CWRU Data Analytics Boot Camp

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Project Proposal

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**The Who’s and Where’s of Police Shootings**

Background: Our Team is taking a deep dive look into police shootings. With all the current shootings happening we decided to see what type of data we can find correlating data to relevant questions about police shootings

Proposed Project

We found multiple resources that will have been collected from Washington Post, FiveThirtyEight.com, Census Bureau and MappingPoliceViolence.com

We will dig into the data on 4 different axis and find interesting and telling information that can be visualized with matplotlib.

Each team member will dive into an axis

Poyuan Han: Age Bias

Roshini: State Trends

Christina: Will look at data over time

Evan: Will break down the data by city types (Urban, Rural, Suburban)

We will analyze our data axis by looking for correlations to the following areas

1. Police killings
2. Age:
3. Gender
4. Weapon used :
5. Income of City/neighborhood where the killing took place
6. Education levels
7. Did the victim show Signs of mental illness
8. Threat level :Whether the victims were fleeing away from officers

Data Sets:

* Compilation of curated data on /police-violence-in-the-us

<https://www.kaggle.com/jpmiller/police-violence-in-the-us>

This dataset has pulls data from several different sources including from Washington Post related to police-related violence in the United States.

There are multiple csv files with in here

* City and town population totals from Census.gov

<https://www.census.gov/content/census/en/data/datasets/time-series/demo/popest/2010s-total-cities-and-towns.htm>