Preventing Gun Violence

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Define your problem (Evangelina):

Preventing gun violence and how it will affect people and what the outcome of that will be.

Is this application for public use (i.e., for citizens vs. law enforcement)? Who is your target audience? Who do you expect to use this? Only NetLogo users?

This application is for public use, especially targeting troubled teens and young adults, the African American community (BLM community) and law enforcement. The users can access the spreadsheet to predict Albuquerque's gun related violence in correlation to the gun buy-back rates.

Could your application also factor in guns turned in (i.e., tracking this count in an area through an advertised event or ongoing drop-off location)? Will your application consider illegal gun sales or only legal gun sales?

Plan for solving problem computationally (Amari): Together me and my team have done r

Are there privacy concerns or is all data used public knowledge, anonymized, etc.? How will your application access gun sales and gun crime data? Do you have specific sources or databases selected? Do you plan to consider more advanced analytics (i.e., probabilities of a gun crime based on a selected scenario (i.e., time of day, location, average population age, etc.) in NetLogo)? Could your application produce warnings for certain areas within a city, state, etc. based on the gun crime and/or sales data obtained? Could you integrate your application to use the ShotSpotter in Albuquerque, New Mexico or similar technology? For example, displaying the number of shots detected and number of gun sales, gun crimes, etc. in the area? Less specifically, could this be used in SmartCity technology linking to other methods in detecting gun crimes? Have you looked into this or are you planning to? How/will your application consider any error adjustments in the data you are reporting? Will the user be able to edit/adjust the statistical settings and export data for additional analysis? Are there privacy concerns or is all data used public knowledge, anonymized, etc.?

Progress you have made so far (Dajanay):

Expected results (Anastacia):

At least 5 citations:

Crime Mapping https://www.crimemapping.com/map/location/87110?id=

FBI Crime Data https://ucr.fbi.gov/crime-in-the-u.s/2019/crime-in-the-u.s.-2019/tables/table-8/table-8-state-cuts/newmexico.xls

The Trace: Do Gun Buybacks Work https://www.thetrace.org/2023/04/do-gun-buybacks-work-research-data/

NM Gun Violence Dashboard https://www.governor.state.nm.us/gun-violence-dashboard/

Data and Statistics Alcohol Tobacco and Firearms https://www.atf.gov/resource-center/data-statistics