



# CASE ANALYSIS TOOL

# TUTORIAL

CJA's Case Analysis Tool (CAT) provides users with the opportunity to explore data on prosecuted arrests in New York City. This tutorial gives users some guidance on how to use the tool.

To learn more about CJA and the data, we recommend reviewing the CAT Glossary, visiting the "Who We Are" page of the website, and reviewing CJA's most recent Annual Report, which is available for download in the Publications section of the website.

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CJA's Case Analysis Tool (CAT) provides users with the opportunity to explore data on prosecuted arrests in New York City. This tutorial gives users some guidance on how to use the tool.

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## **Introduction**

The New York City Criminal Justice Agency (CJA) is the primary pretrial services provider in New York City. Under contract with the Mayor's Office of Criminal Justice (MOCJ) CJA provides pretrial services to individuals being prosecuted in NYC for alleged offenses, conducts research and analysis for the Mayor's Office and other policymakers, and provides services to the City's Criminal and Supreme courts.

To perform its operational and research duties, CJA maintains a database that includes background and court-processing information on virtually every adult arrested and prosecuted in New York City. Demographic information is obtained from CJA's pre-arraignment interview, arrest data are received by CJA through automated electronic transmissions from the New York City Police Department (NYPD), and case-processing data from the Office of Court Administration (OCA). Information about defendants' out-of-court bail making is transmitted to CJA by the New York City Department of Correction (DOC). The data in the CAT is derived from these data sources.

## Choose the year for analysis

Select a year for analysis. Variables and variable values change from year to year, so users can only generate results for one calendar year at a time. Please consult the Glossary for an explanation of how cases are organized by calendar year.

Currently the only available dataset is 2016. Data from other years will be available in the future.

### WELCOME TO THE CJA CASE ANALYSIS TOOL

Our interactive tool provides data on prosecuted arrests in New York City. With this tool, you can analyze the data by selecting up to three variables organized by five categories to generate tables.

To learn more about CJA and the data, we recommend reviewing the CAT Tutorial, the CAT Glossary, visiting the "Who We Are" page of the website, and reviewing CJA's most recent [Annual Report](#), which is available for download in the Publications section of the website.

When referencing data generated from this tool, please use the following citation:

New York City Criminal Justice Agency. Case Analysis Tool.  
Available at <http://nycja.clientwebdev.com/cat/>. Accessed [date tool was used].

↓ TUTORIAL

↓ VARIABLES GLOSSARY

### DATA YEAR

Please select a year to gather data from.

2016



### OUTPUT VARIABLES

Please select at least one output variable. For example, if you wanted to see the breakdown of all cases in our database by age and sex, you would choose "Age" as your first variable and "Sex" as your second.

Select Variable 1



Select Variable 2



### SORT VARIABLE

Select a third variable to sort your results by another measure. For example, if you wish to view the results above by borough, you would select "Borough" and your search would yield six tables; one for each of the five boroughs and one table representing data from all boroughs. If you do not wish to sort your results, simply click the Generate Results button below.

Select Variable 3



## Choose variables

Select the Output Variables for which you wish to see data. You can choose one variable or two.

*Note – you must select an item for Variable 1 before you can select an item for Variable 2.*

### DATA YEAR

Please select a year to gather data from.

2016

### OUTPUT VARIABLES

Please select at least one output variable. For example, if you wanted to see the breakdown of all cases in our database by age and sex, you would choose "Age" as your first variable and "Sex" as your second.

AGE


SEX

NONE  
DEMOGRAPHIC VARIABLES  
SEX  
RACE  
CJA INTERVIEW VARIABLES  
FULL-TIME ACTIVITY  
RELEASE RECOMMENDATION

### SORT VARIABLE

Select a third variable to sort your results by another method. For example, if you wanted to sort the results above by borough, you would select "Borough" as your third variable. If you want to sort each of the five boroughs and one table representing data for each borough, you would select "Borough" as your third variable. If you want to sort your results, simply click the Generate Results button below.

NONE

 GENERATE RESULTS




## Select a sort variable

If you wish, you can select a sort variable, for example, Borough of Arraignment. Selecting a sort variable generates unique tables for each value within that sort variable. In this example, a unique table will be generated for each of New York City's five boroughs.

### DATA YEAR

Please select a year to gather data from.

2016 


### OUTPUT VARIABLES

Please select at least one output variable. For example, if you wanted to see the breakdown of all cases in our database by age and sex, you would choose "Age" as your first variable and "Sex" as your second.


AGE  SEX 

### SORT VARIABLE

Select a third variable to sort your results by another measure. For example, if you wish to view the results above by borough, you would select "Borough" and your search would yield six tables; one for each of the five boroughs and one table representing data from all boroughs. If you do not wish to sort your results, simply click the Generate Results button below.

NONE 

- BOROUGH OF ARREST
- ARRAIGNMENT VARIABLES
- BOROUGH OF ARRAIGNMENT**
- ARRAIGNMENT CHARGE SEVERITY
- ARRAIGNMENT CHARGE TYPE
- ARRAIGNMENT OUTCOME
- RELEASE STATUS AT ARRAIGNMENT
- AMOUNT OF BAIL AT ARRAIGNMENT
- OPPORTUNITIES



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## Generate results

Click on the “Generate Results” button.

### DATA YEAR

---

*Please select a year to gather data from.*

2016



### OUTPUT VARIABLES

---

*Please select at least one output variable. For example, if you wanted to see the breakdown of all cases in our database by age and sex, you would choose “Age” as your first variable and “Sex” as your second.*

AGE



SEX



### SORT VARIABLE

---

*Select a third variable to sort your results by another measure. For example, if you wish to view the results above by borough, you would select “Borough” and your search would yield six tables; one for each of the five boroughs and one table representing data from all boroughs. If you do not wish to sort your results, simply click the Generate Results button below.*

BOROUGH OF ARRAIGNMENT



GENERATE RESULTS



The output will look something like this:

### OUTPUT VARIABLES

YEAR: 2016

VARIABLE 1: AGE

VARIABLE 2: SEX

SORT: BOROUGH OF ARRAIGNMENT

---

### FILTERS

DEMOGRAPHIC VARIABLES

- SEX
- AGE
- RACE

CJA INTERVIEW VARIABLES

- FULL-TIME ACTIVITY
- RELEASE RECOMMENDATION

ARREST VARIABLES

- ARREST TYPE
- ARREST CHARGE SEVERITY
- BOROUGH OF ARREST

ARRAIGNMENT VARIABLES

- BOROUGH OF ARRAIGNMENT
- ARRAIGNMENT CHARGE SEVERITY
- ARRAIGNMENT CHARGE TYPE
- ARRAIGNMENT OUTCOME
- RELEASE STATUS AT ARRAIGNMENT

### RESULTS FOR AGE BY SEX SORTED BY BOROUGH OF ARRAIGNMENT

[CSV](#) [PDF](#)

No filters selected: The results below represent all cases in the database.

VIEW OPTIONS: [FLIP ROWS & COLUMNS](#) VIEW BY:  #  %

BROOKLYN			
	Male	Female	Total
16-17	2,792	777	3,569
18-19	3,905	893	4,798
20-29	23,211	4,765	27,976
30-39	15,496	3,083	18,579
40-49	9,419	1,941	11,360
50 and over	8,850	1,592	10,442
Total	63,673	13,051	76,724

MANHATTAN			
	Male	Female	Total
16-17	1,963	692	2,655
18-19	3,655	1,023	4,678
20-29	22,903	5,374	28,277
30-39	15,195	2,907	18,102
40-49	10,066	1,830	11,896
50 and over	10,182	1,678	11,860
Total	63,964	13,504	77,468

QUEENS			
	Male	Female	Total
16-17	2,067	565	2,632
18-19	3,168	658	3,826
20-29	17,567	3,497	21,064
30-39	10,742	2,247	12,989
40-49	6,285	1,442	7,727
50 and over	5,431	1,127	6,558
Total	45,260	9,536	54,796

STATEN ISLAND			
	Male	Female	Total
16-17	391	123	514
18-19	544	157	701
20-29	2,996	750	3,746
30-39	2,089	547	2,636
40-49	1,229	298	1,527
50 and over	943	232	1,175
Total	8,192	2,107	10,299

BRONX			
	Male	Female	Total
16-17	2,509	498	3,007
18-19	3,339	639	3,978
20-29	16,798	3,095	19,893
30-39	10,215	2,013	12,228
40-49	6,145	1,108	7,253
50 and over	5,482	855	6,337
Total	44,488	8,208	52,696

TOTALS			
	Male	Female	Total
16-17	9,722	2,655	12,377
18-19	14,611	3,370	17,981
20-29	83,475	17,481	100,956
30-39	53,737	10,797	64,534
40-49	33,144	6,619	39,763
50 and over	30,888	5,484	36,372
Total	225,577	46,406	271,983

In this example, the cells are a cross-tabulation of defendant age by sex, sorted by borough. In the “Brooklyn” table, the cell with the value of 2,792 indicates that for 2016 prosecuted arrests in Brooklyn, defendants in 2,792 cases were males between the ages of 16 and 17.

## Adjust the displayed outputs

### Select percentages

The default setting for outputs is to display frequencies. Users can adjust the output to display percentages by selecting the “%” option in the “View By” command.

RESULTS FOR AGE BY SEX SORTED BY BOROUGH OF ARRAIGNMENT

 CSV  PDF



No filters selected: The results below represent all cases in the database.

VIEW OPTIONS:  FLIP ROWS & COLUMNS VIEW BY:  #  % 

BROOKLYN			
	Male	Female	Total
16-17	4.4	6.0	4.7
18-19	6.1	6.8	6.3
20-29	36.5	36.5	36.5
30-39	24.3	23.6	24.2
40-49	14.8	14.9	14.8
50 and over	13.9	12.2	13.6
Total	100.0	100.0	100.0

MANHATTAN			
	Male	Female	Total
16-17	3.1	5.1	3.4
18-19	5.7	7.6	6.0
20-29	35.8	39.8	36.5
30-39	23.8	21.5	23.4
40-49	15.7	13.6	15.4
50 and over	15.9	12.4	15.3
Total	100.0	100.0	100.0

Percentages in the tables are always column percentages. In this example, the cell in the Brooklyn table of “16-17” and “Male” indicates that in cases where the defendant was a male, 4.4% were between the ages of 16-17.



## Flip rows and columns

Users can also transpose the rows and columns by clicking on the “Flip X & Y” command. This changes what the percentage values indicate.

RESULTS FOR SEX BY AGE SORTED BY BOROUGH OF ARRAIGNMENT

CSV PDF



No filters selected. The results below represent all cases in the database.

VIEW OPTIONS: **FLIP ROWS & COLUMNS** VIEW BY:  #  %

BROOKLYN							
	16 - 17	18 - 19	20 - 29	30 - 39	40 - 49	50 and over	Total
Male	78.2	81.4	83.0	83.4	82.9	84.8	83.0
Female	21.8	18.6	17.0	16.6	17.1	15.2	17.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0

As always, percentages are column percentages. In this example, the value in the “Male” and “16-17” cell for the Brooklyn table indicates that in cases where the defendant was between the ages of 16-17, 78.2% were male.

Users must choose an option for both Variable 1 and Variable 2 for the flip feature to be activated. When there is no Variable 2 chosen, this functionality is disabled.

## Graphic displays

Users have the option to generate donut charts of the data by selecting the icon shaped like a pie chart. You can revert back to tables by selecting the icon that looks like a spreadsheet.

RESULTS FOR AGE BY SEX SORTED BY BOROUGH OF ARRAIGNMENT

CSV PDF

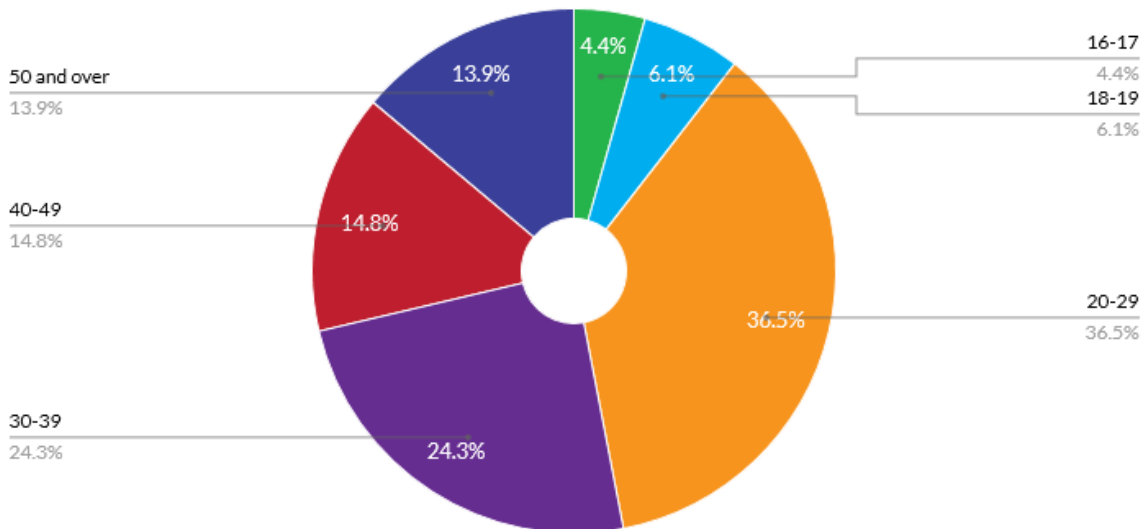


As selected: The results below represent all cases in the database.

VIEW OPTIONS: [FLIP ROWS & COLUMNS](#)

BROOKLYN


SEX: MALE



## Exporting the data

Users have the ability to export the data illustrated in the tables in PDF or CSV format.

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OUTPUT VARIABLES



YEAR  
2016




VARIABLE 1  
AGE




VARIABLE 2  
SEX

SORT  
BOROUGH OF ARRAIGNMENT

FILTERS 

RESULTS FOR AGE BY SEX SORTED BY BOROUGH OF ARRAIGNMENT  

  No filters selected: The results below represent all cases in the database. 

VIEW OPTIONS:  FLIP ROWS & COLUMNS VIEW BY:  #  %

BROOKLYN				MANHATTAN			
	Male	Female	Total		Male	Female	Total
16-17	2,792	777	3,569	16-17	1,963	692	2,655
18-19	3,905	893	4,798	18-19	3,655	1,023	4,678
20-29	23,211	4,765	27,976	20-29	22,903	5,374	28,277
30-39	15,496	3,083	18,579	30-39	15,195	2,907	18,102
40-49	9,419	1,941	11,360	40-49	10,066	1,830	11,896
50 and over	8,850	1,592	10,442	50 and over	10,182	1,678	11,860
Total	63,673	13,051	76,724	Total	63,964	13,504	77,468

## Filtering the outputs

After generating results, the user has the option to filter the output to only include cases in which specific criteria are met. The filter options are in the left sidebar. In this example, the data are filtered based on the defendant's release recommendation, including only those cases in which the defendant was "Not Recommended for ROR: High Risk of FTA" or "Not Recommended for ROR: Policy Exclusion." See the Glossary for a detailed description of the Release Recommendation variable.

**OUTPUT VARIABLES**

YEAR  
2016

VARIABLE 1  
AGE

VARIABLE 2  
SEX

SORT  
BOROUGH OF ARRAIGNMENT

**FILTERS**

DEMOGRAPHIC VARIABLES

- ▼ SEX
- ▼ AGE
- ▼ RACE

CJA INTERVIEW VARIABLES

- ▼ FULL-TIME ACTIVITY
- ▲ RELEASE RECOMMENDATION
  - Recommended for ROR
  - Moderate Risk
  - Not Recommended for ROR: High Risk of FTA
  - Not Recommended for ROR: Policy Exclusion
  - No Recommendation Made
  - DAT, not interviewed
  - Missing

**RESULTS FOR AGE BY SEX SORTED BY BOROUGH OF ARRAIGNMENT** CSV PDF

RELEASE RECOMMENDATION: Not Recommended for ROR: High Risk of FTA  
 RELEASE RECOMMENDATION: Not Recommended for ROR: Policy Exclusion

VIEW OPTIONS: [FLIP ROWS & COLUMNS](#) VIEW BY: # %

BROOKLYN				MANHATTAN			
	Male	Female	Total		Male	Female	Total
16-17	430	87	517	16-17	315	63	378
18-19	972	177	1,149	18-19	1,001	168	1,169
20-29	7,567	1,031	8,598	20-29	7,862	1,075	8,937
30-39	6,049	843	6,892	30-39	6,358	708	7,066
40-49	4,407	665	5,072	40-49	4,798	473	5,271
50 and over	4,467	538	5,005	50 and over	5,079	448	5,527
Total	23,892	3,341	27,233	Total	25,413	2,935	28,348

QUEENS				STATEN ISLAND			
	Male	Female	Total		Male	Female	Total
16-17	246	41	287	16-17	40	—	40
18-19	683	102	785	18-19	93	—	93
20-29	4,870	658	5,528	20-29	959	164	1,123
30-39	3,526	394	3,920	30-39	807	124	931
40-49	2,101	266	2,367	40-49	512	56	568
50 and over	1,858	204	2,062	50 and over	333	34	367
Total	13,284	1,665	14,949	Total	2,744	378	3,122

BRONX				TOTALS			
	Male	Female	Total		Male	Female	Total
16-17	505	61	566	16-17	1,536	252	1,788
18-19	951	143	1,094	18-19	3,700	590	4,290
20-29	6,692	801	7,493	20-29	27,950	3,729	31,679
30-39	4,835	606	5,441	30-39	21,575	2,675	24,250
40-49	3,215	422	3,637	40-49	15,033	1,882	16,915

The selected filters are listed at the top of the screen after the user has selected them. The user can remove one or more filters by unticking the item in the left sidebar, or clicking on the "X" next to the filter at the top of the screen.

If you would like to display the percentages of an outcome variable for a limited set of values, use the filter option. For example, if you want to determine the percentages for “Did the Defendant Ever Fail to Appear” for only the “Yes and No” options, do the following: 1) choose “Did the Defendant Ever Fail to Appear” as variable 1; 2) generate results; 3) in the left sidebar, select “Yes” and “No” under “Did the Defendant Ever Fail to Appear.” These steps will generate a table that looks something like this:

**VARIABLE 1**  
DID THE DEFENDANT EVER FAIL ...

**VARIABLE 2**  
Select Variable 2

**SORT**  
Select Variable 3

**FILTERS**

**DEMOGRAPHIC VARIABLES**

- ▼ SEX
- ▼ AGE
- ▼ RACE

**CJA INTERVIEW VARIABLES**

- ▼ FULL-TIME ACTIVITY
- ▼ RELEASE RECOMMENDATION

**ARREST VARIABLES**

- ▼ ARREST TYPE
- ▼ ARREST CHARGE SEVERITY
- ▼ BOROUGH OF ARREST

**ARRAIGNMENT VARIABLES**

- ▼ BOROUGH OF ARRAIGNMENT
- ▼ ARRAIGNMENT CHARGE SEVERITY
- ▼ ARRAIGNMENT CHARGE TYPE
- ▼ ARRAIGNMENT OUTCOME
- ▼ RELEASE STATUS AT ARRAIGNMENT
- ▼ AMOUNT OF BAIL AT ARRAIGNMENT

**CASE VARIABLES**

- ▼ WAS THE DEFENDANT EVER RELEASED
- ▲ DID THE DEFENDANT EVER FAIL TO APPEAR
  - Yes
  - No
  - Defendant never released

**VIEW OPTIONS:** [FLIP ROWS & COLUMNS](#) **VIEW BY:** ● # ● %

RESULTS	
	Total
Yes	13.8
No	86.2
Total	100.0

Note the output contains a percentage breakdown of only those values that were selected in the filter option.

## Cells with small frequencies

If the total number of cases in a cell is less than or equal to 25, the frequency is not displayed and instead the user will see an em dash. This is to prevent users from identifying cases and defendants with very unusual combinations of characteristics, and then determining outcomes for that case.

RESULTS FOR AGE BY SEX SORTED BY BOROUGH OF ARRAIGNMENT

 CSV  PDF



- ✘ RELEASE RECOMMENDATION: Not Recommended for ROR: High Risk of FTA
- ✘ RELEASE RECOMMENDATION: Not Recommended for ROR: Policy Exclusion

VIEW OPTIONS:  FLIP ROWS & COLUMNS VIEW BY:  #  %

BROOKLYN			
	Male	Female	Total
16-17	430	87	517
18-19	972	177	1,149
20-29	7,567	1,031	8,598
30-39	6,049	843	6,892
40-49	4,407	665	5,072
50 and over	4,467	538	5,005
Total	23,892	3,341	27,233

MANHATTAN			
	Male	Female	Total
16-17	315	63	378
18-19	1,001	168	1,169
20-29	7,862	1,075	8,937
30-39	6,358	708	7,066
40-49	4,798	473	5,271
50 and over	5,079	448	5,527
Total	25,413	2,935	28,348

QUEENS			
	Male	Female	Total
16-17	246	41	287
18-19	683	102	785
20-29	4,870	658	5,528
30-39	3,526	394	3,920
40-49	2,101	266	2,367
50 and over	1,858	204	2,062
Total	13,284	1,665	14,949

STATEN ISLAND			
	Male	Female	Total
16-17	40	—	40
18-19	93	—	93
20-29	959	164	1,123
30-39	807	124	931
40-49	512	56	568
50 and over	333	34	367
Total	2,744	378	3,122

If a user selects a sort variable, the “Totals” table will only reflect totals of the frequencies displayed. Similarly, percentage outputs and graphical outputs will only reflect the displayed frequencies.