SIPA-14-0004.4



### **ANNEX A: Original Documents**

- ANNEX A-1: Example of Weekly Compstat report
- ANNEX A-2: Map of Crime Incidents in Morningside Heights and Harlem
- ANNEX A-3: Map of Fire Incidents in Commercial and High-Rise Buildings in New York City
- ANNEX A-4: Illustration of FDNY's Risk-Based Inspection System
- ANNEX A-5: Image of NYC Property Tax Explorer
- ANNEX A-6: Visualization of Bike Routes and Bike Lane Parking Violations in Lower Manhattan
- ANNEX A-7: Illustration of the Different Datasets Merged into the Databridge System

Copyright © 2017 The Trustees of Columbia University in the City of New York. No part of this publication may be reproduced, revised, translated, stored in a retrieval system, used in a spreadsheet, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise) without the written permission of the Case Consortium.

An example of a weekly Compstat report, showing citywide crime statistics for end of March 2014.



# Police Department City of New York



Volume 21 Number 13

## CompStat

Citywide

Report Covering the Week 3/24/2014 Through 3/30/2014

				Crin	ne Comp	laints						
	Week to Date			28 Day			Year to Date*			2Year	5Year	21Year
	2014	2013	% Chg	2014	2013	% Chg	2014	2013	% Chg	% Chg	% Chg (2009)	
Murder	9	4	125.0	22	20	10.0	67	74	-9.5	-30.2	-27.2	-86.0
Rape	31	24	29.2	95	109	-12.8	299	332	-9.9	-13.3	12.8	-58.3
Robbery	298	287	3.8	1,079	1,183	-8.8	3,832	4,129	-7.2	-15.0	-10.0	-81.4
Fel. Assault	340	317	7.3	1,401	1,335	4.9	4,446	4,162	6.8	6.5	27.8	-48.4
Burglary	272	293	-7.2	1,125	1,128	-0.3	3,857	3,967	-2.8	-11.1	-5.5	-83.8
Gr. Larceny	761	752	1.2	3,086	3,029	1.9	9,628	9,808	-1.8	1.7	8.9	-48.1
G.L.A.	119	142	-16.2	494	464	6.5	1,597	1,475	8.3	-7.5	-33.6	-94.2
TOTAL	1,830	1,819	0.60	7,302	7,268	0.47	23,726	23,947	-0.92	-3.75	1.30	-76.34
Transit	36	41	-12.2	158	163	-3.1	555	586	-5.3	-17.5	5.5	***
Housing	75	117	-35.9	339	362	-6.4	1,140	1,097	3.9	6.8	30.6	***
<b>Petit Larceny</b>	1,479	1,510	-2.1	5,856	5,841	0.3	18,164	18,264	-0.5	-4.7	0.2	***.*
Misd. Assault	819	797	2.8	3,378	3,107	8.7	9,925	9,728	2.0	-6.9	0.2	***
Misd. Sex Crimes	58	34	70.6	210	186	12.9	584	601	-2.8	-19.9	-14.5	***.*
Shooting Vic.	26	20	30.0	89	74	20.3	231	244	-5.3	-29.1	-21.2	-82.6
Shooting Inc.	21	17	23.5	73	60	21.7	201	208	-3.4	-27.2	-14.5	-83.4

	Historical Perspective										
(Historical perspective is a complete calendar year of data.)											
	1990	1993	1998	2001	2013	%Chg '13 vs '01	%Chg '13 vs '98	%Chg '13 vs '93	%Chg '13 vs '90		
Murder	2,262	1,927	629	649	335	-48.4	-46.7	-82.6	-85.2	Murder	
Rape	3,126	3,225	2,476	1,930	1,378	-28.6	-44.3	-57.3	-55.9	Rape	
Robbery	100,280	85,892	39,003	27,873	19,128	-31.4	-51.0	-77.7	-80.9	Robbery	
Fel. Assault	44,122	41,121	28,848	23,020	20,297	-11.8	-29.6	-50.6	-54.0	Fel. Assault	
Burglary	122,055	100,936	47,181	32,694	17,429	-46.7	-63.1	-82.7	-85.7	Burglary	
Gr. Larceny	108,487	85,737	51,461	46,291	45,368	-2.0	-11.8	-47.1	-58.2	Gr. Larceny	
G.L.A.	146,925	111,622	43,315	29,607	7,400	-75.0	-82.9	-93.4	-95.0	G.L.A.	
TOTAL	527,257	430,460	212,913	162,064	111,335	-31.30	-47.71	-74.14	-78.88	TOTAL	

The above CompStat figures are posted on Monday, one week after the closing date.

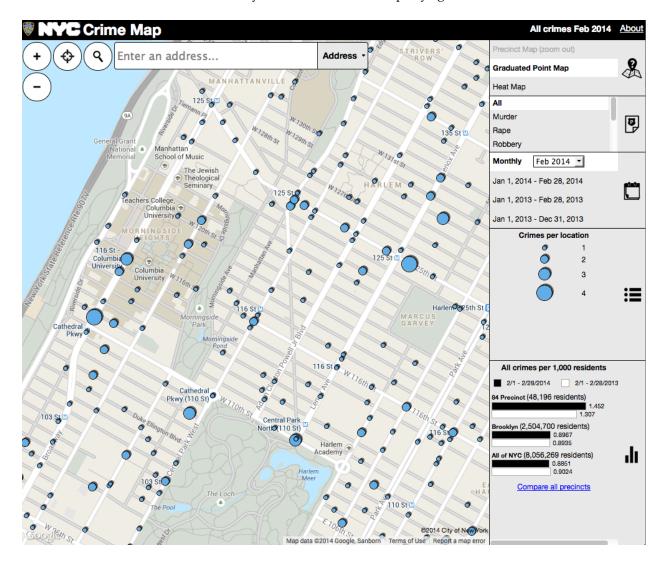
Crime statistics reflect New York State Penal Law definitions and differ from the crime categories to the F.B.I. Uniform Crime Reporting System. All Degrees of rape are included in the rape category. All figures are subject to further analysis and revision.

Prepared by NYPD CompStat Unit

CompStat

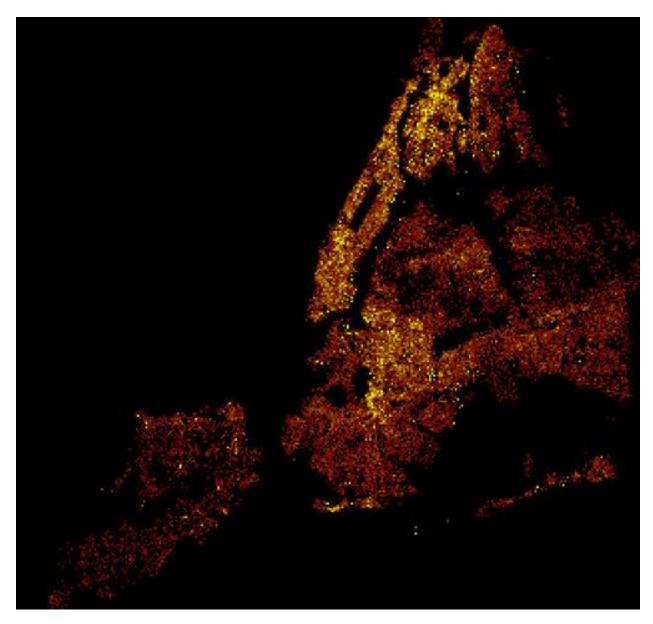
**ANNEX A-2** 

An image of an interactive map showing crime incidents in Morningside Heights and Harlem during February 2014. Available via maps.nyc.gov.



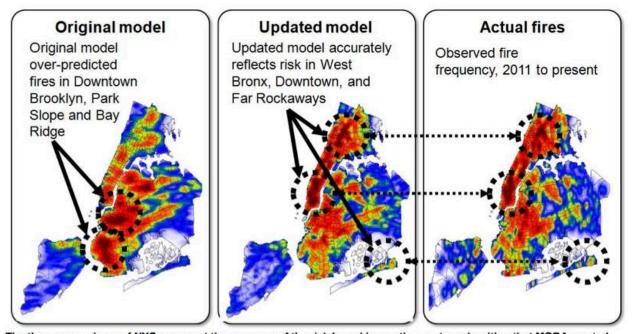
**ANNEX A-3** 

A map showing fire incidents in commercial and high-rise buildings in New York City. From FDNY Analytics and available via NYC Open Data, nycopendata.socrata.com.



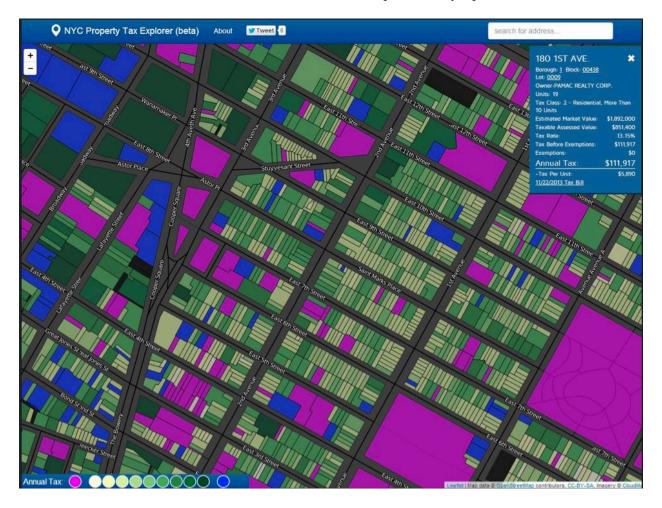
The Mayor's Office of Data Analytics illustration of FDNY's Risk-Based Inspection System. Source: Michael R. Bloomberg and Michael Flowers, "NYC by the Numbers Annual Report—2013," December 2013, p. 9. Available: http://www.nyc.gov/html/analytics/downloads/pdf/annual\_report\_2013.pdf

#### FDNY's Risk Based Inspection System (RBIS)



The three maps above of NYC represent the progress of the risk based inspection system algorithm that MODA created with the Fire Department (FDNY). At left is the original map of high-risk zones from the first version of the FDNY RBIS model; center is the updated model, weighting risk criteria based on MODA's statistical regression; at right is an actual map of recent fires in New York City.

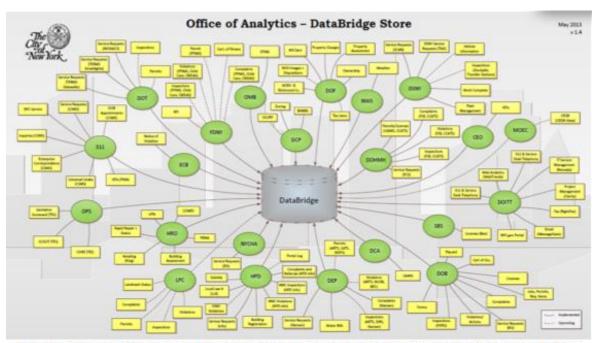
Image of the NYC Property Tax Explorer, which combines Department of City Planning data with information on estimated market value, assessed value, building type, tax rate, and annual tax from 2013 NYC property tax bills for buildings on New York City's Lower East Side. Built by Chris Whong, Akil Harris and Ameen Solemani and available via NYC Open Data, nycopendata.socrata.com.



Visualization of bike routes and bike lane parking violations in lower Manhattan from July 30, 2013 through October 29, 2013. Built using the ArcGIS Online Storytelling Text and Legend web application template by Tom Swanson and available via NYC Open Data, nycopendata.socrata.com.



The Mayor's Office of Data Analytics illustration of the different datasets merged into the Databridge system, the platform MODA launched to aggregate cross-agency data. Source: Michael R. Bloomberg and Michael Flowers, "NYC by the Numbers Annual Report—2013," December 2013, p. 14. Available: http://www.nyc.gov/html/analytics/downloads/pdf/annual\_report\_2013.pdf



The above data map illustrates the data collected, by agency, and agency system, and fed into DataBridge.