

Date: 1 October 2015

**AZAVEA, INC.**  
**Desired Data Elements from NYPD**  
**Agreement PIN 0561500001005**

1. For this test project, the NYPD will provide five (5) or more years of crime complaint data to use in modeling. This data is required. Each record will consist of at least the following information:
  - a. Crime type
  - b. Latitude and Longitude (or projected coordinates)
  - c. Date and time of occurrence
  - d. Complaint number
  - e. Last Update date and time

Crime types will be provided at a fine-grained resolution (such as UCR code) and data will be provided for all crime types so that precursor events can be used within predictive models.

Latitude and longitude information will reflect true coordinates and not be adjusted to mask the true location of events.

Dates and times will be provided in ISO 8601 format or a similarly common standard.

Complaint Number values are unique record identifiers so that Azavea can de-duplicate records that have been updated in subsequent data extracts.

2. In addition to the crime complaint data, additional crime correlate data will also be provided. This data is not strictly required but enhances the model. These layers include any point, line, or polygon geographic feature set that NYPD would like to include including, but not limited to, the locations of:
  - a. Schools
  - b. Hospitals
  - c. Subway Entrances
  - d. Mental Health Facilities
  - e. Methadone Clinics
  - f. Pawn Shops
  - g. Liquor Licenses
  - h. Restaurants
  - i. Laundry Facilities



- j. Parks
  - k. Police Stations
3. A geographic raster grid can also be provided by the NYPD and loaded into HunchLab so that predictions (and the resulting target areas) align with both internal and external systems being evaluated. This grid would ideally be provided in GeoTIFF format but could also be provided in other common raster formats. If not provided, Azavea will design such a grid.