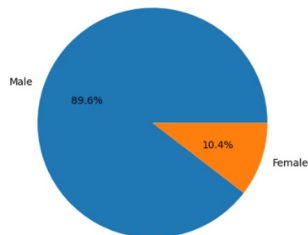
Gender Segmentation for Community Centers



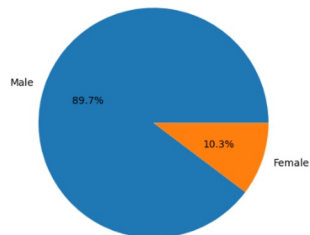
Vine Street, City Council 7



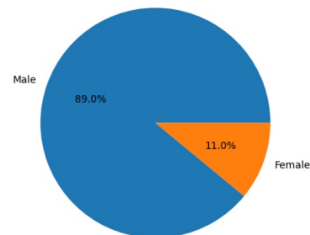
Golden Age Center, City Council 1



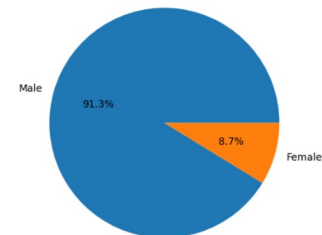
Quincy*, City Council 2



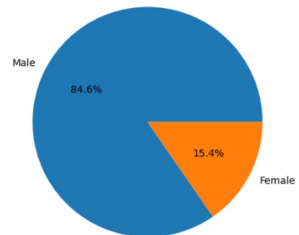
Holland*, City Council 4



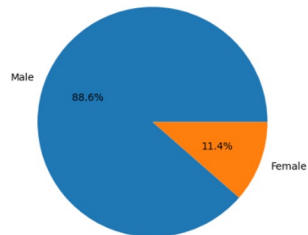
Jackson/Mann, City Council 9



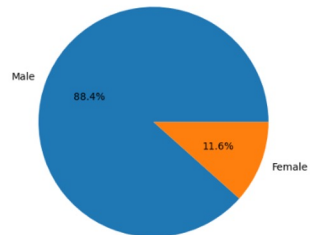
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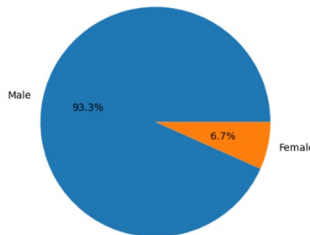
Hyde Park, City Council 5



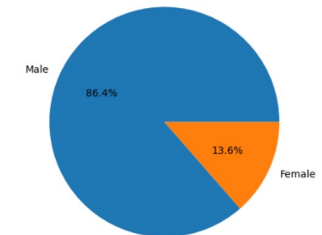
Paris Street Pool*, City Council 1



Charlestown*, City Council 1



Tobin, City Council 8



Race and Gender Graphs Key Findings



- Race

- In every Community Center on the top 10 list, more than 75% of the victims are Black.
- The Community Center at Holland (City Council 4) has the highest number of White and Asian victims out of the Community Centers in the top 10 list at 19.5% and 1.1 % respectively.

- Gender

- In all the Community Centers in the top 10 list, there are always more male victims than female victims (more than 80% of the victims are males in every case vs more than 8% for females).
- Golden Age Community Center in City Council 1 has the highest percentage of male victims at 91%, whereas for females, it is at Charlestown also in City Council 1, with 17%.



Next steps

Wrap up the report and final analysis.

Questions/Obstacles

We ain't got none for now!



Questions?