Housing Complaints in NYC



Analyzed and Presented by Junaid Qaiser

Data Source

Source: NYC OPEN DATA SOCRATA

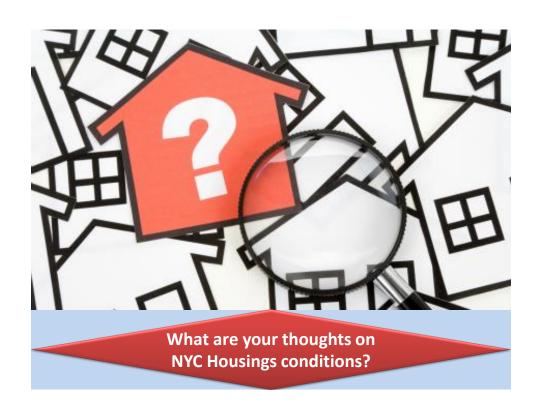
Data Set: Social Services-Housing Complaints

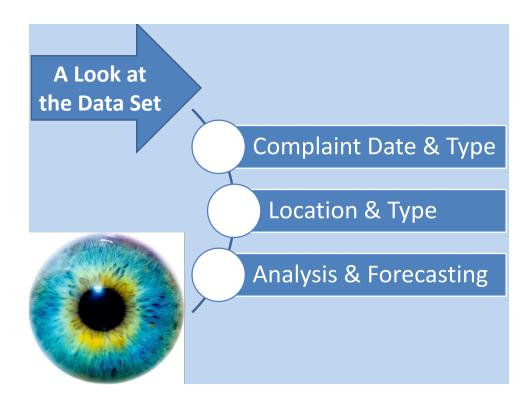
Housing Complaints are based off service requests from 2010 to Present (December 5th)

Contains: 4,206,778 Records

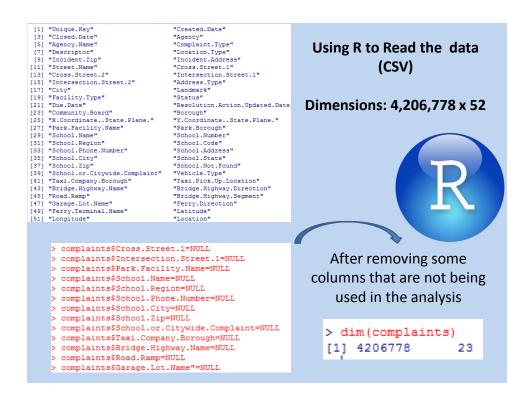
Possible Uses of this Data

- Comparing housing conditions in NYC
- Potential Market opportunities for select businesses
 - What solutions can we come up with to solve those problems?
- Guidance to new residents for what areas tend to have better living conditions.

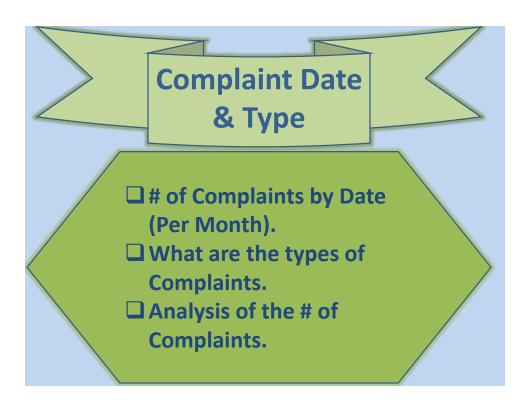


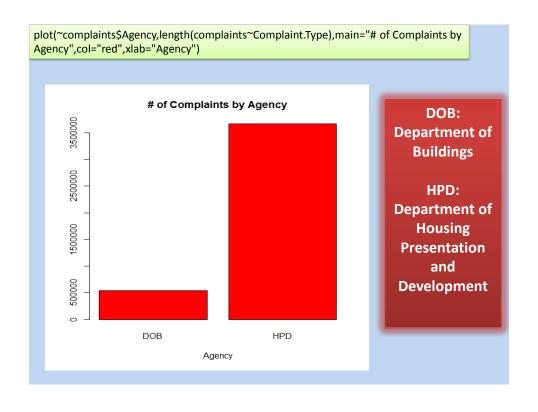


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A View o	f the Data Set	t (Portion)
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tency Name Complaint Type	-	Location Type Incident Zir Incident Address
ency Name Complaint Type Epartment of Housing Preservation and Developms GENERAL	Descriptor BELL/BUZZER/INTERCOM	RESIDENTIAL BUILDING 11230 1589 OCEAN AVENUE
	FLOOR	RESIDENTIAL BUILDING 11230 1589 OCEAN AVENUE
epartment of Housing Preservation and Developm FLOORING/STAIRS		
epartment of Housing Preservation and Developm (HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDIN(10462 2090 EAST TREMONT AVENUE
epartment of Housing Preservation and Developm (HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDIN(11367 138-28 JEWEL AVENUE
epartment of Housing Preservation and Developm HPD Literature Request	The ABCs of Housing	
epartment of Housing Preservation and Developm (HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDIN(11225 227 SULLIVAN PLACE
epartment of Housing Preservation and Developme HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDIN(11238 469 CLINTON AVENUE
epartment of Housing Preservation and Developm (HPD Literature Request	The ABCs of Housing	
epartment of Housing Preservation and Developm (UNSANITARY CONDITION	PESTS	RESIDENTIAL BUILDIN(11211 224 SOUTH 3 STREET
epartment of Housing Preservation and Developm UNSANITARY CONDITION	PESTS	RESIDENTIAL BUILDIN(11211 224 SOUTH 3 STREET
epartment of Housing Preservation and Developm PAINT/PLASTER	CEILING	RESIDENTIAL BUILDIN(10474 889 HUNTS POINT AVENUE
epartment of Housing Preservation and Developm (WATER LEAK	HEAVY FLOW	RESIDENTIAL BUILDIN(10474 889 HUNTS POINT AVENUE
epartment of Housing Preservation and Developme HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDING 10454 2628 3 AVENUE
epartment of Housing Preservation and Developme HEAT/HOT WATER	APARTMENT ONLY	RESIDENTIAL BUILDING 10037 436 LENOX AVENUE
epartment of Housing Preservation and Develoom HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDING 11212 469 EAST 98 STREET
epartment of Housing Preservation and Developm SAFETY	SMOKE DETECTOR	RESIDENTIAL BUILDING 11221 1141 GREENE AVENUE
epartment of Housing Preservation and Developm SAFETY	CARBON MONOXIDE DETECTOR	RESIDENTIAL BUILDING 11221 1141 GREENE AVENUE
epartment of Housing Preservation and Developme HEAT/HOT WATER	APARTMENT ONLY	RESIDENTIAL BUILDING 11221 1141 GREENE AVENUE
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epartment of Housing Preservation and Developme HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDING 11226 22 MARTENSE STREET
epartment of Housing Preservation and Developme HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDING 11226 600 FAST 18 STREET
epartment of Housing Preservation and Developme HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDING 10468 2518 UNIVERSITY AVENUE
epartment of Housing Preservation and Developme HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDING 10458 2308 HUGHES AVENUE
epartment of Housing Preservation and Developms HEAT/HOT WATER	APARTMENT ONLY	RESIDENTIAL BUILDING 10436 2306 HUGHES AVENUE RESIDENTIAL BUILDING 11203 282 FAST 35 STREET
	ENTIRE BUILDING	RESIDENTIAL BUILDING 10023 129 WEST 74 STREET
epartment of Housing Preservation and Developme HEAT/HOT WATER		
epartment of Housing Preservation and Developm ELECTRIC	POWER OUTAGE	RESIDENTIAL BUILDIN(10310 177 CAMPBELL AVENUE
epartment of Housing Preservation and Developm (HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDIN(10467 201 EAST MOSHOLU PARKWAY NORTH
epartment of Housing Preservation and Developm (HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDIN(10462 2090 EAST TREMONT AVENUE
epartment of Housing Preservation and Developm (HEAT/HOT WATER	APARTMENT ONLY	RESIDENTIAL BUILDIN(10040 4455 BROADWAY
epartment of Housing Preservation and Developme HEAT/HOT WATER	ENTIRE BUILDING	RESIDENTIAL BUILDIN(11233 545 HOWARD AVENUE
epartment of Housing Preservation and Developme WATER LEAK	DAMP SPOT	RESIDENTIAL BUILDING 10027 320 ST NICHOLAS AVENUE

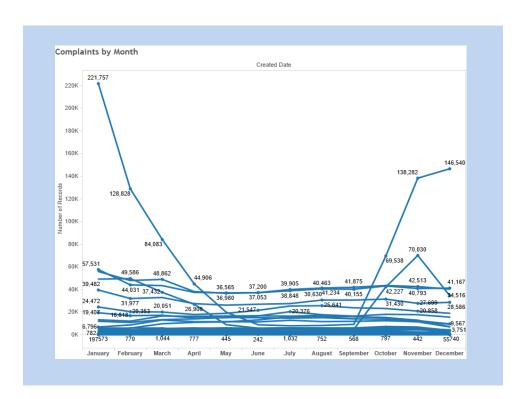


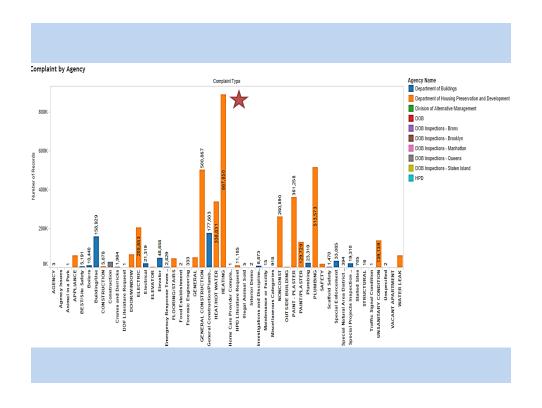


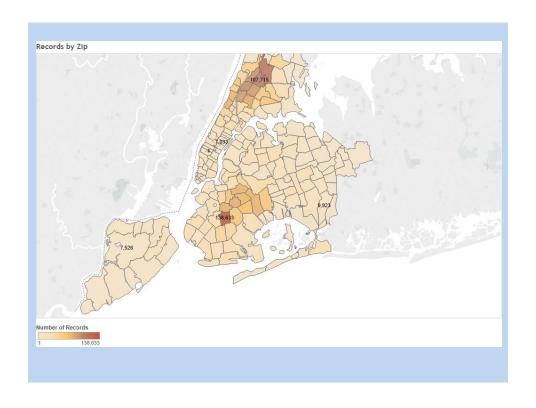


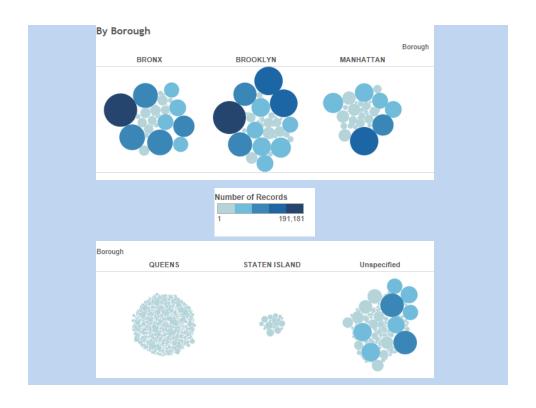


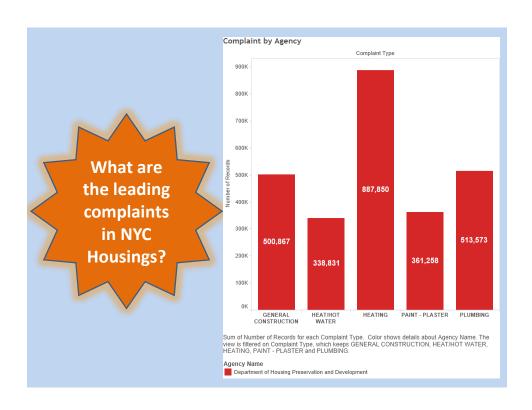
Complaints by Month																		
	Created Date																	
Complaint Type	January	February	March	April	May	June	July	August	Septemb	October	Novemb	Decemi						
AGENCY							1		2									
Agency Issues			1								1							
Animal in a Park					1													
APPLIANCE	5,068	4,352	4,778	4,465	4,431	5,107	6,048	5,841	5,178	5,683	5,636	4,27						
BEST/Site Safety	377	433	540	404	410	449	411	482	419	503	391	37						
Boilers	1,866	1,394	1,044	777	445	419	323	327	378	797	1,374	1,29						
Building/Use	11,841	10,857	13,350	13,987	15,223	15,072	14,621	15,067	14,000	13,690	11,937	9,28						
CONSTRUCTION	507	449	412	368	362	408	396	442	420	426	422	4						
Construction	1,933	1,866	1,954	2,007	2,106	2,613	2,864	2,746	2,696	2,907	2,544	2,0						
Cranes and Derricks	154	137	202	213	211	194	154	149	125	181	139	12						
DOF Literature Request			1															
DOOR/WINDOW	3,841	3,844	5,502	5,984	5,472	5,737	6,075	5,981	6,010	7,260	6,793	3,75						
ELECTRIC	19,407	16,818	17,202	14,800	15,242	16,641	20,376	17,679	16,435	18,040	17,689	15,54						
Electrical	1,701	1,655	2,123	1,833	1,869	2,066	2,324	1,802	1,569	1,628	1,359	1,39						
ELEVATOR	70	69	133	133	124	181	187	179	173	230	183	(
Elevator	3,998	3,355	3,836	3,609	4,219	4,646	5,182	4,088	3,925	4,074	4,409	3,51						
Emergency Response Team	364	299	331	239	245	242	202	227	267	252	43	11						
FLOORING/STAIRS	2,040	2,147	3,916	4,440	4,376	4,287	4,842	4,521	4,588	4,918	4,700	2,3						
Food Establishment					2													
Forensic Engineering		2			177		131		2	1	4	1						
GENERAL	3,553	5,844	5,926	3,967	3,983	4,069	4,325	4,077	4,116	4,814	4,797	2,8						
GENERAL CONSTRUCTION	57,531	44,031	43,365	37,400	36,980	37,053	38,848	40,463	40,155	43,081	40,793	41,16						
General Construction/Plum	13,208	11,991	16,594	16,174	16,526	16,749	16,378	17,049	15,832	15,192	12,423	9,56						
HEAT/HOT WATER	49,106	49,586	37,432	26,908	8,883	5,734	5,018	4,525	4,958	42,227	70,030	34,5						
HEATING	221,757	128,828	84,083	44,906	19,930	8,794	7,881	8,160	9,170	69,538	138,282	146,5						



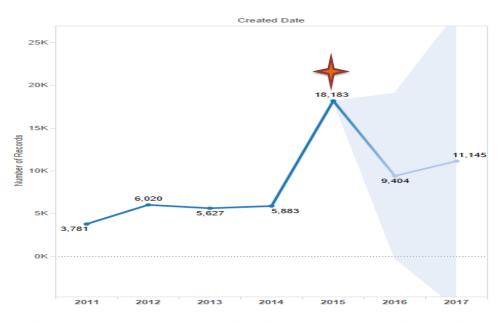






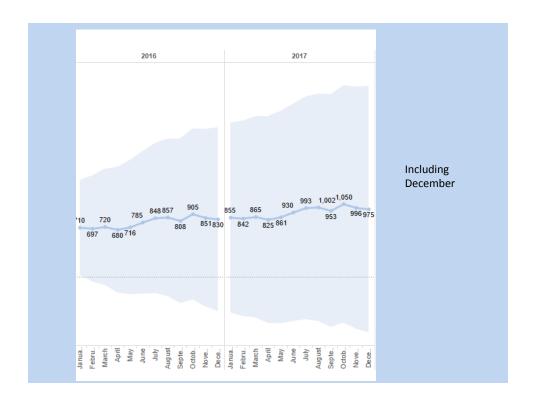


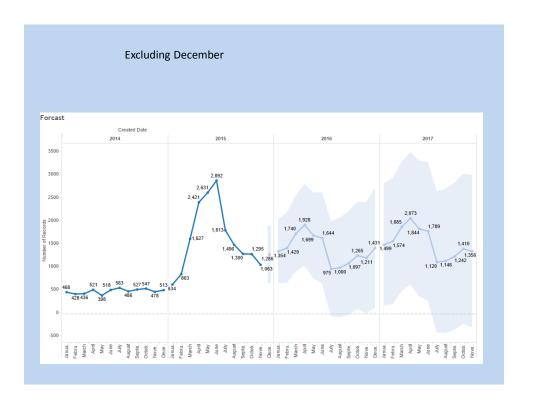




The trend of Number of Records for Created Date Year. Color shows details about ATTR(Forecast Indicator). Details are shown for Number of Records. The data is filtered on Due Date Year, which keeps 2011, 2012, 2013, 2014 and 2015.

ATTR(Forecast Indicator)
Actual
Estimate

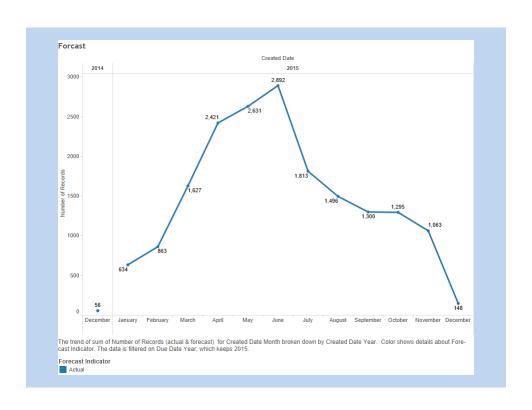


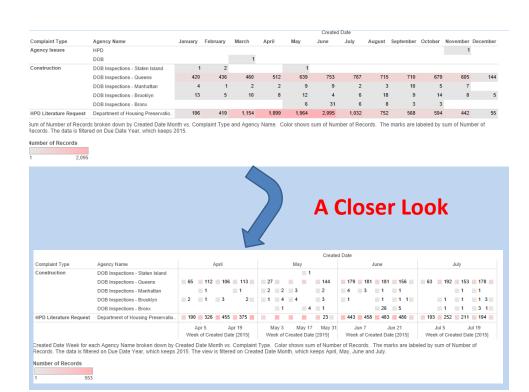


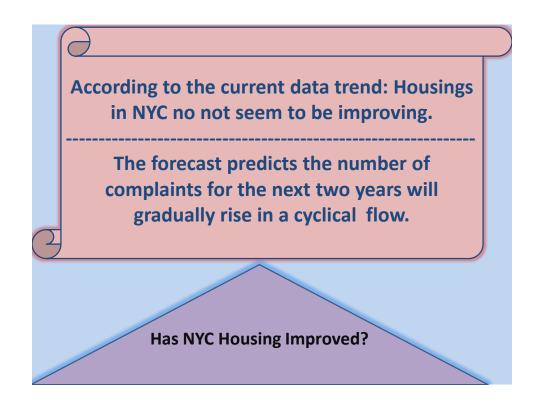


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One thing that we can note from our analysis is the increase in construction inspection complaints

Using our findings: How can we improve housing conditions in NYC?

		Created Date																
Complaint Type	Agency Name	April					May					June				July		
Construction	DOB Inspections - Staten Island					1												
	DOB Inspections - Queens	□ 65	11	2 🗏 106	113 🗏	□ 2	7 📰			144	179	9 🗏 181	181	156	□ 63	192	153	178
	DOB Inspections - Manhattan		1 1		1	□ 2	2	□ 3		2	■ 4	3	1	1			III 1	III 1
	DOB Inspections - Brooklyn	□ 2	■ 1	■ 3	2	■ 1	■ 4	■ 4		□ 3	≡ 1		⊞ 1	1 1		1	1 1	13
	DOB Inspections - Bronx						1 1		4	III 1			26	5		1	III 1	3 1
HPD Literature Request	Department of Housing Preservatio	19	0 🔳 32	6 📕 455	375 🔳					23	443	3 🔳 458	483	480	193	252	211	194

- One solution might be to conduct inspections more often (Con: Costly)
 - Possibly have smaller inspections leading up to a bigger one.
- A large number of complaints to the Department of Housing Preservation and development indicate that NYC housing is getting worse
 The Department of Housing Preservation and Development (HPD) is the department of the government of New York City responsible for developing and maintaining the city's stock of affordable housing.

HPD can find what areas are having large influxes of complaints and along with the possible violations fees maybe come up with a point system holding the building owners more accountable.

Lets take a Look from a Business End:

