

NYC Arrests

- NYPD Arrests Historical & YTD Data
- Assignment:
 - Data model
 - Data preparation
 - Data integration
 - BI



NYPD Arrests Data

NYPD Arrests Data (Historic)

Public Safety

View Data

Visualize ▾

Export

API

⋮

List of every arrest in NYC going back to 2006 through the end of the previous calendar year. This is a breakdown of every arrest effected 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 an arrest effected 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

Updated
May 3, 2021

Data Provided by
Police Department (NYPD)

About this Dataset

Mute Dataset

Updated
May 3, 2021

Data Last Updated
May 3, 2021

Metadata Last Updated
May 3, 2021

Date Created
June 5, 2018

Views
55.4K

Downloads
11.4K

Data Provided by
Police Department (NYPD)

Dataset Owner
NYC OpenData

Dataset Information

Agency

Police Department (NYPD)

Update

Update Frequency

Annually

Automation

No

Date Made Public

11/1/2018

Attachments

NYPD_Arrest_Incident_Level_Data_Footnotes.pdf

NYPD_Arrest_Historic_DataDictionary.xlsx

Topics

Category

Public Safety

Tags

arrest, crime, law enforcement, public safety, nypd

What's in this Dataset?

Rows
5.15M

Columns
19

Each row is a
Arrest in NYC by NYPD

Columns in this Dataset

Column Name	Description	Type
ARREST_KEY	Randomly generated persistent ID for each arrest	Plain Text T ▾
ARREST_DATE	Exact date of arrest for the reported event	Date & Time 📅 ▾
PD_CD	Three digit internal classification code (more granular than ...	Number # ▾
PD_DESC	Description of internal classification corresponding with PD...	Plain Text T ▾
KY_CD	Three digit internal classification code (more general categ...	Number # ▾
OFNS_DESC	Description of internal classification corresponding with KY...	Plain Text T ▾
LAW_CODE	Law code charges corresponding to the NYS Penal Law, VT...	Plain Text T ▾
LAW_CAT_CD	Level of offense: felony, misdemeanor, violation	Plain Text T ▾
ARREST_BORO	Borough of arrest. B(Bronx), S(Staten Island), K(Brooklyn), ...	Plain Text T ▾
ARREST_PRECINCT	Precinct where the arrest occurred	Number # ▾
JURISDICTION_CODE	Jurisdiction responsible for arrest. Jurisdiction codes 0(Patr...	Number # ▾
AGE_GROUP	Perpetrator's age within a category	Plain Text T ▾
PERP_SEX	Perpetrator's sex description	Plain Text T ▾
PERP_RACE	Perpetrator's race description	Plain Text T ▾
X_COORD_CD	Midblock X-coordinate for New York State Plane Coordinat...	Plain Text T ▾
Y_COORD_CD	Midblock Y-coordinate for New York State Plane Coordinat...	Plain Text T ▾
Latitude	Latitude coordinate for Global Coordinate System, WGS 19...	Number # ▾
Longitude	Longitude coordinate for Global Coordinate System, WGS 1...	Number # ▾
Lon_Lat	Georeferenced Point Column based on Longitude and Latit...	Point 📍 ▾

NYPD Arrests Data

View Data Visualize Export API ...

Updated May 3, 2021

Data Provided by Police Department

Download NYPD Arrests Data (Historic)

Download NYPD Arrests Data (Historic) for offline use in other applications.

CSV KML Shapefile

Additional Formats

[CSV for Excel](#) [KMZ](#) [TSV for Excel](#)

[CSV for Excel \(Europe\)](#) [RDF](#) [XML](#)

[GEOJSON](#) [RSS](#)

NYPD_Arrests_Data__Historic_.tsv

Access this Dataset via OData

Use OData to open the dataset in tools like Excel or Tableau. This provides a direct connection to the data that can be refreshed on-demand within the connected application.

Tableau users should select the OData v2 endpoint option.

[Socrata OData Documentation](#)

OData Endpoint

<https://data.cityofnewyork.us/api/odata/v4/8h9b> OData V4 Copy

Done

<https://data.cityofnewyork.us/api/odata/v4/8h9b-rp9u>

NYPD Arrests Data

NYPD Arrest Data (Year to Date)

Public Safety

View Data

Visualize ▾

Export

API

...

This is a breakdown of every arrest effected in NYC by the NYPD during the current year. This data is manually extracted every quarter and reviewed by the Office of Management Analysis and Planning.
Each record represents an arrest effected in NYC by the NYPD and includes information
[More](#)

Updated
February 3, 2022
Data Provided by
Police Department (NYPD)

About this Dataset

Mute Dataset

Updated
February 3, 2022

Data Last Updated
February 3, 2022
Metadata Last Updated
February 3, 2022

Date Created
June 5, 2018

Views
105K
Downloads
9,364

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

Dataset Information

Agency
Police Department (NYPD)

Update

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

Attachments

[NYPD_Arrest_YTD_DataDictionary.xlsx](#)
[NYPD_Arrest_Incident_Level_Data_Footnotes.pdf](#)

Topics

Category
Public Safety
Tags
arrest, crime, law enforcement, public safety, nypd

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Columns in this Dataset

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ARREST_KEY	Randomly generated persistent ID for each arrest	Plain Text T
ARREST_DATE	Exact date of arrest for the reported event	Date & Time
PD_CD	Three digit internal classification code (more granular than ...	Number #
PD_DESC	Description of internal classification corresponding with PD...	Plain Text T
KY_CD	Three digit internal classification code (more general categ...	Number #
OFNS_DESC	Description of internal classification corresponding with KY...	Plain Text T
LAW_CODE	Law code charges corresponding to the NYS Penal Law, VT...	Plain Text T
LAW_CAT_CD	Level of offense: felony, misdemeanor, violation	Plain Text T
ARREST_BORO	Borough of arrest: B(Bronx), S(Staten Island), K(Brooklyn), ...	Plain Text T
ARREST_PRECINCT	Precinct where the arrest occurred	Number #
JURISDICTION_CODE	Jurisdiction responsible for arrest. Jurisdiction codes O(Patr...	Number #
AGE_GROUP	Perpetrator's age within a category	Plain Text T
PERP_SEX	Perpetrator's sex description	Plain Text T
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X_COORD_CD	Midblock X-coordinate for New York State Plane Coordinat...	Number #
Y_COORD_CD	Midblock Y-coordinate for New York State Plane Coordinat...	Number #
Latitude	Latitude coordinate for Global Coordinate System, WGS 19...	Number #
Longitude	Longitude coordinate for Global Coordinate System, WGS 1...	Number #
New Georeferenced Column		Point

NYPD Arrests Data

The screenshot shows the 'View Data' tab selected in a dashboard. A modal window titled 'Download NYPD Arrest Data (Year to Date)' is open, providing instructions and download options. The modal text states: 'Download NYPD Arrest Data (Year to Date) for offline use in other applications.' Below this, there are three buttons: 'CSV', 'KML', and 'Shapefile'. Under the heading 'Additional Formats', there are several links: 'CSV for Excel', 'KMZ', 'TSV for Excel', 'CSV for Excel (Europe)', 'RDF', 'XML', 'GEOJSON', and 'RSS'. The background interface includes tabs for 'View Data', 'Visualize', 'Export', 'API', and a menu icon. Metadata on the left indicates the data was 'Updated February 3, 2022' and is 'Data Provided by Police Department'.

This dialog box, titled 'Access this Dataset via OData', explains that OData can be used to open the dataset in tools like Excel or Tableau for a direct, refreshable connection. It specifically advises that 'Tableau users should select the OData v2 endpoint option.' A link to 'Socrata OData Documentation' is provided. The 'OData Endpoint' section shows the URL 'https://data.cityofnewyork.us/api/odata/v4/uiip8-' in a text field, followed by a dropdown menu set to 'OData V4' and a 'Copy' button. A 'Done' button is located at the bottom right of the dialog.

NYPD_Arrests_Data__Historic_.tsv

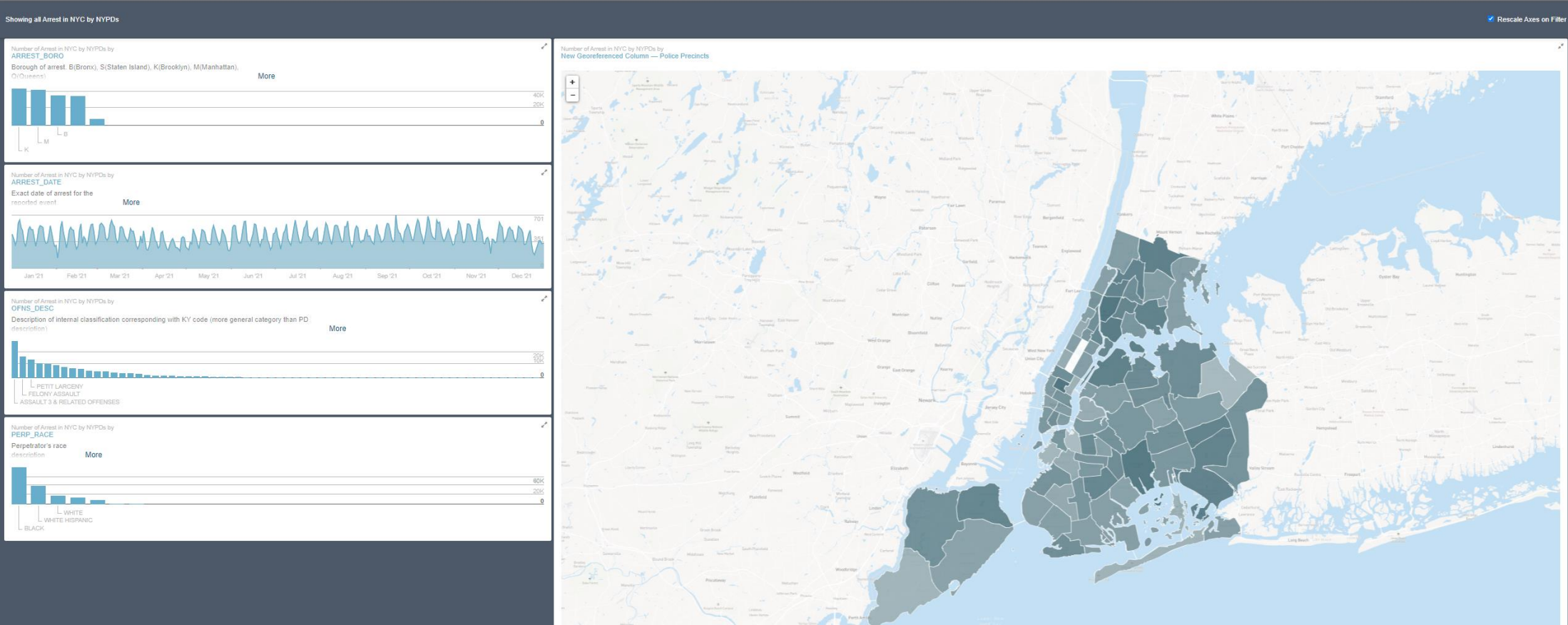
<https://data.cityofnewyork.us/api/odata/v4/uiip8-fykc>

NYPD Arrests Data – YTD Dashboard

NYPD YTD Arrests - Summary Dashboard

SOURCE DATASET NYPD Arrest Data (Year To Date)

The following visualizations summarize every arrest effected in NYC by the NYPD during the current year. This data is published quarterly. Each record represents an arrest effected 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. [Show more](#)

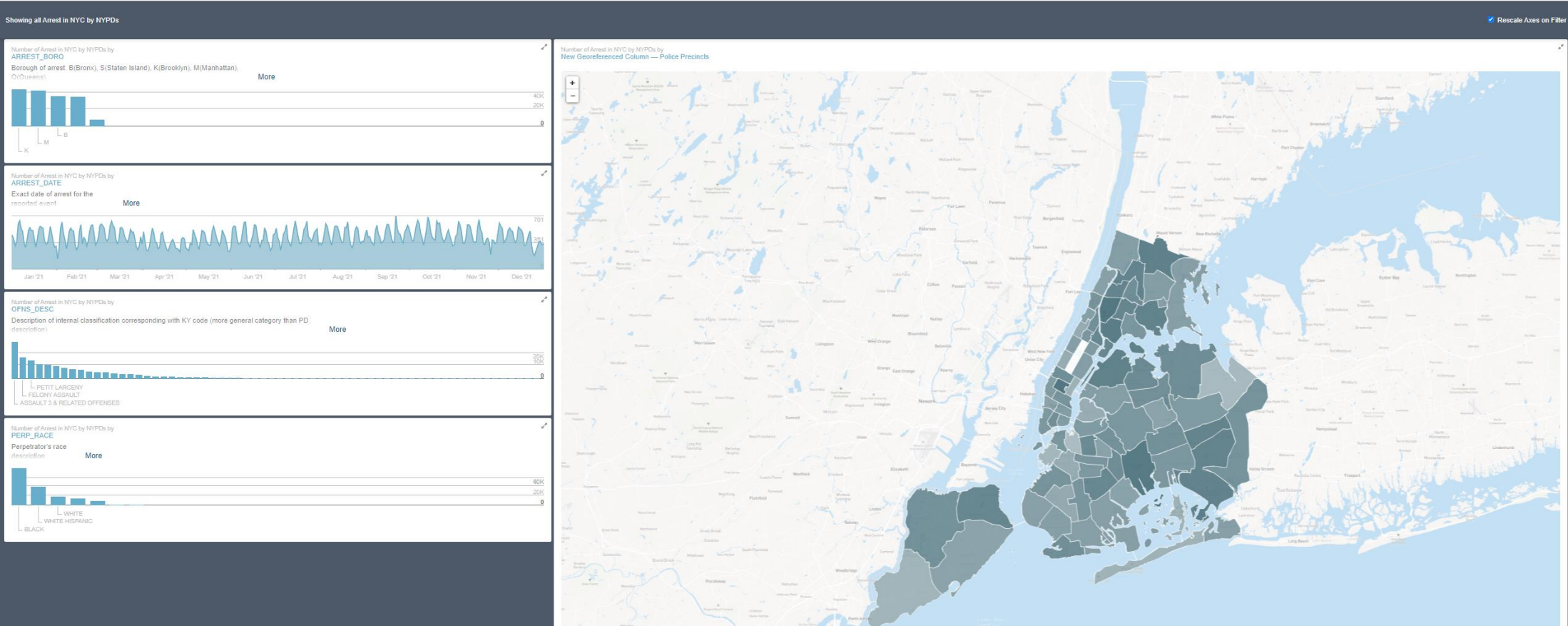


NYPD Arrests Data – Historical Dashboard

NYPD YTD Arrests - Summary Dashboard

SOURCE DATASET NYPD Arrest Data (Year To Date)

The following visualizations summarize every arrest effected in NYC by the NYPD during the current year. This data is published quarterly. Each record represents an arrest effected 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. [Show more](#)



NYPD Arrests Data

Deliverables

Assignment: NYPD Arrests Data

Data Sources:

- NYPD_Arrests_Data__Historic_.tsv
- NYPD_Arrest_Data__Year_to_Date_.tsv

Target Databases

- For Talend: SQL Server, Azure SQL, MySQL, Azure Database for MySQL
- For Alteryx: PostgreSQL, Oracle, MySQL or Azure Database for MySQL if not used for Talend

BI (Develop all visualizations and dashboards in both tools)

- Power BI
- Tableau

Data Dictionary

Column Name	Column Description
ARREST_KEY	Randomly generated persistent ID for each arrest
ARREST_DATE	Exact date of arrest for the reported event
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)
KY_CD	Three digit internal classification code (more general category than PD code)
OFNS_DESC	Description of internal classification corresponding with KY code (more general category than PD description)
LAW_CODE	Law code charges corresponding to the NYS Penal Law, VTL and other various local laws
LAW_CAT_CD	Level of offense: felony, misdemeanor, violation
ARREST_BORO	Borough of arrest. B(Bronx), S(Staten Island), K(Brooklyn), M(Manhattan), Q(Queens)
ARREST_PRECINCT	Precinct where the arrest occurred
JURISDICTION_CODE	Jurisdiction responsible for arrest. Jurisdiction codes 0(Patrol), 1(Transit) and 2(Housing) represent NYPD whilst codes 3 and more represent non NYPD jurisdictions
AGE_GROUP	Perpetrator's age within a category
PERP_SEX	Perpetrator's sex description
PERP_RACE	Perpetrator'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)
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)

Data Dictionary:

NYPD_Arrest_YTD_DataDictionary.xlsx

NYPD_Arrest_Historic_DataDictionary.xlsx

Deliverables: NYPD Arrests Data

- Design & create Stage tables
- Load Stage tables
- Design & create Dimensional tables
- Load Dimensional Model
- Create BI dashboards
- Upload
 - Data Model – picture & ER Studio file
 - Table row counts
 - Data integration workflows – snapshots of completed workflows
 - Alteryx & Talend exports of above
 - BI dashboard – snapshots
 - Upload Power BI & Tableau files

Deliverables: NYPD Arrests Data

BI Deliverables

- Map arrests on map
 - Total arrests, filtered by different attributes such as age_group, KY_Code, etc
- Provide trend charts # of arrests by date
 - Total arrests and filtered by different attributes such as age_group, KY_Code, etc
- Provide comparisons and contribution visualizations for various attributes
 - Year
 - Age_Group
 - Arrest_Borough
 - KY_Code
 - Code
 - PERP_RACE