

Open Data & You

Computer Science Discipline Council
December 6, 2019

NYC Analytics

Mayor's Office of Data Analytics

What do we do?

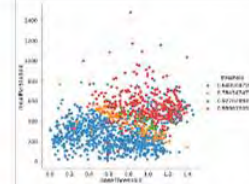
Read more at our
Open Source
Analytics Library:

bit.ly/MODALIB



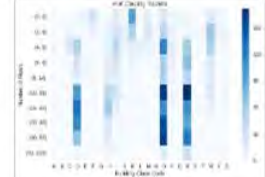
Illegal Conversions

Landlords who illegally carve out additional dwelling units in residential buildings put lives at risk. MODA built a model to help building inspectors visit the most dangerous locations first.



Free Lunch For All

One in every 67 Americans under the age of 18 is a public school student in New York City. MODA partnered with the Department of Education to help its Office of School Support Services deliver free lunch to them all.



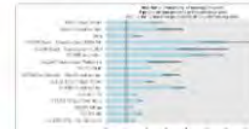
Legionnaires' Disease Response

MODA assisted in a citywide response effort after an outbreak of Legionnaires' Disease.



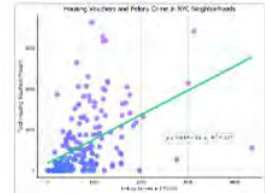
Universal Pre-K Rollout

When City Hall expanded free early years education to more than 50,000 four-year-olds across the five boroughs, MODA stepped in to provide crucial data management and analytics support.



Tenant Harassment Prevention

MODA helped the Tenant Harassment Prevention Taskforce focus inspection and enforcement resources where risk is highest.



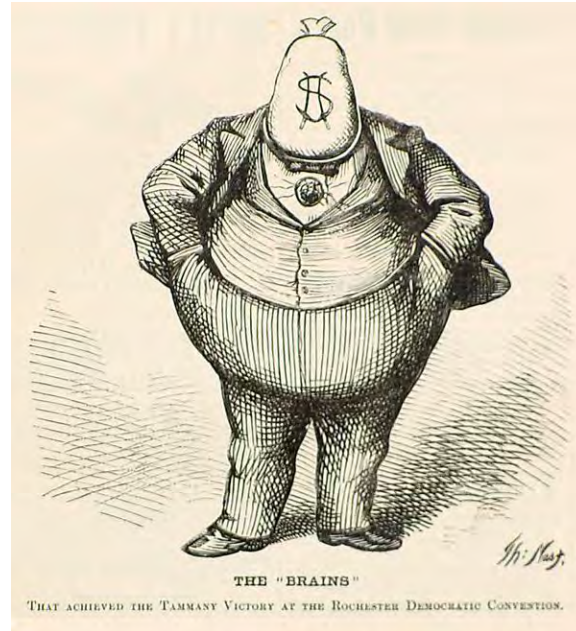
Fighting Source of Income Discrimination

The NYC Commission on Human Rights partnered with MODA to assist in identifying sites of potential income discrimination.

What is NYC Open Data?

Late 19th and Early 20th century

Civil service created to combat graft, patronage, and spoils



1960s – 1970s

Freedom of Information laws are passed around the country – *available* by default

OPTIONAL FORM NO. 10
JULY 1973 EDITION
GSA FPMR (41 CFR) 101-11.8

UNITED STATES GOVERNMENT

REPORT

Memorandum

TO : Director, FEDERAL GOVERNMENT

DATE: *Peckham* JAN 31 1977

FROM : *MESS* Michael E. Shaheen, Jr., Counsel
Office of Professional Responsibility

SUBJECT: Excised Report on FBI's Martin Luther King Investigations

Attached is a copy of the excised version of the report of this Office's Martin Luther King Task Force. Excisions were made to protect the privacy rights of persons, to protect sensitive FBI sources and methods, and to delete classified material. In addition, changes were made to correct factual errors which were in the original version of the report.

No decision has been made on whether this report will be released to the public.

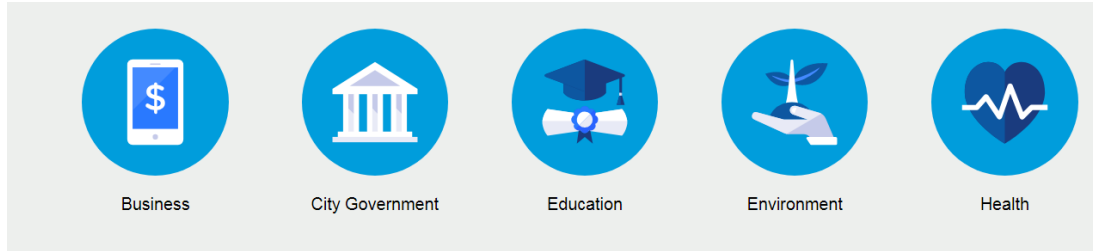
*5. Recliner + Gaudy return
7 JTA/HH/paris/tya*

1- ENCL

INS

EX 104
REC 61
100-106670-4620
3 FEB 18 1977
100-106670

2012 Open Data Law – *public* by default



Datasets by Agency

Browse data by the City office or agency that makes and maintains it.

- 311
- [Administration for Children's Services \(ACS\)](#)
- [Alliance for Downtown New York](#)
- [Banking Commission](#)
- [Board of Correction \(BOC\)](#)
- [Board of Elections \(BOENY\)](#)
- [Board of Standards and Appeals \(BSA\)](#)
- [Bronx Borough President \(BPBX\)](#)
- [Financial Information Services Agency \(FISA\)](#)
- [Fire Department Pension Fund & Related Funds](#)
- [Fire Department of New York City \(FDNY\)](#)
- [Health and Hospitals Corporation \(HHC\)](#)
- [Human Resources Administration \(HRA\)](#)
- [Landmarks Preservation Commission \(LPC\)](#)
- [Latin Media & Entertainment Commission \(LMEC\)](#)
- [Law Department \(LAW\)](#)



Department of Buildings

Date Received: 05/16/2017
Unit: Plumb
Category: 94

Department of Health & Mental Hygiene

Dataset: NYC Resident Inspections
Building: 841
Inspection Date:

Department of Transportation

Dataset: Real-Time Traffic Speed Data
ID: 535
Speed: 11.2

Taxi and Limousine Commission

Dataset: Medallion Vehicles - Authorized
Name: Alexander T...
VIN Number: JTDZ38U...

Vehicle Type: HYB
Expiration: 05/31/2018

Department of Transportation

Dataset: Street Paving Rating
Rating: Fair
Width: 40.0'

Department of Finance

Dataset: Park...
Issued: 03/3...

Department of Sanitation

Dataset: Public Recycling Bins
Site type: Outdoor
Latitude: 40.73534
Longitude: -73.990127

Improve User Experience

Making it easier for all New Yorkers to request, find, understand, and use data

Strengthen City's Capacity

Supporting City agencies and other publishers to NYC Open Data with better tools, more resources, clearer standards, and stronger connections with existing Open Data operations

Build Communities

Supporting New Yorkers with tools and information to help them solve local problems, and amplifying the voices of people who find solutions using NYC open data



Open Data for All New Yorkers

Open Data is free public data published by New York City agencies and other partners. **Sign up for the NYC Open Data mailing list** to learn about training opportunities and upcoming events!

Search Open Data for things like 311, Buildings, Crime

The Next Decade of Open Data

2019 Open Data for All Report



Learn about the next decade of NYC Open Data, and read our 2019 Report

Datasets on NYC Open Data

Dog Licensing



data.cityofnewyork.us/Health/NYC-Dog-Licensing-Dataset/nu7n-tubp

Dog Licensing

Table Preview

View Data

Create Visualization

RowNu...	AnimalN...	AnimalG...	AnimalB...	BreedNa...	Borough	ZipCode	Licensel...	LicenseE...	Extract ...
1	PAIGE	F	2014	American Pit ...		10035	09/12/2014	09/12/2017	2016
2	YOGI	M	2010	Boxer		10465	09/12/2014	10/02/2017	2016
3	ALI	M	2014	Basenji		10013	09/12/2014	09/12/2019	2016
4	QUEEN	F	2013	Akita Crossbr...		10013	09/12/2014	09/12/2017	2016
5	LOLA	F	2009	Maltese		10028	09/12/2014	10/09/2017	2016
6	IAN	M	2006	Unknown		10013	09/12/2014	10/30/2019	2016
7	BUDDY	M	2008	Unknown		10025	09/12/2014	10/20/2017	2016
8	CHEWBACCA	F	2012	Labrador Ret...		10013	09/12/2014	10/01/2019	2016
9	HEIDI-BO	F	2007	Dachshund S...		11215	09/13/2014	04/16/2017	2016
10	MASSIMO	M	2009	Bull Dog, Fre...		11201	09/13/2014	09/17/2017	2016
11	LOLA	F	2006	Miniature Pin...		10022	09/13/2014	10/03/2019	2016
12	LEMMY	F	2005	Yorkshire Ter...		10003	09/13/2014	10/26/2017	2016
13	LUCY	F	2014	Dachshund S...		11215	09/13/2014	09/13/2019	2016
14	RICKY	M	2014	German She...		11220	09/13/2014	09/13/2017	2016

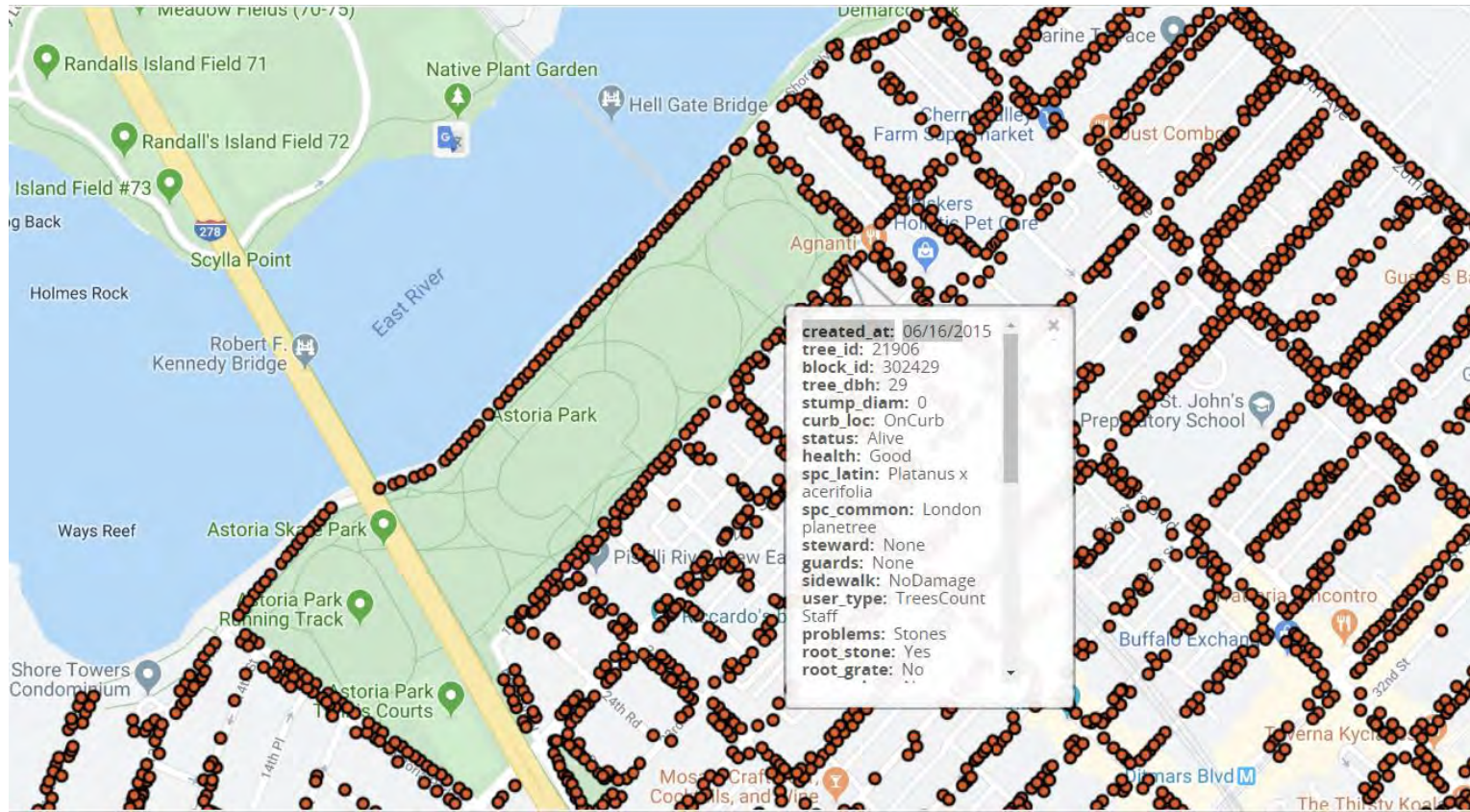
data.cityofnewyork.us/Health/NYC-Dog-Licensing-Dataset/nu7n-tubp

2015 Street Tree Census



data.cityofnewyork.us/Environment/2015-Street-Tree-Census-Tree-Data/pi5s-9p35

2015 Street Tree Census



data.cityofnewyork.us/Environment/2015-Street-Tree-Census-Tree-Data/pi5s-9p35

311 Service Requests



data.cityofnewyork.us/Social-Services/311-Service-Requests-from-2010-to-Present/erm2-nwe9

311 Service Requests

311 Service Requests from 2010 to Present

All 311 Service Requests from 2010 to present. This information is automatically updated daily.

Find in this Dataset

More Views | Filter | Visualize | Export | Discuss ¹⁹ | Embed | About

Unique Key	Created Date	Closed Date	Agency	Agency Name	Complaint Type	Descriptor
45080058	12/04/2019 10:46:10 PM	12/05/2019 02:01:00 AM	NYPD	New York City Police Department	Blocked Driveway	Partial Access
45080618	12/04/2019 10:45:14 PM	12/05/2019 01:21:33 AM	NYPD	New York City Police Department	Noise - Residential	Loud Music/Party
45085535	12/04/2019 10:45:08 PM		DOT	Department of Transportation	Broken Parking Meter	No Receipt
45086162	12/04/2019 10:44:46 PM	12/05/2019 12:56:03 AM	NYPD	New York City Police Department	Noise - Vehicle	Car/Truck Horn
45083475	12/04/2019 10:44:33 PM	12/04/2019 10:45:53 PM	NYPD	New York City Police Department	Illegal Parking	Blocked Sidewalk
45080908	12/04/2019 10:44:19 PM		TLC	Taxi and Limousine Commission	For Hire Vehicle Complaint	Driver Complaint - Non Pa
45079713	12/04/2019 10:44:03 PM		HPD	Department of Housing Preservation...	HEAT/HOT WATER	ENTIRE BUILDING
45082702	12/04/2019 10:44:00 PM		DEP	Department of Environmental Protec...	Noise	Noise: Construction Befor
45086271	12/04/2019 10:43:59 PM		HPD	Department of Housing Preservation...	HEAT/HOT WATER	ENTIRE BUILDING
45078238	12/04/2019 10:43:55 PM	12/04/2019 11:00:42 PM	NYPD	New York City Police Department	Noise - Street/Sidewalk	Loud Music/Party
45083951	12/04/2019 10:43:24 PM		HPD	Department of Housing Preservation...	HEAT/HOT WATER	ENTIRE BUILDING
45081740	12/04/2019 10:43:20 PM		HPD	Department of Housing Preservation...	DOOR/WINDOW	WINDOW FRAME
45083379	12/04/2019 10:43:07 PM		NYPD	New York City Police Department	Illegal Parking	Double Parked Blocking Tr
45085647	12/04/2019 10:43:00 PM	12/04/2019 10:54:34 PM	NYPD	New York City Police Department	Illegal Parking	Blocked Bike Lane
45085897	12/04/2019 10:42:51 PM	12/04/2019 11:18:25 PM	NYPD	New York City Police Department	Noise - Residential	Loud Music/Party

Central Park Squirrel Census



data.cityofnewyork.us/browse?Data-Collection_Data-Collection=2018+Central+Park+Squirrel+Census

Central Park Squirrel Census

2018 Central Park Squirrel Census

The Squirrel Census is a multimedia science, design, and storytelling project focusing on the Eastern gray (*Sciurus carolinensis*). They count squirrels and present their findings to the public. In October 2018 — with the help of 323 volunteer Squirrel Sighters, as well as The Explorers Club, NYU Department of Environmental Studies, Macaulay Honors College, the Central Park Conservancy, and New York City Department of Parks & Recreation — they tallied the squirrels in Central Park in New York, NY, and gathered other material data. The Central Park Squirrel Census (CPSC) resulted in the June 2019 release of the multimedia report *The Central Park Squirrel Census 2019 Report*. This is the raw data from the Census observation period. The data was digitally tabulated from over 3,000 pages of tally sheets used during the Census by the Squirrel Sighters. It encompasses 700 total squirrel-counting sessions over 350 “countable” park hectares.

4 Results filtered by [Data Collection 2: 2018 Central Park Squirrel Census](#) [Clear All](#) Sort by [Most Accessed](#)

2018 Central Park Squirrel Census - Squirrel Data

Environment

Dataset

The Squirrel Census (<https://www.thesquirrelcensus.com/>) is a multimedia science, design, and storytelling project focusing on the Eastern gray (*Sciurus carolinensis*). They count squirrels and present their findings to the public. [This More](#)

Updated
October 18, 2019
Views
6,232

Tags: squirrel census

[API Docs](#)

2018 Squirrel Census Fur Color Map

Environment

Map

The Squirrel Census (<https://www.thesquirrelcensus.com/>) is a multimedia science, design, and storytelling project focusing on the Eastern gray (*Sciurus carolinensis*). They count squirrels and present their findings to the public. [This More](#)

Updated
October 18, 2019
Views
2,898

Tags: No tags assigned

2018 Central Park Squirrel Census - Stories

Environment

Dataset

The Squirrel Census (<https://www.thesquirrelcensus.com/>) is a multimedia science, design, and storytelling project focusing on the Eastern gray (*Sciurus carolinensis*). They count squirrels and present their findings to the public. [This More](#)

Updated
October 15, 2019
Views
385

Tags: squirrel census

[API Docs](#)

2018 Central Park Squirrel Census - Hectare Data

Environment

Dataset

The Squirrel Census (<https://www.thesquirrelcensus.com/>) is a multimedia science, design, and storytelling project focusing on the Eastern gray (*Sciurus carolinensis*). They count squirrels and present their findings to the public. [This More](#)

Updated
October 18, 2019
Views
363

Tags: squirrel census

[API Docs](#)

data.cityofnewyork.us/browse?Data-Collection_Data-Collection=2018+Central+Park+Squirrel+Census

Open Data in the Wild

How's My Driving NY

Search New York City parking & camera violations

howsmymydrivingny.nyc

Apartment building grades based on facts, not opinions

Rentlogic grades 1.1 million apartment buildings in New York City based on physical inspections and objective health and safety standards.










To look up your building's grade, enter the address here



1 in 4

New Yorkers use Rentlogic before they sign a lease.

[Learn More →](#)

A Excellent	B Good	C Needs Improvement	F Unacceptable	
 Mold	 Sanitation	 Gas	 Plumbing	 Rodents
 Electrical	 Heat	 Cockroaches	 Water	 Sewage

[Learn more](#)





BoardStat

BoardStat was designed with community boards for community boards. BoardStat is a highly interactive tool for community boards that empowers users to discover issues and trends within their district's boundaries. BoardStat empowers board staff and members to gain timely insights into NYC 311 data, and is furthering the Manhattan Borough President Gale A. Brewer's long standing goal of making government transparent, reactive, and moving beyond open data access to meaningful use.

In collaboration with Manhattan's community board district managers, board members, CUNY Service Corps, Microsoft Civic, and BetaNYC, we have developed a number of data dashboards that to provide a variety of summaries, graphs, and maps of NYC 311 service request data. This tool pulls directly from NYC's open data portal and turns the city's open data into a decision making tool.



boardstat.beta.nyc

Wednesday, October 9th 2013

🕒 2:23 am

⏪ Slower ⏩ Faster

Time Factor: 5 minutes per second

📍 Legend

- Full Taxi
- Empty Taxi*
- Trip Start Point
- Trip End Point
- Trip Route*

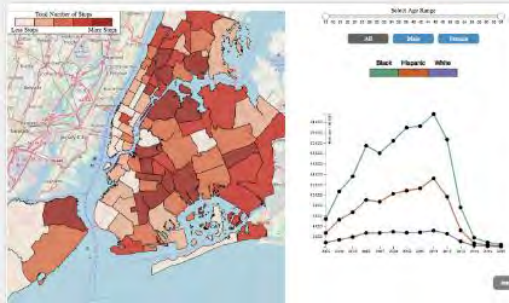
🔄 Load Another Taxi!

👤 Running Totals

Fares:	\$27.00
Surcharge:	\$1.50
MTA Tax:	\$1.50
Tips*:	\$3.00
Tolls:	\$0.00
Total:	\$33.00
Passengers:	3



chriswhong.github.io/nyctaxi/



CIVIC ADVOCATE DATA JOURNALISM

Stop, Question, and Frisk Visualized

Quinn Hood

This project allows people to look at the rates of stop, question, and frisk actions in NYC by race/ethnicity, as well as see the exact location of each stop over the course of 2003 to 2016 in an interactive visualization.

TAGS: **MAP** **NEW YORK CITY**



COMPANY POWERED BY NYC OPEN DATA

INTERESTING TECH

Automatic Reconstruction of Immersive Urban Environments

Geopipe

Geopipe automatically reconstructs semantically rich virtual 3D models of the real world for simulations, gaming, and architecture.

TAGS: **ALGORITHMS** **NEW YORK CITY**
PYTHON **REAL ESTATE**



CIVIC ADVOCATE NONPROFIT

JailVizNYC

Vera Institute of Justice/Navena Chaitoo

JailVizNYC is an interactive dashboard that allows people to easily filter the data, view population trends, and explore the charges holding people in jail. It can help identify where reforms are needed at arrest or arraignment and during case processing or sentencing to reduce the jail population.

TAGS: **CRIMINAL JUSTICE** **DASHBOARD**
NEW YORK CITY



See more at opendata.cityofnewyork.us/projects/

Open Data Week!

BetaNYC

+

NYC[®] OpenData



Data through Design (DxD)

Annual exhibition celebrating creative tangible and multimedia expressions of New York City's Open Data.

Technologists, artists, and designers can create novel methods of data representation, present new narrative perspectives, and develop a deeper understanding of life in the city using data as a medium.

Last year's theme revolved around NaN, "Not a Number" a numeric data type value representing an undefined or unrepresentable value, to speak to the ways in which space and place are being transformed and shaped by numbers meant to represent (sometimes unrepresentable) complexity in the everyday.



NYC School of Data

Happy Birthday,
NYC #OpenData Law!

Open Data Week 2020

February 28 - March 7

Data Through Design opening



February
2020

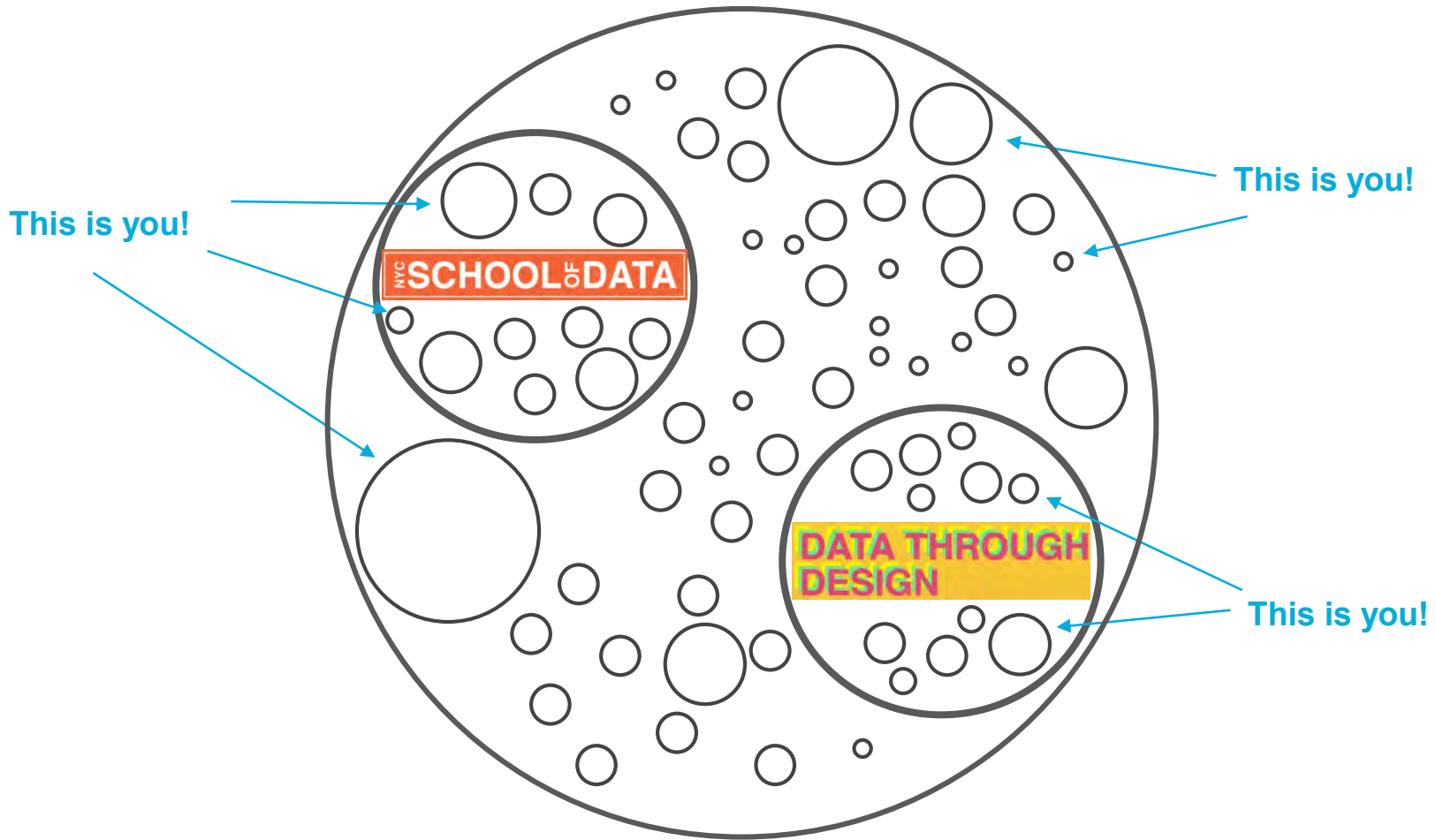
Friday 28	Saturday 29
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March
2020

Sunday 1	Monday 2	Tuesday 3	Wednesday 4	Thursday 5	Friday 6	Saturday 7
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NYC School of Data
International Open Data Day
Happy Birthday NYC Open Data Law!





Panel discussion / Fireside chat?



NYC Opportunity @NYCOpportunity · Jul 14

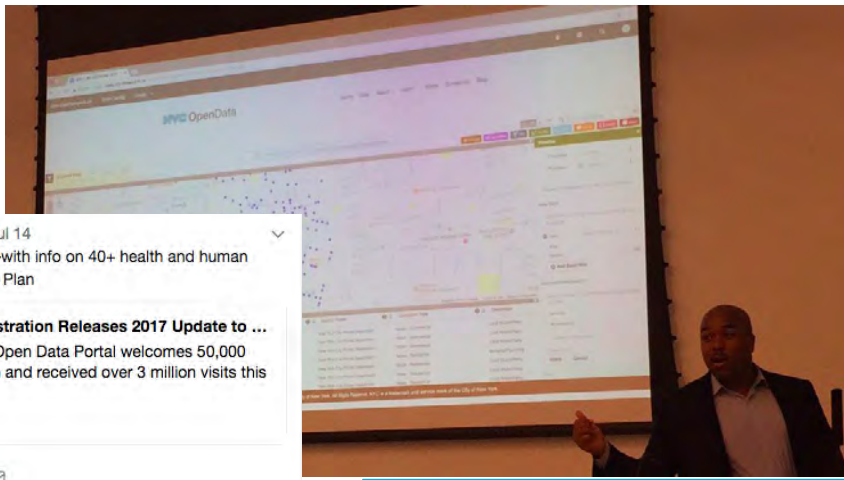
Proud that our Benefits & Programs API—with info on 40+ health and human services—is part of NYC 2017 Open Data Plan



De Blasio Administration Releases 2017 Update to ...
Redesigned NYC Open Data Portal welcomes 50,000 new users a month and received over 3 million visits this year alone
nyc.gov



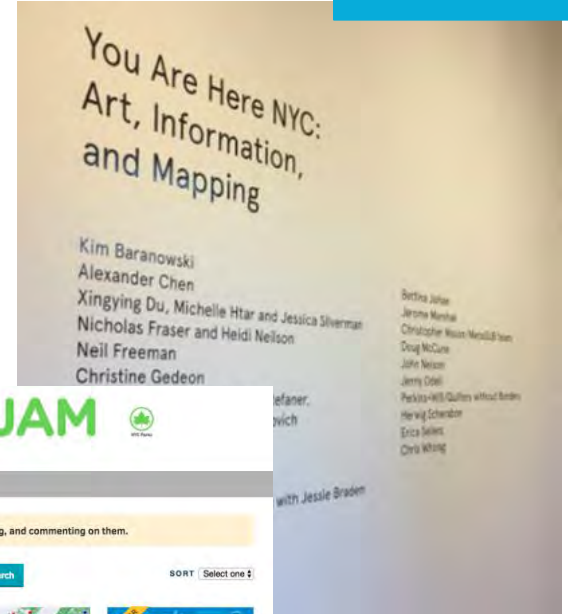
Themed event?



Workshop or Training?

NYC OpenData

Art exhibit?



NYC OPEN DATA WEEK: "DATA AND... HEALTH"

NEW YORK CITY

About this event

Event Overview: In collaboration with the first annual NYC Open Data Week, GA is bringing together influencers from the health and wellness spaces to discuss how data is impacting their organizations.

What You'll Take Away:

- How data is driving innovations within the healthcare industry
- Where data plays the biggest role in evolving organizations and how it impacts their ability to more accurately predict future trends.

Why It's Important: Big Data is continuing to significantly impact the way in which organizations operate and make informed business decisions. Emerging technologies are now paving the way to innovative medical developments, and it looks as though data is



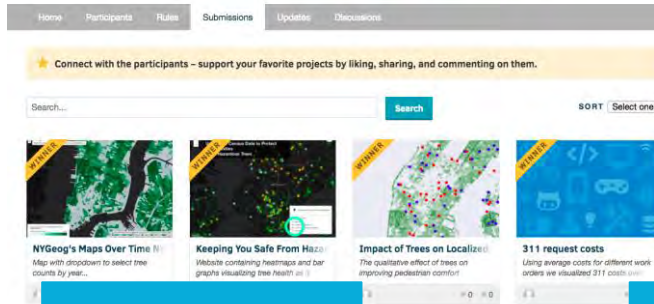
New York City campuses

GA NYC (Manhattan), HQ
90 Broadway, 4th Floor
New York NY 10010

GA NYC (Manhattan), Classroom
10 East 21st Street
New York NY 10010

Past Locations for this Event

TREES COUNT DATA JAM



Data Jam or Hackathon?

Showcase or Demo?

Open Data Week 2019: Nearly 50 events engaged 3,000 New Yorkers across NYC

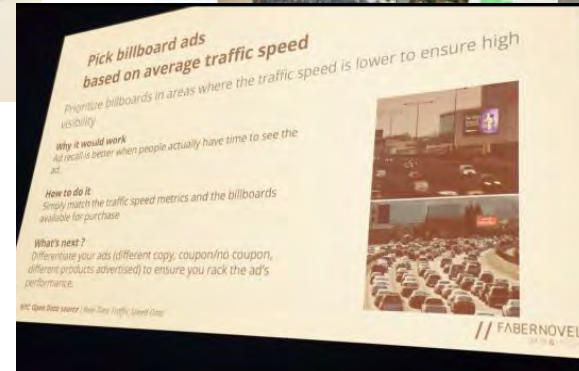


NYC OpenData

Want to learn more about open data? Already an avid user of open data? Excited to celebrate NYC's law that mandates that open data be available for all New Yorkers?

Join for a week of celebrations of the 5-year anniversary of the NYC Open Data Law. Open Data enables and empowers New Yorkers like you to better understand how your City works and what is happening in your neighborhood, schools, streets and parks. We encourage you to explore this data for yourself by visiting the NYC Open Data Portal!

NYC Open Data Week is a collaboration between NYC Open Data, BetaNYC, BureauBlank and the dynamic NYC civic tech community. We're kicking off the week on International Open Data Day with School of Data (March 4th) and wrapping up with an Open Data for All Workshop at the NYC Parks Hamilton Fish Computer Resource Center (March 11th). Please see the schedule of these events and don't miss out!



NYC OpenData

Submit a proposal by Friday, December 13:

bit.ly/odw2020

Learn More:

nyc.gov/opendataweek

Questions?

Zachary Feder

zfeder@analytics.nyc.gov

Open Data: nyc.gov/opendata

Project Library: bit.ly/MODALIB

Github: <https://github.com/MODA-NYC>