

# NYC Analytics

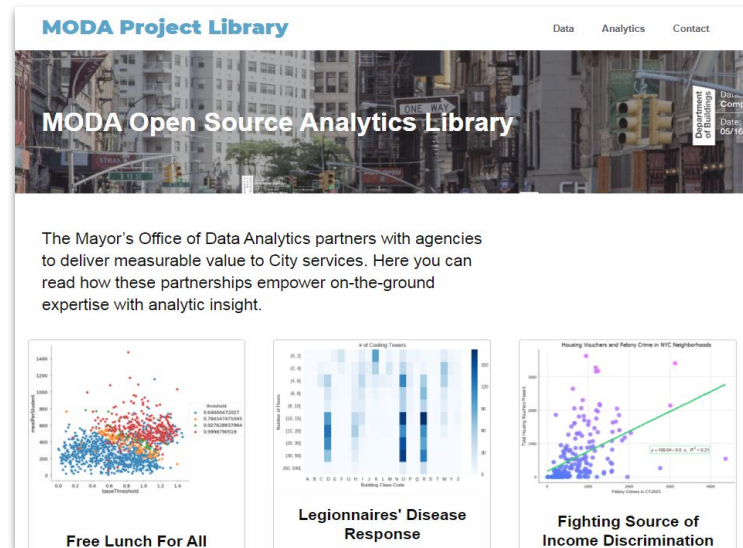
## Mayor's Office of Data Analytics

**Mission:**

**Actionable insight for NYC  
Government**

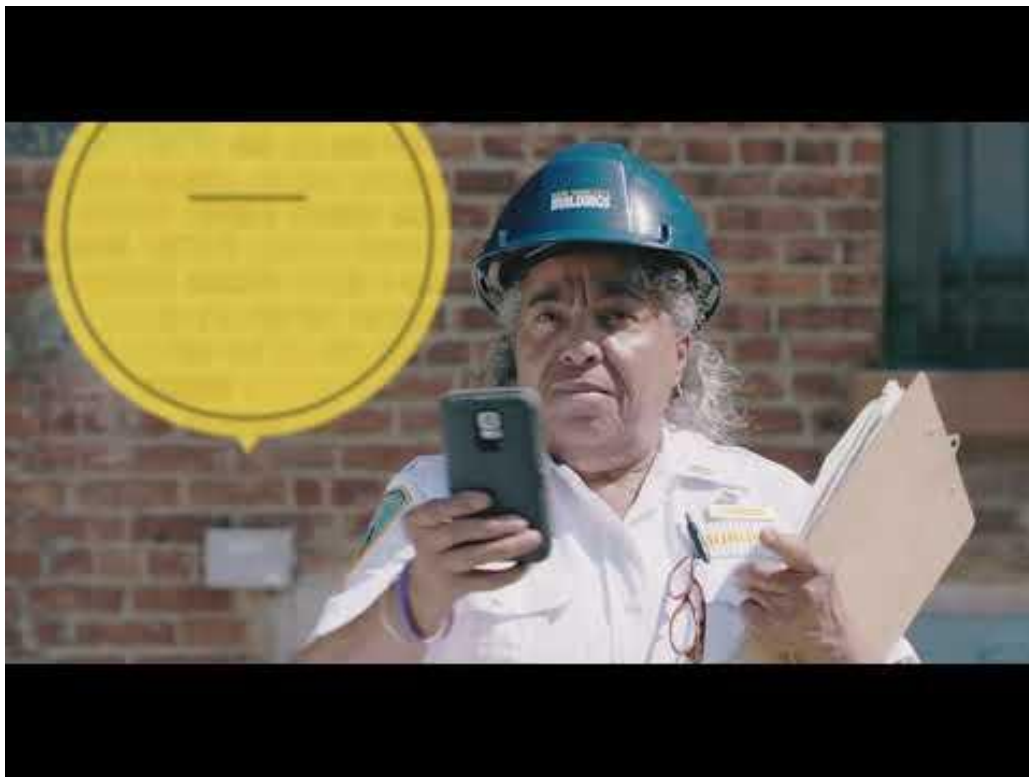
**Open By Default**

**[bit.ly/MODALIB](https://bit.ly/MODALIB)**



# NYC OpenData

[www.nyc.gov/opendata](http://www.nyc.gov/opendata)



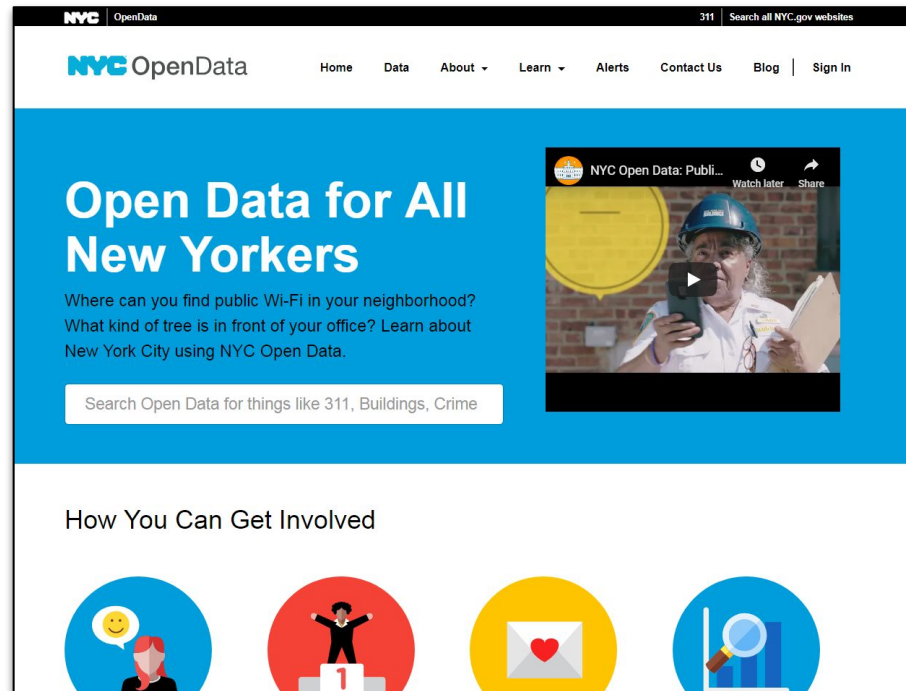
# NYC OpenData

[www.nyc.gov/opendata](http://www.nyc.gov/opendata)

**2010** - Open data legislation introduced

**2012** - Passage of NYC's Open Data Law

**2016** - Amendments to strengthen law





# JOIN US FOR

## NYC OPEN DATA WEEK

MARCH 1 - 9, 2019



#nyc #opendata

[www.open-data.nyc/](http://www.open-data.nyc/)

**NYC**

# Open Data by the Numbers (FY18)

- **1 million+** unique users
- **6 million+** pageviews in FY18
- **600+** new datasets published by 38 agencies and offices
  - total of **2,100 datasets** comprising 15 billion rows
- **400+** new datasets added to Open Data plan for future publication
- **200+** unique agency civic engagement commitments

**Open Data  
is an invitation for  
anyone  
anywhere  
anytime  
to engage  
with New York City**

<http://nyc.gov/opendata>



# See how creators are answering everyday questions with open data

Here you can find examples of open data in action and gain inspiration for projects of your own.



## Welcome to the NYC Open Data Project Gallery!

NYC Open Data powers companies, universities, and nonprofits in New York and around the world. See how it is used by local activists to advocate for change, by entrepreneurs to develop products, and by teachers to teach analytics skills the classroom.

[www.opendata.cityofnewyork.us/projects](http://www.opendata.cityofnewyork.us/projects)

# 311 Data & Life in NYC

## ● Exploratory Data Analysis Class project with 311



### Plots by Borough

Analysis of 311 complaint calls for New York City during the month of February 2018.

In this tab we have provided the ability for experimentation on the data by anchoring on the complaint type and filtering on boroughs. The value here is to be able to understand commonalities and differences between the different boroughs.

#### Instructions:

1. In the main panel at the top, the "Boroughs" tab and the "Complaints" tab each contain exploratory plots.
2. In the panel below, click "What", "How", "When" and "Where" to view different type of plots.
3. In the main panel at the top, click the "Summary" tab to read the summary of the research.
4. In the side panel at the bottom, click the links to view the respective code.

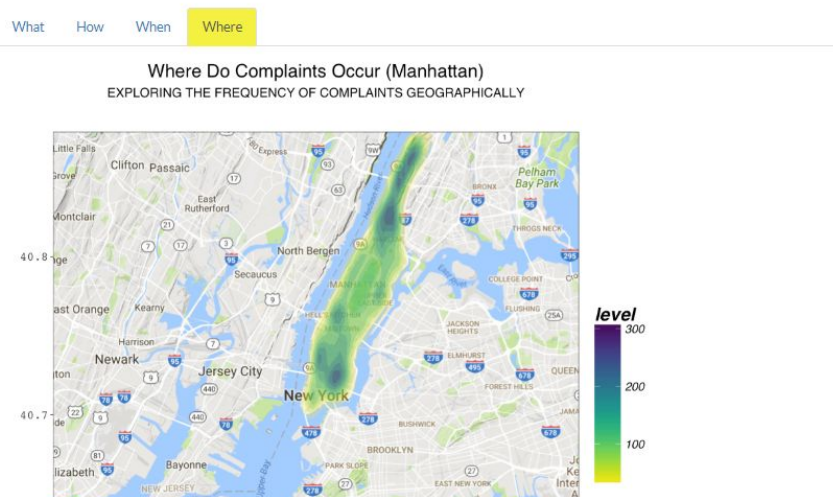
**Select Borough:**

- ☐ BRONX
- ☐ BROOKLYN
- ☒ MANHATTAN
- ☐ QUEENS
- ☐ STATEN ISLAND
- ☐ Unspecified
- ☐ All/None

The data is only for the month of February 2018 and is filtered by the top 15 most frequent complaints.

**See Code:**

- [What \(boroughs\)](#)
- [How \(boroughs\)](#)
- [When \(boroughs\)](#)
- [Where \(boroughs\)](#)





# NYC High School AP Exam Comparison: 2010 & 2012

- Comparing district's results with DOE HS Directory

A Story Map



NYC High School AP Exam Comparison: 2010 & 2012

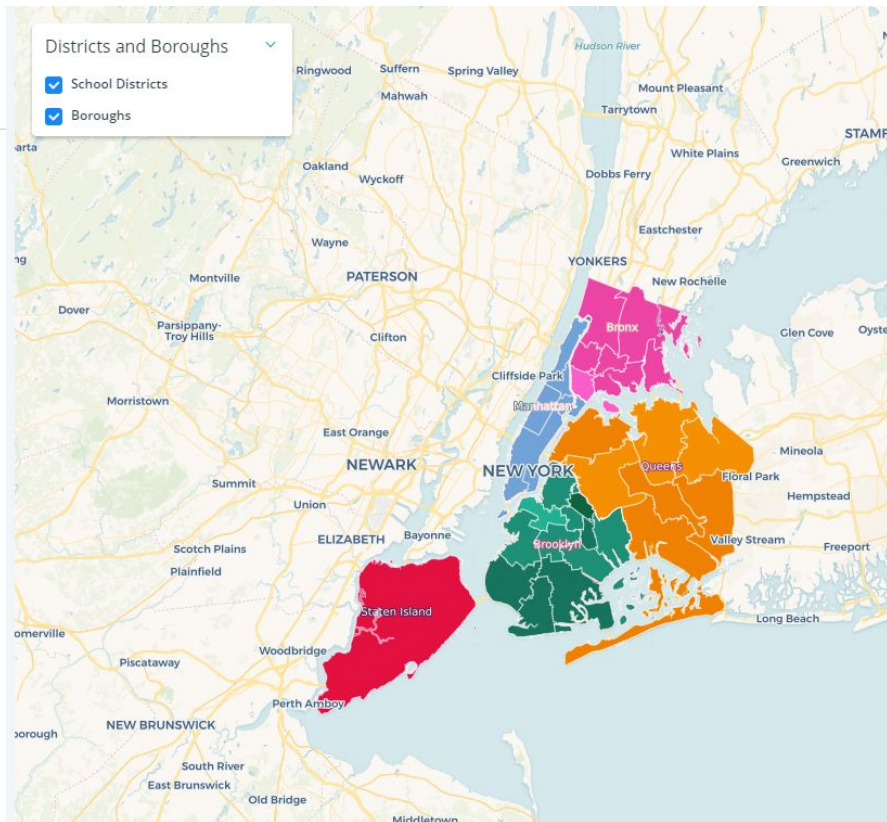
The 4 maps you will be seeing in the following slides compare the 2010 and 2012 AP results of 186 schools in New York. With this map, you will be able to see the improvements or the degeneration of each school in a span of 2 years.

## Boroughs and Districts

This is a map that shows the different districts and boroughs of New York City. There are 5 districts (Bronx, Queens, Manhattan, Brooklyn, Staten Island), and 31 districts. I will be mentioning a lot about the boroughs and districts in the following slides, so if you're not familiar with what NYC looks like, it's good for you to check this map before reading the following slides.

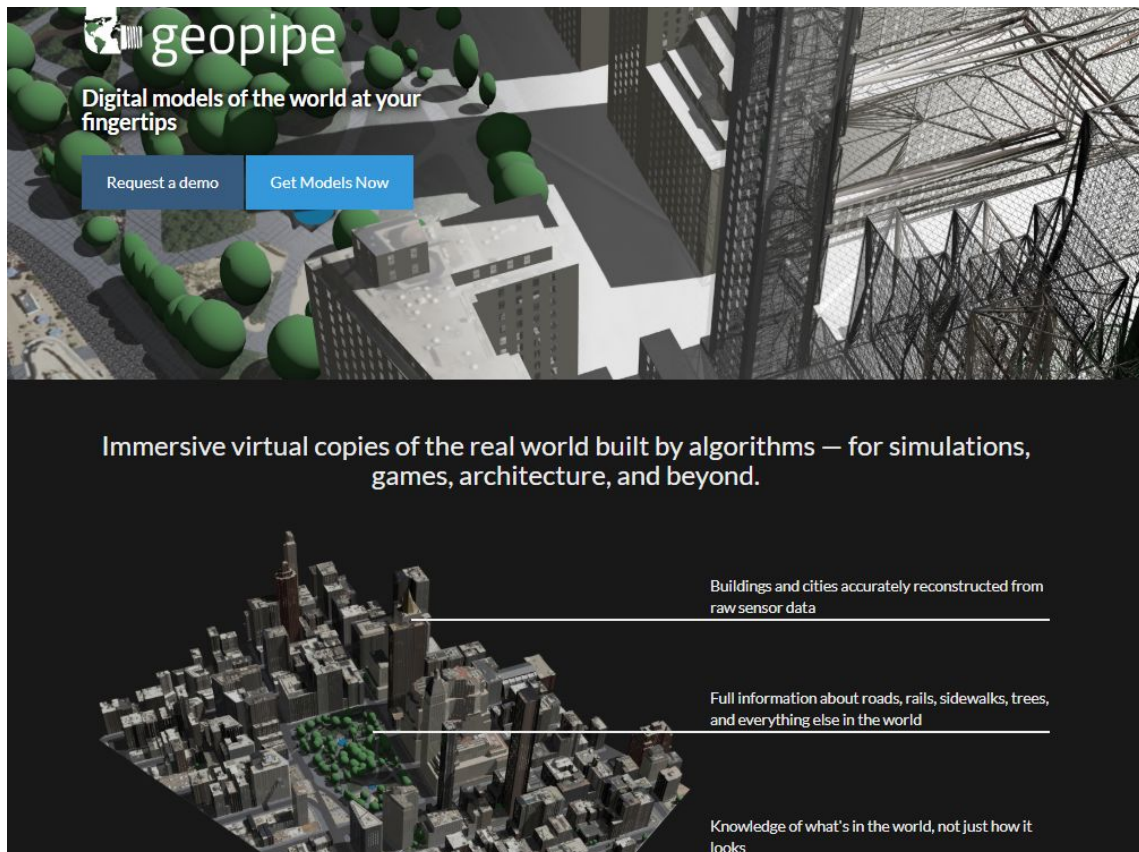
## Total AP Test Takers

This is a map that show the amount of AP test takers in 2010 and 2012. There are datas for 186 schools, some schools are not listed on this map



# Automatic Reconstruction of Immersive Urban Environments

- [Geopipe](#) with street trees, landcover raster, roadbed, sidewalk



The image shows a promotional banner for Geopipe. The top half features a 3D visualization of a city street with green trees and grey buildings. The Geopipe logo is in the top left, followed by the tagline 'Digital models of the world at your fingertips'. Below this are two blue buttons: 'Request a demo' and 'Get Models Now'. The bottom half of the banner has a dark background with a 3D city reconstruction of a dense urban area. Three lines of text are positioned to the right of the city model, each with a thin white line pointing to a specific part of the reconstruction.

geopipe

Digital models of the world at your fingertips

Request a demo Get Models Now

Immersive virtual copies of the real world built by algorithms — for simulations, games, architecture, and beyond.

Buildings and cities accurately reconstructed from raw sensor data

Full information about roads, rails, sidewalks, trees, and everything else in the world

Knowledge of what's in the world, not just how it looks

NYC



# Thank you!



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[bit.ly/MODALIB](https://bit.ly/MODALIB)

<https://github.com/MODA-NYC>  
NYC.GOV/OPENDATA

