

NYPD Arrests

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BUSINESS INTELLIGENCE GUIDEBOOK

From Data Integration to Analytics



RICK SHERMAN

FOREWORD BY CLAUDIA IMHOFF
PRESIDENT OF INTELLIGENT SOLUTIONS, INC.

NYPD Complaints Data: YTD (2019), Historical (2006-2018)

NYC OpenData

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NYPD Complaint Data Current (Year To Date)

Public Safety

View Data Visualize ▾ Export API ⋮

This dataset includes all valid felony, misdemeanor, and violation crimes reported to the New York City Police Department (NYPD) for all complete quarters so far this year (2019). For additional details, please see the attached data dictionary in the 'About' section.

Updated
February 7, 2020

Data Provided by
Police Department (NYPD)

About this Dataset

Updated
February 7, 2020

Data Last Updated
January 17, 2020

Metadata Last Updated
February 7, 2020

Date Created
October 28, 2016

Views
41.4K

Downloads
9,558

Data Provided by
Police Department (NYPD)

Dataset Owner
NYC OpenData

Update

Update Frequency
Quarterly

Automation
No

Date Made Public
11/1/2018

Dataset Information

Agency
Police Department (NYPD)

Attachments

PDCode_PenalLaw.xlsx

NYPD_Complaint_YTD_DataDictionary.xlsx

NYPD_Complaint_Incident_Level_Data_Footnotes.pdf

Show More

What's in this Dataset?

Rows
462K

Columns
35

Each row is a
Complaint

NYC OpenData

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Sign In

NYPD Complaint Data Historic

Public Safety

View Data Visualize ▾ Export API ⋮

This dataset includes all valid felony, misdemeanor, and violation crimes reported to the New York City Police Department (NYPD) from 2006 to the end of last year (2017). For additional details, please see the attached data dictionary in the 'About' section.

Updated
February 7, 2020

Data Provided by
Police Department (NYPD)

About this Dataset

Updated
February 7, 2020

Data Last Updated
January 17, 2020

Metadata Last Updated
February 7, 2020

Date Created
November 2, 2016

Views
71.5K

Downloads
12.6K

Data Provided by
Police Department (NYPD)

Dataset Owner
NYC OpenData

Update

Update Frequency
Annually

Automation
No

Date Made Public
11/16/2016

Dataset Information

Agency
Police Department (NYPD)

Attachments

PDCode_PenalLaw.xlsx

NYPD_Complaint_Incident_Level_Data_Footnotes.pdf

NYPD_Complaint_Historic_DataDictionary.xlsx

Show More

What's in this Dataset?

Rows
6.85M

Columns
35

Each row is a
Complaint

2

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NYPD Complaints Data - Columns

Column Name	Column Description
CMPLNT_NUM	Randomly generated persistent ID for each complaint
ADDR_PCT_CD	The precinct in which the incident occurred
BORO	The name of the borough in which the incident occurred
CMPLNT_FR_DT	Exact date of occurrence for the reported event (or starting date of occurrence, if CMPLNT_TO_DT exists)
CMPLNT_FR_TM	Exact time of occurrence for the reported event (or starting time of occurrence, if CMPLNT_TO_TM exists)
CMPLNT_TO_DT	Ending date of occurrence for the reported event, if exact time of occurrence is unknown
CMPLNT_TO_TM	Ending time of occurrence for the reported event, if exact time of occurrence is unknown
CRM_ATPT_CPTD_CD	Indicator of whether crime was successfully completed or attempted, but failed or was interrupted prematurely
HADEVELOPT	Name of NYCHA housing development of occurrence, if applicable
HOUSING_PSA	Development Level Code
JURISDICTION_CODE	Jurisdiction responsible for incident. Either internal, like Police(0), Transit(1), and Housing(2); or external(3), like Correction, Port Authority, etc.
JURIS_DESC	Description of the jurisdiction code
KY_CD	Three digit offense classification code
LAW_CAT_CD	Level of offense: felony, misdemeanor, violation
LOC_OF_OCCUR_DESC	Specific location of occurrence in or around the premises; inside, opposite of, front of, rear of
OFNS_DESC	Description of offense corresponding with key code
PARKS_NM	Name of NYC park, playground or greenspace of occurrence, if applicable (state parks are not included)
PATROL_BORO	The name of the patrol borough in which the incident occurred
PD_CD	Three digit internal classification code (more granular than Key Code)
PD_DESC	Description of internal classification corresponding with PD code (more granular than Offense Description)
PREM_TYP_DESC	Specific description of premises; grocery store, residence, street, etc.
RPT_DT	Date event was reported to police
STATION_NAME	Transit station name
SUSP_AGE_GROUP	Suspect's Age Group
SUSP_RACE	Suspect's Race Description
SUSP_SEX	Suspect's Sex Description
TRANSIT_DISTRICT	Transit district in which the offense occurred.
VIC_AGE_GROUP	Victim's Age Group
VIC_RACE	Victim's Race Description
VIC_SEX	Victim's Sex Description
X_COORD_CD	X-coordinate for New York State Plane Coordinate System, Long Island Zone, NAD 83, units feet (FIPS 3104)
Y_COORD_CD	Y-coordinate for New York State Plane Coordinate System, Long Island Zone, NAD 83, units feet (FIPS 3104)
Latitude	Midblock Latitude coordinate for Global Coordinate System, WGS 1984, decimal degrees (EPSG 4326)
Longitude	Midblock Longitude coordinate for Global Coordinate System, WGS 1984, decimal degrees (EPSG 4326)

NYPD Complaints Data

NYC OpenData

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NYPD Criminal Court Summons (Historic)

Public Safety

List of every criminal summons issued in NYC going back to 2006 through the end of the previous calendar year.

This is a breakdown of every criminal summons issued in NYC by the NYPD going back to 2006 through the end of the previous calendar year. This data is manually extracted every quarter and reviewed by the Office of Management Analysis and Planning before being posted on the NYPD website. Each record represents a criminal summons issued in NYC by the NYPD and includes information about the type of crime, the location and time of enforcement. In addition, information related to suspect demographics is also included.

This data can be used by the public to explore the nature of police enforcement activity. Please refer to the attached data footnotes for additional information about this dataset.

[Less](#)

View Data Visualize ▾ Export API ⋮

Updated
January 17, 2020
Data Provided by
Police Department

Download NYPD Criminal Court Summons (Historic)

Download NYPD Criminal Court Summons (Historic) for offline use in other applications.

CSV

CSV for Excel

Additional Formats

[CSV for Excel \(Europe\)](#) [TSV for Excel](#)

[RDF](#)

[XML](#)

[RSS](#)

About this Dataset

Updated
January 17, 2020

Data Last Updated January 17, 2020
Metadata Last Updated January 17, 2020

Date Created
June 5, 2018

Views
2,650

Downloads
508

Data Provided by
Police Department (NYPD)

Dataset Owner
NYC OpenData

Update

Update Frequency	Annually
Automation	No
Date Made Public	11/1/2018

Dataset Information

Agency	Police Department (NYPD)
--------	--------------------------

Attachments

[NYPD_C-Summons_Incident_Level_Data_Footnotes.pdf](#)
[NYPD_CSummons_Historic_DataDictionary.xlsx](#)

Topics

Category	Public Safety
Tags	criminal summons, summons, violation, crime, law enforcement, public safety, nypd

[Show Less](#)

OneDrive: \Project - NYPD Data

- Neighborhood Tabulation Areas (NTA).geojson
- NYPD_Complaint_Data_Current__Year_To_Date_csv.zip
- NYPD_Complaint_Data_Current__Year_To_Date_tsv.zip
- NYPD_Complaint_Data_Historic_csv.zip
- NYPD_Complaint_Data_Historic_tsv.zip
- NYPD_Complaint_Historic_DataDictionary.xlsx
- NYPD_Complaint_Incident_Level_Data_Footnotes.pdf
- PDCODE_PenalLaw.xlsx
- Police Precincts.geojson

NYPD Criminal Court Summons Data

NYPD Complaint Data Current (Year To Date)

Public Safety

[View Data](#) [Visualize ▾](#) [Export](#) [API](#) [...](#)

This dataset includes all valid felony, misdemeanor, and violation crimes reported to the New York City Police Department (NYPD) for all complete quarters so far this year (2019). For additional details, please see the attached data dictionary in the 'About' section.

Updated
February 7, 2020

Data Provided by
Police Department (NYPD)

About this Dataset

Updated
February 7, 2020

Data Last Updated
January 17, 2020

Metadata Last Updated
February 7, 2020

Date Created
October 28, 2016

Views
41.4K

Downloads
9,564

Data Provided by
Police Department (NYPD)

Dataset Owner
NYC OpenData




Update

Update Frequency	Quarterly
Automation	No
Date Made Public	11/1/2018

Dataset Information

Agency	Police Department (NYPD)
--------	--------------------------

Attachments

-  PDCODE_PenalLaw.xlsx
-  NYPD_Complaint_YTD_DataDictionary.xlsx
-  NYPD_Complaint_Incident_Level_Data_Footnotes.pdf

[Show More](#)

NYPD Criminal Court Summons (Historic)

Public Safety

[View Data](#) [Visualize ▾](#) [Export](#) [API](#) [...](#)

List of every criminal summons issued in NYC going back to 2006 through the end of the previous calendar year.

This is a breakdown of every criminal summons issued in NYC by the NYPD going back to [More](#)

Updated
January 17, 2020

Data Provided by
Police Department (NYPD)

About this Dataset

Updated
January 17, 2020

Data Last Updated
January 17, 2020

Metadata Last Updated
January 17, 2020

Date Created
June 5, 2018

Views
2,640

Downloads
504

Data Provided by
Police Department (NYPD)

Dataset Owner
NYC OpenData



Update

Update Frequency	Annually
Automation	No
Date Made Public	11/1/2018

Dataset Information

Agency	Police Department (NYPD)
--------	--------------------------

Attachments

-  NYPD_C-Summons_Incident_Level_Data_Footnotes.pdf
-  NYPD_CSummons_Historic_DataDictionary.xlsx

[Show More](#)

What's in this Dataset?

Rows
5.26M

Columns
16

Each row is a
Criminal Court Summons

NYPD Criminal Court Summons Data

Column Name	Column Description
SUMMONS_KEY	Randomly generated persistent ID for each violation
SUMMONS_DATE	Exact date of violation for the reported event
OFFENSE_DESCRIPTION	Description of the violation committed
LAW_SECTION_NUMBER	NYS Penal Law and local law section number
LAW_DESCRIPTION	Description of the law dictionary where the cited violation came from. Blank fields represent errors in the database
SUMMONS_CATEGORY_TYPE	General description of the violation category
AGE_GROUP	Perpetrator's age within a category
SEX	Perpetrator's sex code. M(Male), F(Female), U(Unknown or violation issued to a business)
RACE	Perpetrator's race description. U(Unknown or violation issued to a business)
JURISDICTION_CODE	Jurisdiction responsible for the issued violation. Jurisdiction codes 0(Patrol), 1(Transit) and 2(Housing) represent NYPD whilst codes 3 or more represent non NYPD jurisdictions
BORO	New York City Boroughs
PRECINCT_OF_OCCUR	Precinct where the violation was issued
Latitude	Latitude coordinate for Global Coordinate System, WGS 1984, decimal degrees (EPSG 4326)
Longitude	Longitude coordinate for Global Coordinate System, WGS 1984, decimal degrees (EPSG 4326)
X_COORDINATE_CD	Midblock X-coordinate for New York State Plane Coordinate System, Long Island Zone, NAD 83, units feet (FIPS 3104)
Y_COORDINATE_CD	Midblock Y-coordinate for New York State Plane Coordinate System, Long Island Zone, NAD 83, units feet (FIPS 3104)

NYPD Criminal Court Summons Data

NYC OpenData

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NYPD Criminal Court Summons (Historic)

Public Safety

List of every criminal summons issued in NYC going back to 2006 through the end of the previous calendar year.

This is a breakdown of every criminal summons issued in NYC by the NYPD going back to [More](#)

Updated January 17, 2020
Data Provided by Police Department

Download NYPD Criminal Court Summons (Historic) for offline use in other applications.

CSV CSV for Excel

Additional Formats
[CSV for Excel \(Europe\)](#) [TSV for Excel](#)
[RDF](#) [XML](#)
[RSS](#)

About this Dataset

Updated **January 17, 2020**

Data Last Updated January 17, 2020
Metadata Last Updated January 17, 2020

Date Created June 5, 2018

Views **2,650**
Downloads **508**

Data Provided by Police Department (NYPD)
Dataset Owner NYC OpenData

Update

Update Frequency	Annually
Automation	No
Date Made Public	11/1/2018

Dataset Information

Agency	Police Department (NYPD)
--------	--------------------------

Attachments

- NYPD_C-Summons_Incident_Level_Data_Footnotes.pdf
- NYPD_CSummons_Historic_DataDictionary.xlsx

[Show More](#)

OneDrive: \Project - NYPD Data

- Neighborhood Tabulation Areas (NTA).geojson
- NYPD_C-Summons_Incident_Level_Data_Footnotes.pdf
- NYPD_Criminal_Court_Summons__Historic_csv.zip
- NYPD_Criminal_Court_Summons__Historic_tsv.zip
- NYPD_CSummons_Historic_DataDictionary.xlsx
- PDCode_PenalLaw.xlsx
- Police Precincts.geojson

NYPD Shooting Incident Data

NYPD Shooting Incident Data (Year To Date)

Public Safety

List of every shooting incident that occurred in NYC during the current calendar year.

This is a breakdown of every shooting incident that occurred in NYC during the current calendar year. This data is manually extracted every quarter and reviewed by the Office of More

View Data

Visualize ▾

Export

API

⋮

Updated
February 7, 2020
Data Provided by
Police Department (NYPD)

About this Dataset

Updated
February 7, 2020

Data Last Updated
January 17, 2020

Metadata Last Updated
February 7, 2020

Date Created
June 5, 2018

Views
6,916

Downloads
2,389

Data Provided by
Police Department (NYPD)

Dataset Owner
NYC OpenData



Update

Update Frequency	Quarterly
Automation	No
Date Made Public	11/1/2018

Dataset Information

Agency	Police Department (NYPD)
--------	--------------------------

Attachments

-  NYPD_Shootings_YTD_DataDictionary.xlsx
-  NYPD_Shootings_Incident_Level_Data_Footnotes.pdf

[Show More](#)

What's in this Dataset?

Rows	Columns	Each row is a
967	18	Shooting Incident

NYPD Shooting Incident Data (Historic)

Public Safety

List of every shooting incident that occurred in NYC going back to 2006 through the end of the previous calendar year.

This is a breakdown of every shooting incident that occurred in NYC going back to 2006 More

View Data

Visualize ▾

Export

API

⋮

Updated
January 17, 2020
Data Provided by
Police Department (NYPD)

About this Dataset

Updated
January 17, 2020

Data Last Updated
January 17, 2020

Metadata Last Updated
January 17, 2020

Date Created
June 5, 2018

Views
8,704

Downloads
3,522

Data Provided by
Police Department (NYPD)

Dataset Owner
NYC OpenData



Update

Update Frequency	Annually
Automation	No
Date Made Public	11/1/2018

Dataset Information

Agency	Police Department (NYPD)
--------	--------------------------

Attachments

-  NYPD_Shootings_Incident_Level_Data_Footnotes.pdf
-  NYPD_Shootings_Historic_DataDictionary.xlsx

[Show More](#)

What's in this Dataset?

Rows	Columns	Each row is a
21.4K	18	Shooting Incident

NYPD Shooting Incident Data

NYPD Shooting Incident Data (Historic)

Public Safety

List of every shooting incident that occurred in NYC going back to 2006 through the end of the previous calendar year.

This is a breakdown of every shooting incident that occurred in NYC going back to 2006
[More](#)

About this Dataset

Updated
January 17, 2020

Data Last Updated
January 17, 2020

Metadata Last Updated
January 17, 2020

Date Created
June 5, 2018

Views
8,704

Downloads
3,522

Data Provided by
Police Department (NYPD)

Dataset Owner
NYC OpenData

Update

Update Frequency	Annually
Automation	No
Date Made Public	11/1/2018

Dataset Information

Agency	Police Department (NYPD)
--------	--------------------------

Attachments

 NYPD_Shootings_Incident_Level_Data_Footnotes.pdf

 NYPD_Shootings_Historic_DataDictionary.xlsx

[Show More](#)

What's in this Dataset?

Rows	Columns	Each row is a
21.4K	18	Shooting Incident

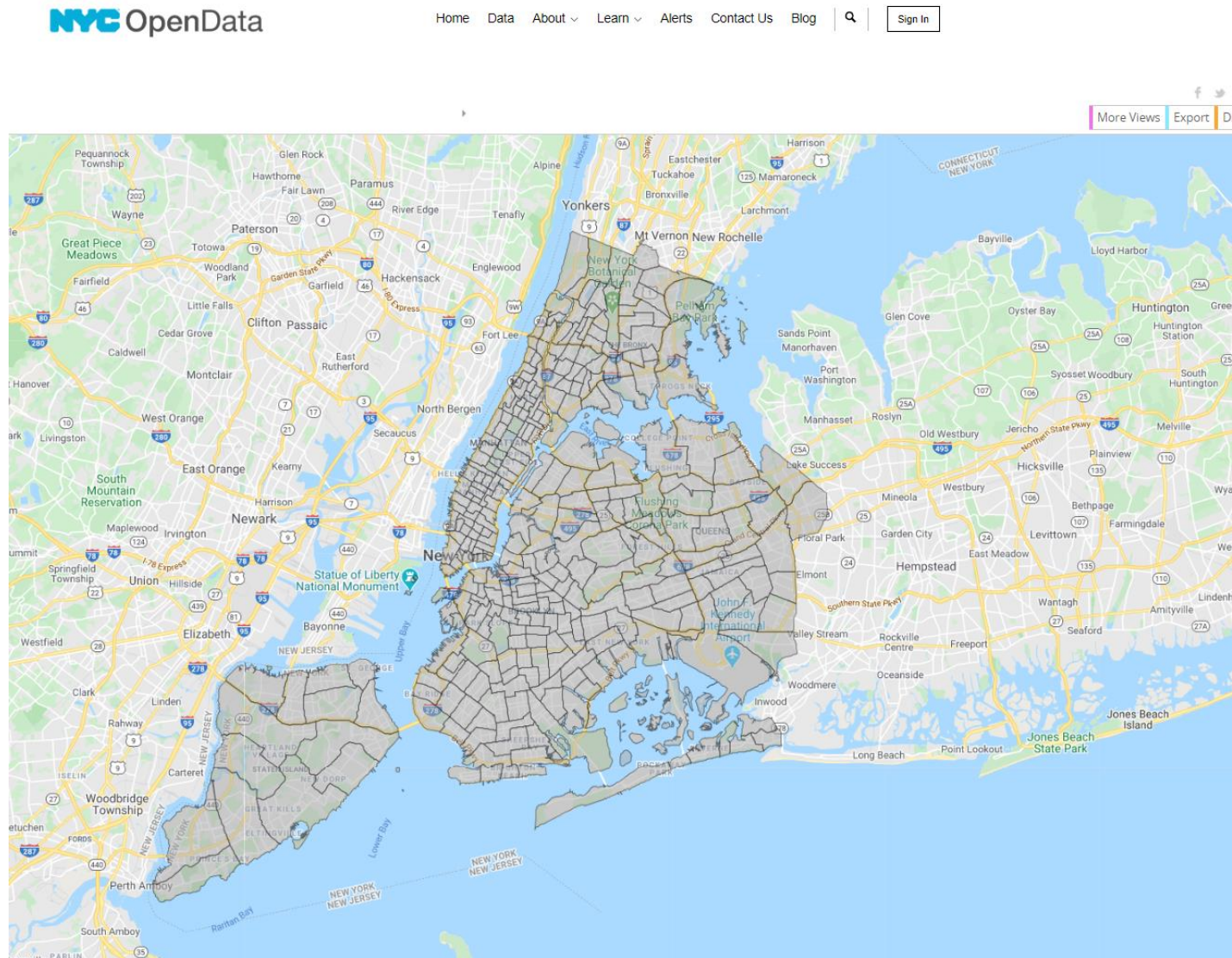
OneDrive: \Project - NYPD Data

- Neighborhood Tabulation Areas (NTA).geojson
- NYPD_Shootings_Historic_DataDictionary.xlsx
- NYPD_Shootings_Incident_Level_Data_Footnotes.pdf
- NYPD_Shooting_Incident_Data__Historic_.csv
- NYPD_Shooting_Incident_Data__Historic_.tsv
- NYPD_Shooting_Incident_Data__Year_To_Date_.csv
- NYPD_Shooting_Incident_Data__Year_To_Date_.tsv
- PDCode_PenalLaw.xlsx
- Police Precincts.geojson

NYPD Shooting Incident Data - Columns

Column Name	Column Description
INCIDENT_KEY	Randomly generated persistent ID for each incident
OCCUR_DATE	Exact date of the shooting incident
OCCUR_TIME	Exact time of the shooting incident
BORO	Borough where the shooting incident occurred
PRECINCT	Precinct where the shooting incident occurred
JURISDICTION_CODE	Jurisdiction where the shooting incident occurred. Jurisdiction codes 0(Patrol), 1(Transit) and 2(Housing) represent NYPD whilst codes 3 and more represent non NYPD jurisdictions
LOCATION_DESC	Location of the shooting incident
STATISTICAL_MURDER_FLAG	Shooting resulted in the victim's death which would be counted as a murder
PERP_AGE_GROUP	Perpetrator's age within a category
PERP_SEX	Perpetrator's sex description
PERP_RACE	Perpetrator's race description
VIC_AGE_GROUP	Victim's age within a category
VIC_SEX	Victim's sex description
VIC_RACE	Victim's race description
X_COORD_CD	Midblock X-coordinate for New York State Plane Coordinate System, Long Island Zone, NAD 83, units feet (FIPS 3104)
Y_COORD_CD	Midblock Y-coordinate for New York State Plane Coordinate System, Long Island Zone, NAD 83, units feet (FIPS 3104)

NYPD Arrests Data



- NYPD Sectors.geojson

NYPD Assignments

- Create Dimensional Data Model
 - Create data model with ER/Studio
 - Create schema in NYPD database - MySQL
- Load data into data model using Talend
- Create Data Visualizations in Tableau & Power BI using db above



NYPD Complaints Data

- Analyze complaints, i.e. felony, misdemeanor, and violation crimes reported, by
 - Date/Time Committed
 - Type, severity and “success” of offense
 - Location of reported crime
 - Attributes of alleged victim(s)
- Data Visualizations
 - Tabular Reports
 - Bar charts, Line charts, Treemaps and other that tells story
 - Map
 - Default
 - Use spatial file is available to map to NYC boroughs, sectors and/or police precincts

NYPD Shooting Incident Data

- Analyze shooting incidents by
 - Date/Time Committed
 - Whether there was a death
 - Location of reported crime
 - Attributes of victim(s)
 - Attributes of perpetrator(s)
- Data Visualizations
 - Tabular Reports
 - Bar charts, Line charts, Treemaps and other that tells story
 - Map
 - Default
 - Use spatial file is available to map to NYC boroughs, sectors and/or police precincts

NYPD Criminal Court Summons Data

- Analyze Criminal Court Summons by
 - Date/Time Committed
 - Type and severity of crime
 - Location of reported crime
 - Attributes of perpetrator(s)
- Data Visualizations
 - Tabular Reports
 - Bar charts, Line charts, Treemaps and other that tells story
 - Map
 - Default
 - Use spatial file is available to map to NYC boroughs, sectors and/or police precincts