Datasets:

1. Crime Datasets:

**General aggregate crime data for the last 14, 30, 60 days and all crimes since 2011**

RPD\_\_Part\_I\_Crime\_2011\_to\_Present.csv

RPD\_\_Part\_I\_Crime\_60\_Days.csv

RPD\_\_Part\_I\_Crime\_30\_Days.csv

RPD\_\_Part\_I\_Crime\_14\_Days.csv

**Data on the shooting victims specifically**

Rochester\_Shooting\_Victims.csv

**Data on the homicides specifically**

RochesterNY\_Homicides

1. Info datasets:

**Data on geographical districts (beats and sections are area designations), personnel data (ethnicity, gender, etc.) and camera locations in the city**

RPD\_Sections.csv

RPD\_Beats\_.csv

RPD\_Police\_Personnel.csv

Rochester\_Cameras.csv

Dataset descriptions:

We will probably work with RPD\_\_Part\_I\_Crime\_2011\_to\_Present dataset the most.

Fields:

X, Y - Probably coordinates for map visualization

OBJECTID - ID

Geocode\_Address - Geocode-ready address info (format: **building street, city, state, zip**)

Geocode\_Street - Geocode-ready street designation

Address\_StreetFull, Address\_City, Address\_State - Parts of the full address.

Case\_Number - Internal case designation

OccurredFrom\_Date\_Year, OccurredFrom\_Date\_Month, OccurredFrom\_Time, OccurredFrom\_Timestamp - Probably specifies when the crime activity started

OccurredThrough\_Date\_Year, OccurredThrough\_Data\_Month, OccurredThrough\_Time, OccurredThrough\_Timestamp - Probably specifies when the crime activity ended

Reported\_Date\_Year, Reported\_Data\_Month, Reported\_Time, Reported\_Timestamp - Specifies the date and time when the crime was reported

Patrol\_Beat - Beat code (number). Beat is a patrol area designation: <https://en.wikipedia.org/wiki/Beat_(police)>

Patrol\_Section - One of the five major police districts: Central, Genesee, Goodman, Lake, Clinton. If N/A then \*\*\* is used

Case\_Status - The procedural status of the case

Statute\_Title, Statute\_Section, Statute\_Subsection, Statute\_Degree, Statute\_Class, Statute\_Category - Legal mumbo jumbo related to the case, ask Tay. AFAIK, crime classification according to the public law.

Statute\_Text - crime classification (Murder, Burglary, Robbery, Larceny, Aggravated Assault or Motor Vehicle Theft)

Statute\_Description, Statute\_CrimeCategory - More legal mumbo jumbo

Statute\_Attempted - Attempted or completed

Weapon\_Description - What weapon was used (if any)

Larceny\_Type - If crime was a larceny, specifies a subtype of larceny (Theft from a building, from a car, etc.)

Location\_Type - Where the crime took place (Parking Lot, Street, College, etc.)

Geo\_Beat, Geo\_Section, Geo\_Section\_Num - Geocode data for the beat and section

Ideas:

Crime rate before/after arrival of Uber

Heat of crimes around bars / businesses

Gerrymandering / geographical distribution (income/education levels)

Temporal patterns (day of the week / season / Holidays / Sports events / recurrence rates)

* Superbowl, Elections, Pay day, Lilac festival

Arrests to 911 calls ratio

Donut shops

Full moon

Task breakdown:

Plot week/month/year dependency; Plot heatmap (Georgiy)

Tweets (Anis)

Donut shops (Tay)

Bar locations (Kamrul)