Data Table Schema

311_service_requests
Service requests made to the 311 hotline in the City of New York (agency, complaint type, descriptor, location, etc.).
~1 million rows & 19 columns. Size: ~70MB zipped, ~425MB unzipped. Source: NYC Open Data - 311.

Field	Type	Description
unique_key	INTEGER	Unique key of the service request
created_date	STRING	Date when the service request was created. Format mm/dd/yyyy and hh:mm:ss AM/PM.
closed_date	STRING	Date when the service request was closed. Format mm/dd/yyyy and hh:mm:ss AM/PM.
agency_acronym	STRING	Acronym of agency responsible for the request
agency_name	STRING	Name of agency responsible for the request
complaint_type	STRING	General type of the complaint filed
descriptor	STRING	Detailed description of incident
location_type	STRING	A description of the incident location such as home, sidewalk, apartment, restaurant, etc.
incident_zip	STRING	5-digit zip code of the incident
incident_address	STRING	Address where incident occurred
street_name	STRING	Name of street where incident occurred
city	STRING	City where incident occurred
status	STRING	Status of the request (e.g. "Closed")
due_date	STRING	Date that request is due. Format MM/DD/YYYY HH:MM:SS AM/PM
resolution_date	STRING	Date that request was resolved. Format MM/DD/YYYY HH:MM:SS AM/PM
community_board	STRING	Name of the local community board
borough	STRING	Borough where incident occurred
latitude	FLOAT	Latitude coordinate of the location
longitude	FLOAT	Longitude coordinate of the location

food_establishment_inspections
Information about food service establishment (facility, address, date of inspection, location etc.), the inspection description, and any violations that were found at the time since 2005.
~1 million rows & 23 columns. Size: ~90MB zipped, ~425MB unzipped. Source: New York State Department of Health.

Field	Type	Description
facility	STRING	Food service establishment name
address	INTEGER	Food service establishment address
inspection_date	STRING	Inspection date. Format MM/DD/YYYY
violation_item	STRING	Item code for the violation
violation_description	STRING	Description of violation
critical_violation	STRING	Critical violation or not
num_critical	INTEGER	Total number of critical violations
num_critical_not_corrected	INTEGER	Total number of uncorrected critical violations
num_noncritical	INTEGER	Total number of non-critical violations
local_health_department	STRING	Name of local health department
county	STRING	County name
facility_code	STRING	Code of the food service establishment
city	STRING	City of the food service establishment
zipcode	STRING	Zipcode of the food service establishment
municipality	STRING	Municipality of the food service establishment
permit_expiration_date	STRING	Expiration date of permit to do business. Format MM/DD/YYYY
food_service_type	STRING	Type of food service
food_service_description	STRING	Description of food service
nys_inspection_id	INTEGER	Health inspection ID
inspection_type	STRING	Type of inspection
inspection_comments	STRING	Comments from the inspection
latitude	FLOAT	Latitude coordinate of the establishment
longitude	FLOAT	Longitude coordinate of the establishment

community_health

Monitored values of various health indicators (health topic, county, indicator, event count, location, etc.) for every county in the State of New York, taken from periods throughout 2008 – 2015.

24,564 rows & 13 columns. Size: ~5MB. Source: [NY Department of Health](#).

Field	Type	Description
county_name	STRING	County
health_topic	STRING	Full title for the specific health topic area of interest
indicator	STRING	Description of the indicator
event_count	FLOAT	Total event count for rate of occurrence of indicator

avg_num_of_denominator	FLOAT	Average number of denominator used for calculation
unit_measurement	STRING	Is it a percentage or rate being estimated
percent_or_rate	FLOAT	Percentage or rate estimate
low_limit_95p_CI	FLOAT	Lower limit of the 95% confidence intervals for percentage estimates
upper_limit_95p_CI	FLOAT	Upper limit of the 95% confidence intervals for percentage estimates
data_comment	STRING	Information about instability or suppressed data due to small occurrence of events
year	STRING	Period for which data was collected about the indicator. Format YYYY-YYYY+2
data_source	STRING	Source which data was obtained from
lat_long	STRING	Latitude and longitude coordinates of the location. Format (lat, long)

demographics_city

Demographic data (population, age, income, etc.) organized alphabetically by Neighborhood Tabulation Area (NTA).
188 rows & 33 columns. Size: ~0.1MB. Source: NYC Department of City Planning.

Field	Type	Description
nta_name	STRING	Name of NTA
borough	STRING	Borough that NTA is located in
nta_code	INTEGER	Identifying code for NTA
population	INTEGER	Total number of people in NTA
age brackets (14 total)	INTEGER	Number of people in given age bracket
median_age	FLOAT	Median age of people in NTA
people_per_acre	INTEGER	Number of people per acre
households	INTEGER	Total number of households in NTA
income brackets (10 total)	INTEGER	Number of households in given income bracket
median_income	INTEGER	Median household income
mean_income	INTEGER	Mean household income

demographics_state

Demographic data (households, income level, health insurance coverage etc.) organized by New York counties, taken from 2011 – 2016. All income and earnings values are denominated in that particular year's dollars.
378 rows & 26 columns. Size: ~0.1MB. Source: U.S. Census.

Field	Type	Description
year	STRING	Year of data when it was estimated
geography	INTEGER	Geographical location by county
total_households	INTEGER	Total households (including singles)
Income brackets (10 total)	INTEGER	Households in given income bracket
median_household_income	INTEGER	Median household income
mean_household_income	INTEGER	Mean household income
mean_earnings	INTEGER	Mean earnings
mean_soc_sec	INTEGER	Mean social security income
mean_ret_income	INTEGER	Mean retirement income
mean_supp_sec_income	INTEGER	Mean Supplemental Security Income
mean_cash_pub_income	INTEGER	Mean cash public assistance income
food_stamp_benefits	INTEGER	Total food stamp or SNAP benefits in the past 12 months
population	INTEGER	Civilian non-institutionalized population
pop_w_health_insurance	INTEGER	Population with health insurance
pop_w_private_health	INTEGER	Population with private health insurance
pop_w_public_coverage	INTEGER	Population with public coverage
pop_no_health_insurance	INTEGER	Population with no health insurance

environmental_radiation

Environmental samples and measurements of radioactive materials (sample type, sampling frequency, location, isotope, value, etc.) taken at various power plants in New York State from 2001 – 2016.

20,485 rows & 10 columns. Size: ~2MB. Source: New York State Department of Health.

Field	Type	Description
location_code	STRING	Location code
sample_type	STRING	Type of sample such as air, water, fish, milk, sediment, etc.
sample_location	STRING	Location of sample such as power plant
sampling_frequency	STRING	Frequency of sampling which occurred for the particular isotope
sampling_date	STRING	Sampling date. Format YYYY-MM-DD
isotope_name	STRING	Chemical name of measured isotope
value	STRING	Measured value with uncertainty. Format value+/-uncertainty
units	STRING	Measurement units (e.g. pCi/1000m^3)
graph_value	FLOAT	Measured value of isotope concentration
comment	STRING	Additional comments on particular sample

food_establishments_inspections_city

Information about food service establishment (name, address, type of cuisine, date of inspection, location etc.), the inspection description, and any violations that were found at the time for particularly NYC (all boroughs).
~375,000 rows & 15 columns. Size: ~17MB zipped, ~135MB unzipped. Source: NYC Open Data.

Field	Type	Description
name	STRING	Name of the food establishment
borough	STRING	Borough in NYC whereby the business resides in
street_name	STRING	Street address where the business is located
zipcode	INTEGER	Area code whereby the business is located
phone	INTEGER	Phone number of business
cuisine	STRING	Typical type of cuisine
date_inspection	STRING	Inspection date. Format MM/DD/YYYY
action	STRING	Outcome of inspection
violation_code	STRING	Code of violation infraction
description_violation	STRING	Description of the violation
crit_or_noncrit	STRING	Was the violation critical or not
score	INTEGER	Total score for a particular inspection. If there was adjudication a judge may reduce the total points for the inspection and this field will have the updated amount
grade	STRING	N = Not yet graded, A = Grade A, B = Grade B, C = Grade C, Z = Grade Pending, P = Grade Pending issued on re-opening following an initial inspection that resulted in a closure
grade_date	STRING	Date when grade was assigned to particular establishment. Format MM/DD/YYYY
Inspection_type	STRING	Description of inspection and program type

food_venues

Information about restaurants and grocery stores (business name, street address, city, state, location, etc.) across the United States.
~750,000 rows & 9 columns. Size: ~17MB zipped, ~85MB unzipped. Source: Leads Deposit (private).

Field	Type	Description
business_name	STRING	Name of the business
street_address	STRING	Street address where the business is located
city	STRING	Name of the city the business is located in
state	STRING	State in which the business is located in
country	STRING	Country in which the business is located in
latitude	FLOAT	Latitude coordinate of the business's location

longitude	FLOAT	Longitude coordinate of the business's location
categories	STRING	Description of products and services offered, comma-delimited
type	STRING	Restaurant or grocery store

geographic

Data about the shape of each NTA (latitude and longitude coordinates, in order) in New York City.

9,302 rows & 195 columns. Size: ~4MB. Source: NYC Open Data.

Field	Type	Description
nta_code sections (195 total)	FLOAT	Alternating longitude and latitude coordinates, in order, of the vertices of the polygon shape that define the boundaries of the given NTA code