Atlanta Crime Trends from 2009 - 2019

Dataset Source: https://www.atlantapd.org/i-want-to/crime-data-downloads

**Team Members**: Felix Poley, Lucas Vianna, Dan Do

**Project Name**: Analyzing Atlanta Crime Trends from 2009 - 2019

**Project Description**: This project will be using datasets provided by the Atlanta Police Department to research crime trends over a ten year period. We hope to answer a variety of questions in this project; such as average crimes per day to see which months or weeks have the most crimes occur, which neighborhoods have the most crime and if the types of crimes committed over the 10 year period have changed, what crimes are being committed the most or least consistently?

**Research Questions (data from 2009-2019)**:

**1. Total number of crimes reported (LV)**

**2. Total number of distinct crimes (LV)**

**3. Top 3 crimes by report count (LV)**

4. Average of crimes per year (FP)

**5. Year with fewest crimes (FP)**

**6. Top 10 dangerous neighborhoods (LV)**

**7. Top 10 safest neighborhoods (LV)**

**8. Shift Occurrence (Morning, Day, Evening) with the most crimes (LV)**

9. Date with the most crimes (FP)

10. Date with least crimes

**# Average of crimes per day**

# The year with the most crimes

**Datasets:** <https://www.atlantapd.org/i-want-to/crime-data-downloads>. This dataset covers a 10 year period and has a multitude of columns that break the information down. These columns contain information including to the time the crime occured, the type of crime, the location of the crime, the neighborhood, and the specific latitude and longitude of the crime scenes. It contains almost 6 million cells, some of which contain information not relevant to this project. Our dataset is based off of the COBRA (Command Operations Briefing to Revitalize Atlanta) reports generated each year and compiled into full datasets spanning decades. The title of the dataset is COBRA-2009-2019(Updated 1/9/2020) under the Raw Crime Data Download heading.

**Task breakdown**: Lucas is our project manager, but we will be handling all other duties as a team.