



π

Open Data & SodaPy



π



Agenda

- Open Data
- Socrata & Open Data Network
- Socrata API (SODA)
- SodaPy Demo

Open Data

Data should be freely available to everyone to use and republish as they wish.

- Availability and access
- Redistribution
- Universal participation

Socrata

- Founded in 2007 in Seattle, WA.
- Public sector focused data as a service (DaaS) platform
- Goal is to break down data silos

Open Data Network

- Introduced by Socrata in 2014
 - Indexes and catalogues all open data sets into a single self-service platform
- Public Sector / Government
 - 314 total (U.S. & foreign) participants



Socrata API (SODA)

- Code name “SODA”
- Supports many languages & response formats
 - JSON, XML, CSV ..and more
 - <https://dev.socrata.com/libraries/>
- API endpoints
 - Every dataset has its own endpoint
 - Every individual record has its own endpoint
 - Unique 8 character ID (e.g. ydr8-5enu)

Socrata API (SODA)

- Filtering mechanisms
 - Simple Filters
 - Any field within the data can be used as a filter
https://data.cityofchicago.org/resource/f7f2-ggz5.json?fuel_type_code=LPG
 - SoQL (Socrata Query Language) Filters
 - Borrows heavily from SQL
[https://soda.demo.socrata.com/resource/4tka-6guv.json?\\$where=magnitude > 3.0](https://soda.demo.socrata.com/resource/4tka-6guv.json?$where=magnitude > 3.0)

SodaPy Demo



DOHMH New York City Restaurant Inspection Results

Health

The dataset contains every sustained or not yet adjudicated violation citation from every full or special program inspection conducted up to three years prior to the most recent inspection for restaurants and college cafeterias in an active status on the RECORD DATE (date of the data pull). When an inspection results in more than one violation, values for [More](#)

Updated
March 5, 2020
Data Provided by
Department of Health and
Hygiene (DOHMH)

View Data

Visualize

Export

API



Access this Dataset via SODA API



The Socrata Open Data API (SODA) provides programmatic access to this dataset including the ability to filter, query, and aggregate data.

[API Docs](#)

[Developer Portal](#)

API Endpoint

<https://data.cityofnewyork.us/resource/43nn-4>

JSON

Copy

About this Dataset

Updated

March 5, 2020

Data Last Updated

March 4, 2020

Metadata Last Updated

March 5, 2020

Date Created

August 1, 2014

Views

69.9K

Downloads

34.1K

Update

Update Frequency Daily

Automation Yes

Date Made Public 7/10/2015

Dataset Information

Agency Department of Health and Mental Hygiene (DOHMH)

Attachments