

in this project, explore ONE of the datasets that's in the attached zip. I've included a set of CSV files that you can open with the csv module, similar to what was done in class 9. Also similar to the class 9 lab tasks, you'll find out some answers about the data using Python.

Project tasks:

1. Take a look at the data in the CSV file for the dataset. Note what the values are in each field and if there are any inconsistencies in how they are entered.
2. Create Python code to find out some statistical information about the data in the dataset you choose. Come up with 5 of your own questions to ask based on the specific information in your dataset. For example, highest/lowest, most common, length of time, etc.
3. Allow a user to search for records in the dataset that match their input text. For example, show users a menu of field names, allow them to choose one, and search for data in that field. Maybe they want to see all records for a particular borough.
4. When making comparisons to find matches, you might find it helpful to put the search word and the data being searched into the same case. (For example, if the user puts in 'Queens', you'd want to be able to match records where the data is stored as 'QUEENS'.

Submission: Your python notebook. You can also use the Python script format.

Here is an overview of the datasets in the zip, including the type of information included.

- **Evictions:** Date, Residential/Commercial, Borough, Zip Code, Eviction/Legal Possession
- **NYPD Shooting Incidents:** Time, Boro, Precinct, Victim Age, Victim Sex, Victim Race
- **Restaurant Inspection Results:** Boro, Zip Code, Violation, Critical Flag, Grade, Inspection Type
- **Film Permits:** Event Type, StartDateTime, EndDateTime, Borough, Category
- **NYPD Hate Crimes:** Complaint Year, Month, Law Code, PD Code Description, Bias Motive Description, Offense Category
- **NYC WiFi Hotspots:** Type, Provider, Location, City, SSID, Neighborhood
- **Bus Breakdown and Delays:** School Year, Run Type, Reason, Bus Company Name, How Long Delayed, Number of Students, Breakdown or Running Late
- **Urban Park Ranger Animal Condition Response:** Property, Species Description, Call Source, Species Status, Animal Condition, Age
- **Bilingual Program List:** Borough, District, School Category, Program, Language, General/Special Education
- **Asbestos Control Program:** Status Description, Borough, Facility Type, ACM Type, ACM Amount, ACM Unit, Abatement Type
- **Affordable Housing:** Project Completion Date, Borough, Reporting Construction Type, Studio Units, 1-BR Units, 2-BR Units, 3-BR Units, 4-BR Units
- **Inmates in Custody:** Custody Type, Race, Gender, Age, Sealed, Top Charge, Infraction