

NYC CRASH MAPPER

CHRIS HENRICK

NACIS 2017

GreenInfo Network





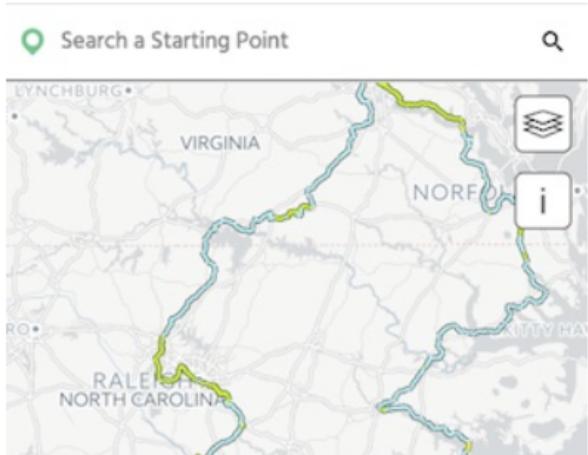
Guiding the Bay Water Trail



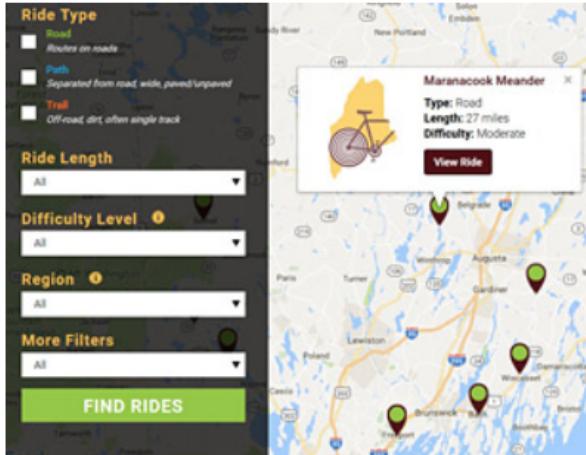
SOCIAL
ALL FINDINGS
Click a square for detailed results
Access to land

Miteva et al. 2015: FSC certification lead to there being fewer malnourished people in communities associated with the certified logging concessions.

Evidence-based Conservation



Get me to the Greenway!



Bike Router for Maine

\$1,155,000

Cutting turnover in half would save

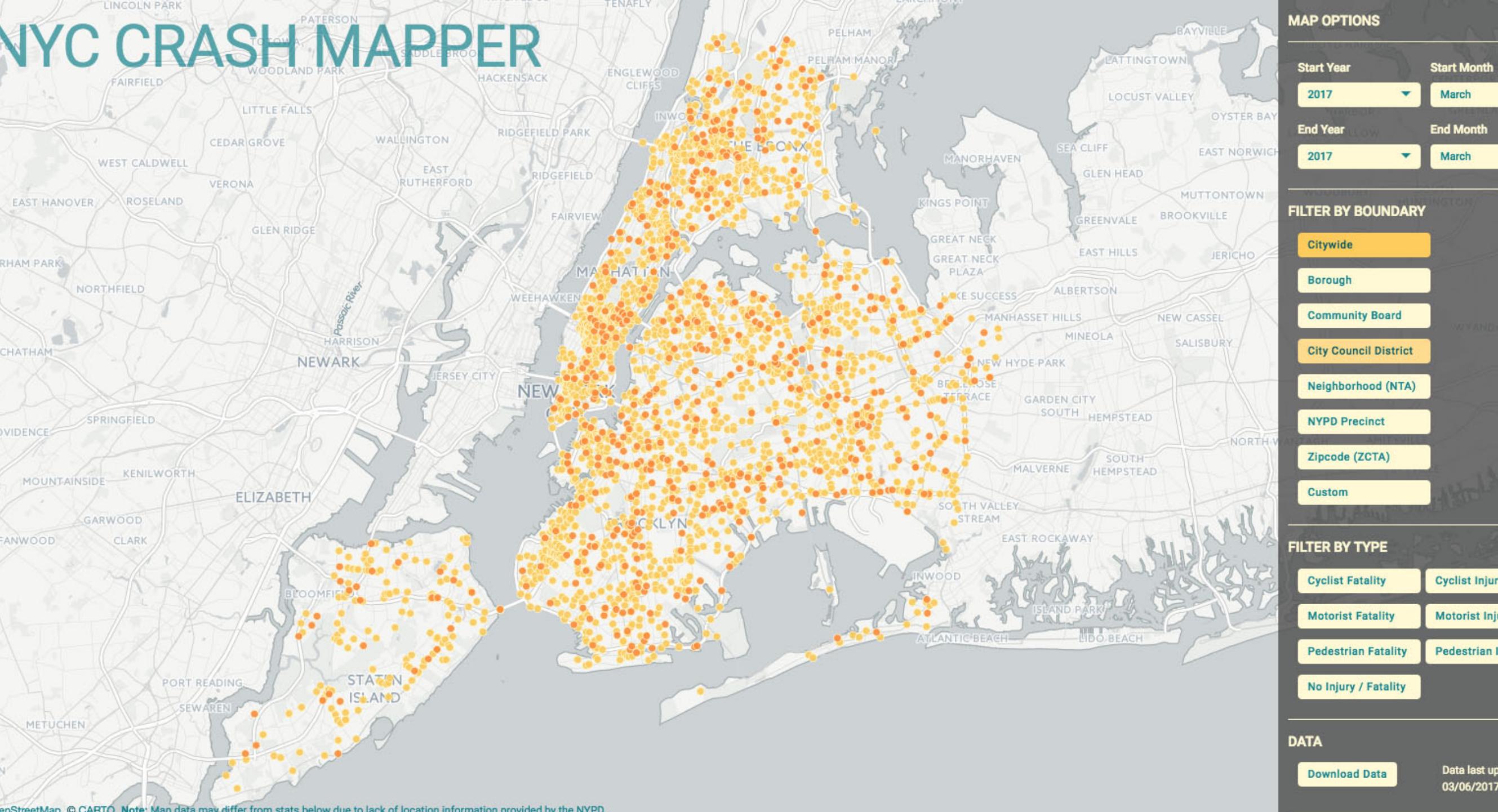
\$577,500

* Teacher turnover is costly, and not just in dollars. Studies show that student achievement suffers in schools with high turnover.

The Cost of Teacher Turnover



Sustainable Seafood Finder



OpenStreetMap, © CARTO Note: Map data may differ from stats below due to lack of location information provided by the NYPD.

R, 2017 – MAR, 2017		552 TOTAL CRASHES				CONTRIBUTING FACTORS		LEGEND	
S		INJURIES	46	155	525	726	6	Driver Inattention / Distraction,Unspecified	> 67
S	0	HADSON PARK	0	HAROLD	0		6	Unspecified,Unspecified	53
t	Ped								32
t	Motorist		Total	Cyclist	Ped	Motorist			<= 11

**OPEN DATA
IS OPEN,
BUT NOT ALWAYS...**

**USABLE
OF GOOD QUALITY
EASY TO DOWNLOAD**

DOG FOODING

"Eating your own dog food" makes for better open data

Many open data portals aren't used by gov...

Leaving little incentive for data QA & improvement

~14% OF ALL CRASHES ARE NOT GEOCODED

THANKS, NYPD

**35% OF ALL CRASHES ARE MISSING
VALUABLE INFO**

**ON STREET NAME
CROSS STREET NAME
BOROUGH NAME
CONTRIBUTING FACTORS**

"ONE SIZE FITS ALL"

Open data platforms ~~don't~~ can't work well
for every type of data and use case.

NYC CRASH MAPPER

1 million+ rows of data, average of 17,500 crashes per month

Goal: Make vehicle collision data *more open*

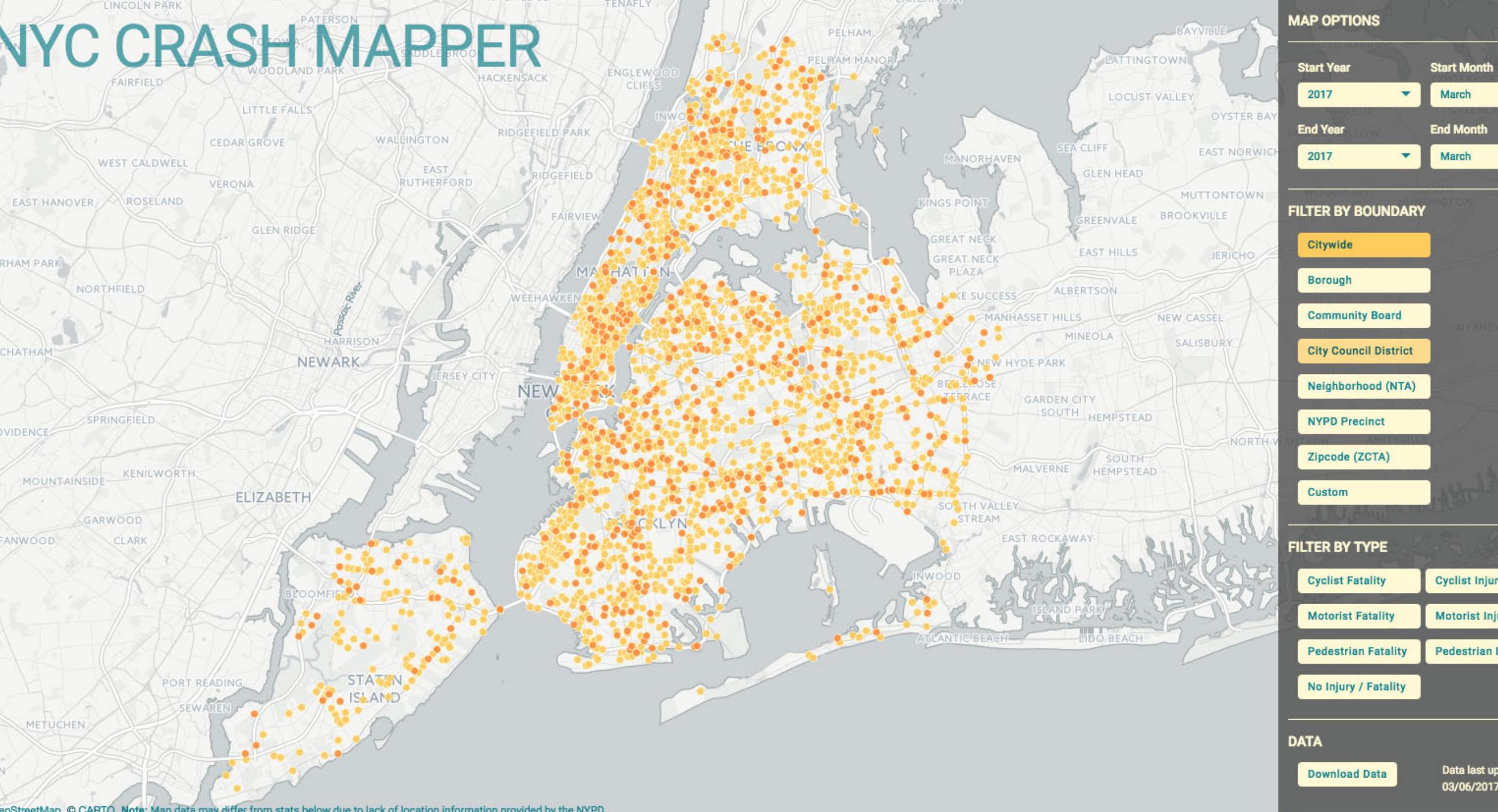
Primary Audience: Transportation safety advocates in NYC

Intended Use: Persuade elected officials to improve traffic safety

Funded by: Chekpedz, a non-profit in Hell's Kitchen, Manhattan

Grant from: CARTO

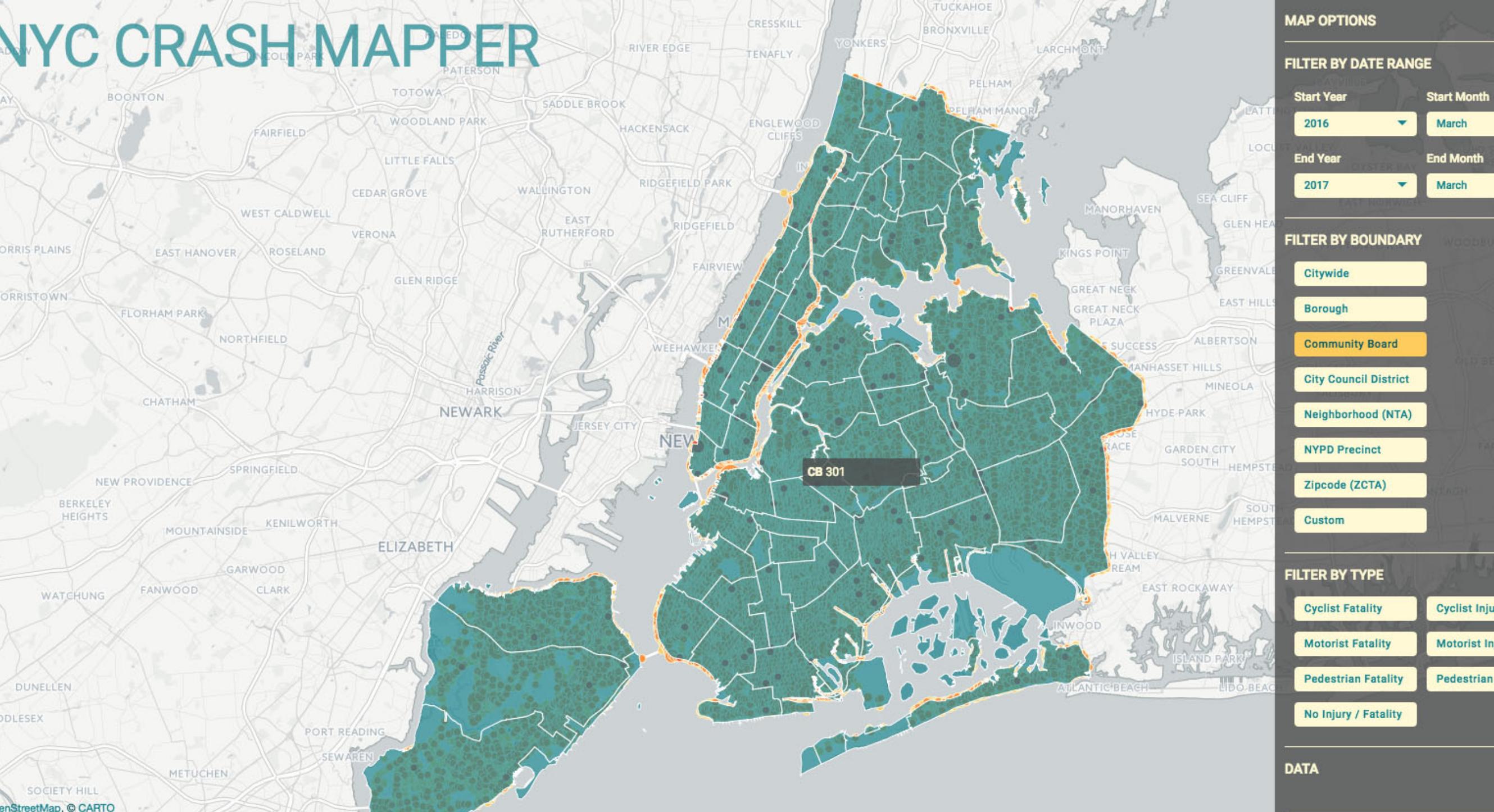
FEATURES



OpenStreetMap, © CARTO Note: Map data may differ from stats below due to lack of location information provided by the NYPD.

R, 2017 – MAR, 2017		552 TOTAL CRASHES				CONTRIBUTING FACTORS		LEGEND			
S		INJURIES				6 Driver Inattention / Distraction,Unspecified		● > 67			
0	0	46	155	525	726	6 Unspecified,Unspecified		○ 53			
Ped	Motorist	Cyclist	Ped	Motorist	Total	● Injury		○ 32			
						● None		○ <=11			
Disclaimer		About				SHARE					
URL		Facebook				Twitter					

NYC CRASH MAPPER



Mar, 2016 – Mar, 2017

228,675 TOTAL CRASHES

S	140	74	232	
Ped	Motorist	Total		
NEW BRUNSWICK				
Cyclist	5,842	13,171	54,176	73,189

INJURIES

Cyclist	Ped	Motorist	Total
5,842	13,171	54,176	73,189

CONTRIBUTING FACTORS

301,992	Unspecified
44,013	"Driver Inattention / Distraction"
12,073	"Failure to Yield Right-of-Way"

LEGEND

- > 67
- 53
- 32
- <= 11

- Fatality
- Injury
- None

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MAP OPTIONS

FILTER BY DATE RANGE

Start Year	2016	Start Month	March
End Year	2017	End Month	March

FILTER BY BOUNDARY

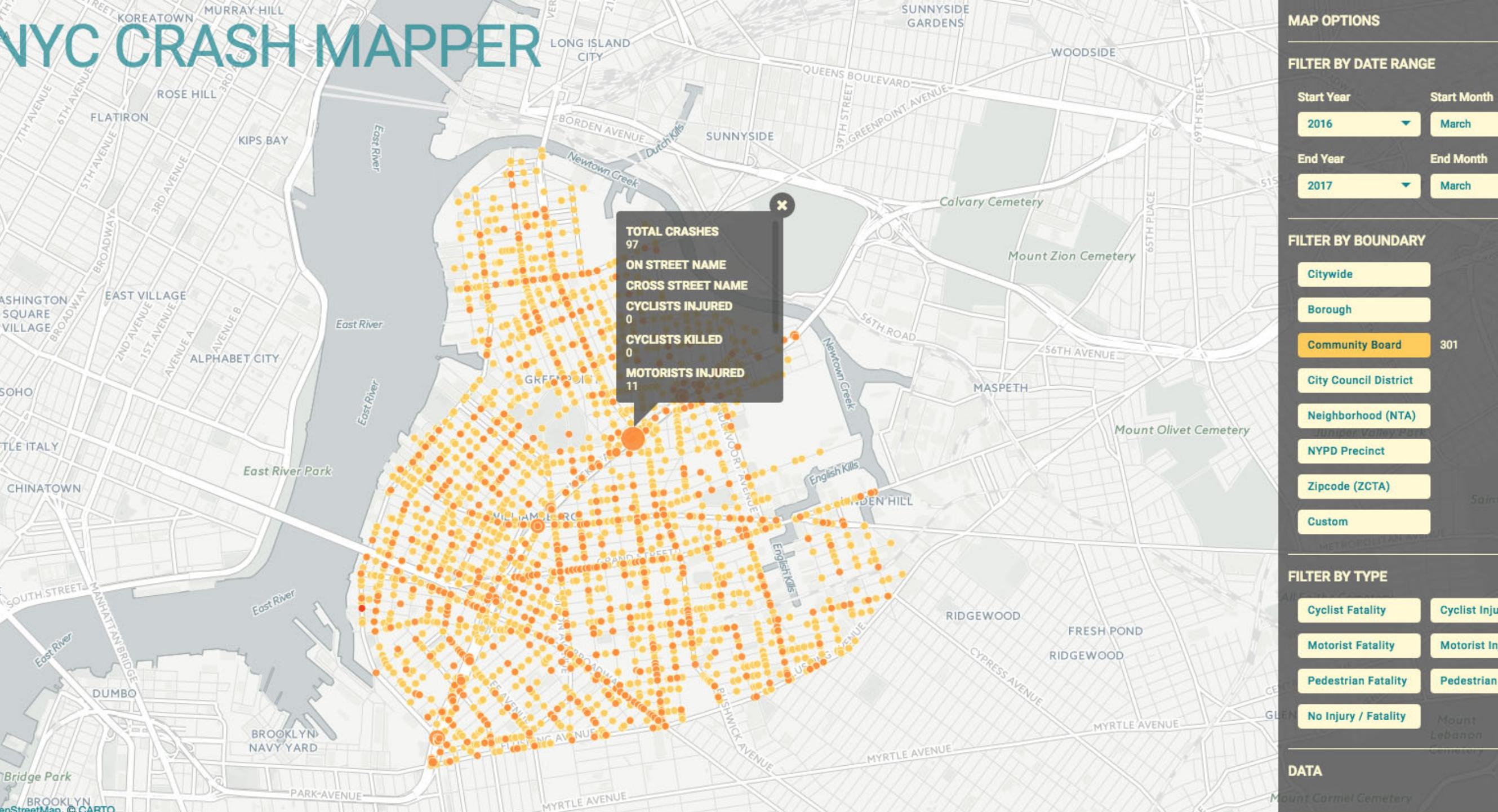
- Citywide
- Borough
- Community Board
- City Council District
- Neighborhood (NTA)
- NYPD Precinct
- Zipcode (ZCTA)
- Custom

FILTER BY TYPE

- | | |
|----------------------|-------------------|
| Cyclist Fatality | Cyclist Injury |
| Motorist Fatality | Motorist Injury |
| Pedestrian Fatality | Pedestrian Injury |
| No Injury / Fatality | |

DATA

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R, 2016 – MAR, 2017

4,800 TOTAL CRASHES

	Ped	Motorist	Total
2	0	2	

	Cyclist	Ped	Motorist	Total
247	208	858	1,313	

CONTRIBUTING FACTORS

5,663	Unspecified
663	"Driver Inattention / Distraction"
405	"Failure to Yield Right-of-Way"

LEGEND

- > 67
- 53
- 32
- <= 11

- Fatality
- Injury
- None

MAP OPTIONS

FILTER BY DATE RANGE

Start Year	Start Month
2016	March
End Year	End Month
2017	March

FILTER BY BOUNDARY

- Citywide
- Borough
- Community Board 301
- City Council District
- Neighborhood (NTA)
- NYPD Precinct
- Zipcode (ZCTA)
- Custom

FILTER BY TYPE

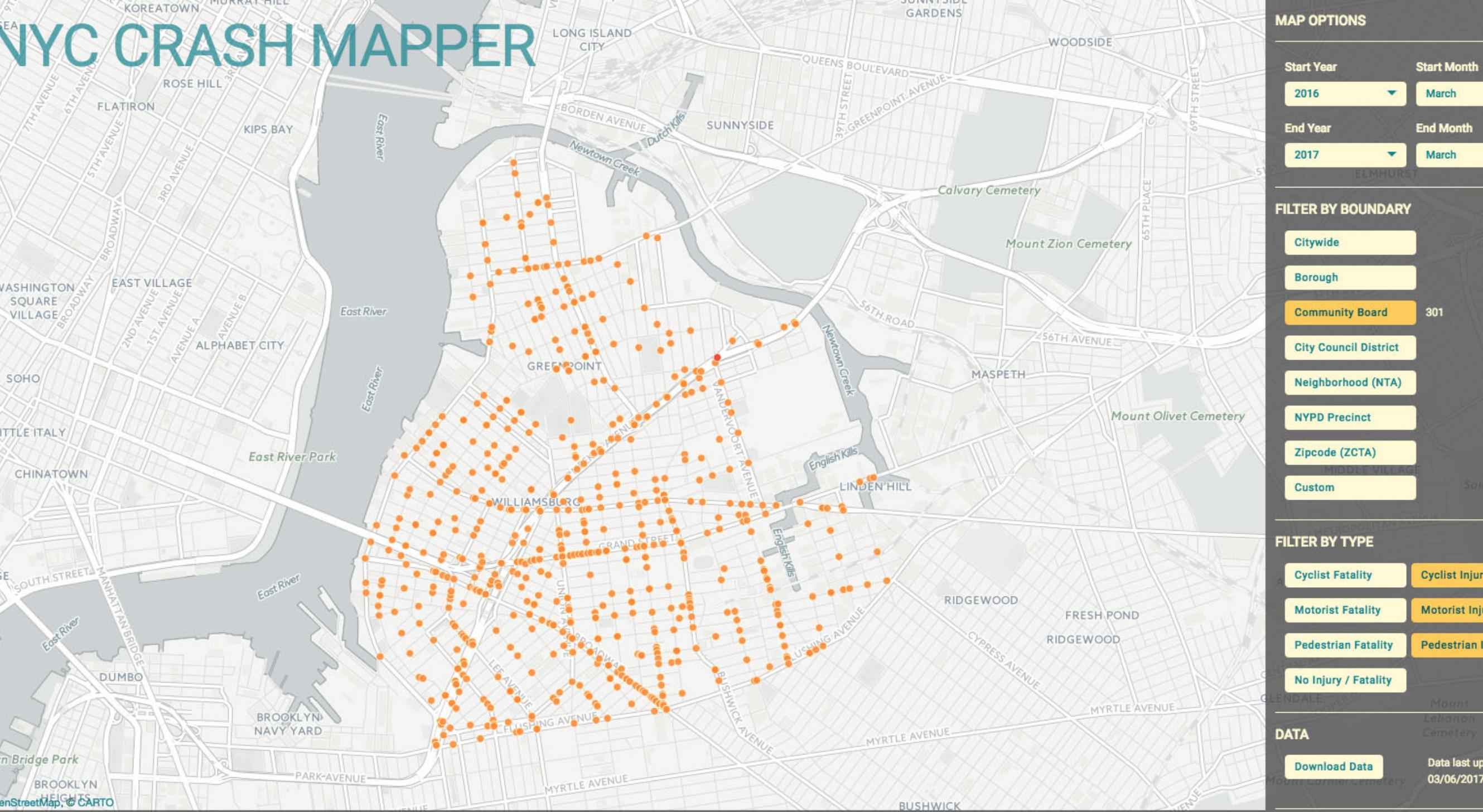
- | | |
|----------------------|-------------------|
| Cyclist Fatality | Cyclist Injury |
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| Pedestrian Fatality | Pedestrian Injury |
| No Injury / Fatality | |

DATA

- Mount Carmel Cemetery
- Mount Lebanon Cemetery
- Mount Judah Cemetery
- Cypress Hills Cemetery

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- URL
- Facebook
- Twitter



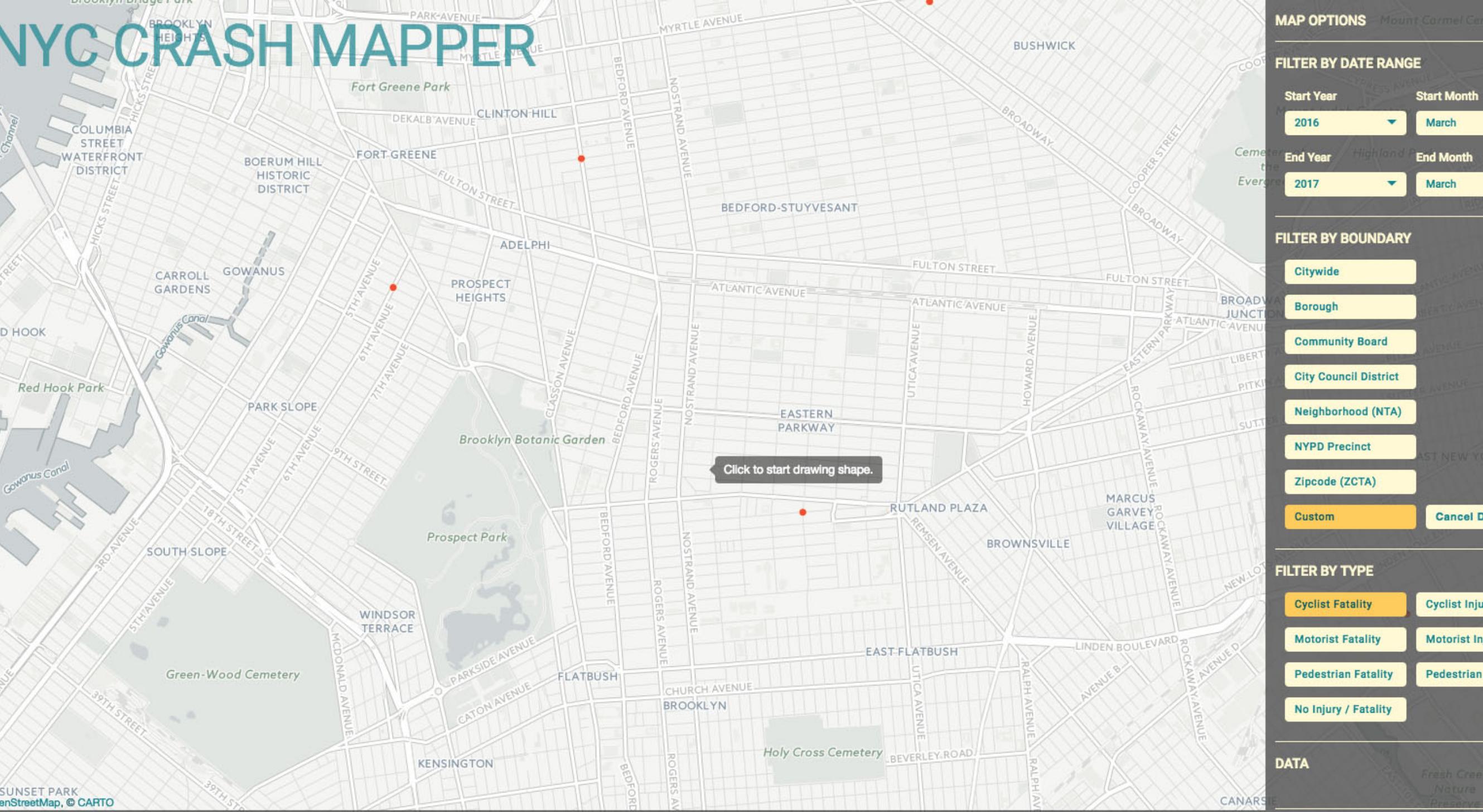
R, 2016 – MAR, 2017		874 TOTAL CRASHES				CONTRIBUTING FACTORS		LEGEND	
S		INJURIES				962	Unspecified	(●) > 67	
1	0	247	208	858	1,313	148	"Driver Inattention / Distraction"	(●) 53	
Ped	Motorist	Total	Cyclist	Ped	Motorist	120	"Failure to Yield Right-of-Way"	(○) 32	
1	0	1	247	208	858			(○) <= 11	

SHARE

URL Facebook Twitter

Salem Fields Cemetery

Disclaimer About



MAP OPTIONS Mount Carmel Cen

FILTER BY DATE RANGE

Start Year Start Month

2016 March

End Year End Month

2017 March

FILTER BY BOUNDARY

- Citywide
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- City Council District
- Neighborhood (NTA)
- NYPD Precinct
- Zipcode (ZCTA)
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FILTER BY TYPE

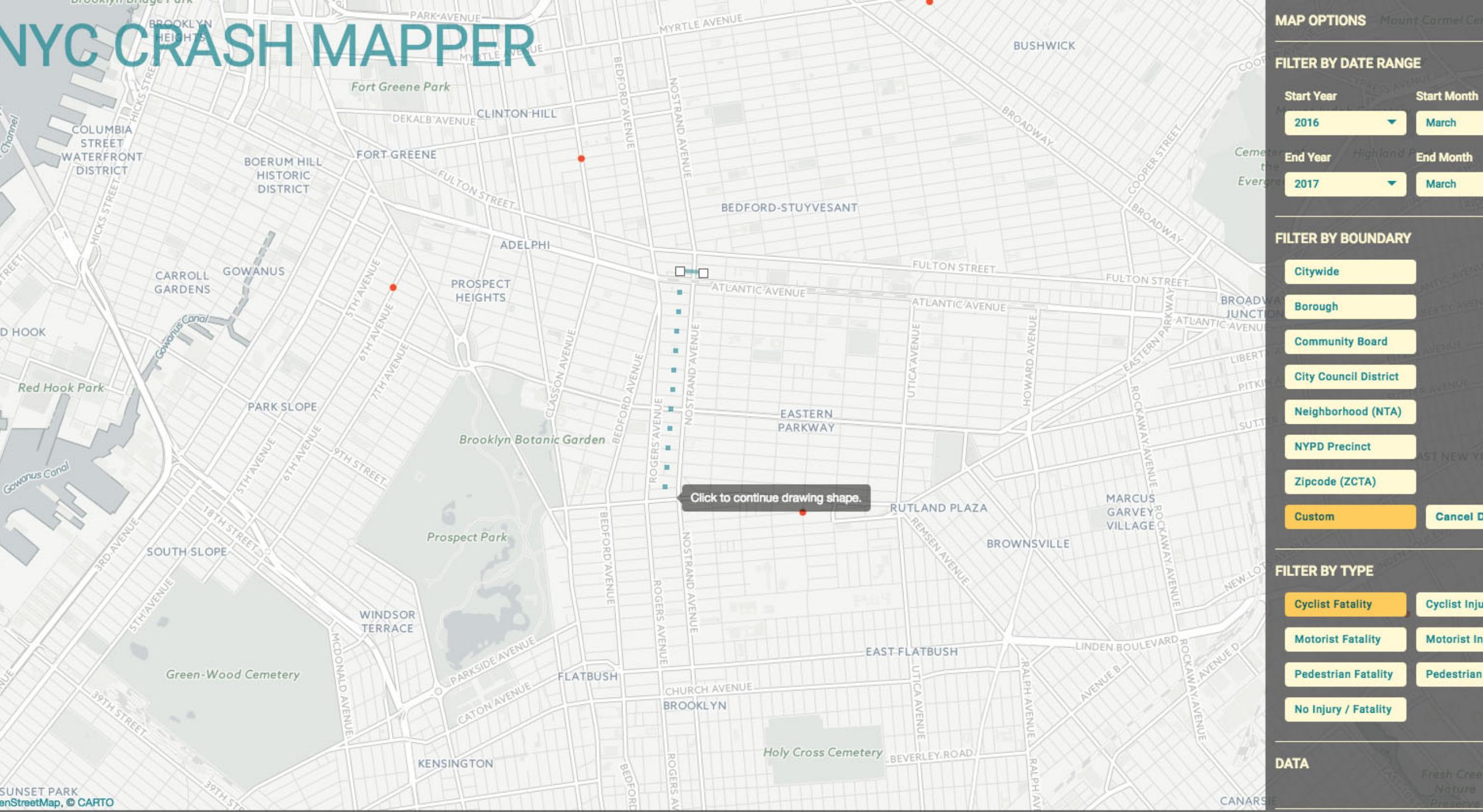
- Cyclist Fatality
- Cyclist Injury
- Motorist Fatality
- Motorist Injury
- Pedestrian Fatality
- Pedestrian Injury
- No Injury / Fatality

DATA

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R, 2016 – MAR, 2017

18 TOTAL CRASHES

	INJURIES			DITM / PARK			Total
	0	1	19	0	0	7	7
	Ped	Motorist	Total	Cyclist	Ped	Motorist	Total
CONTRIBUTING FACTORS							
35	Unspecified						
2	"Driver Inattention / Distraction"						
2	"Pedestrian / Bicyclist / Other Pedestrian"						

LEGEND

- > 67
- 53
- 32
- <= 11

SHARE

URL	Facebook	Twitter
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MAP OPTIONS Mount Carmel Center

FILTER BY DATE RANGE

Start Year Start Month

2016 March

End Year End Month

2017 March

FILTER BY BOUNDARY

- Citywide**
- Borough**
- Community Board**
- City Council District**
- Neighborhood (NTA)**
- NYPD Precinct**
- Zipcode (ZCTA)**
- Custom**

FILTER BY TYPE

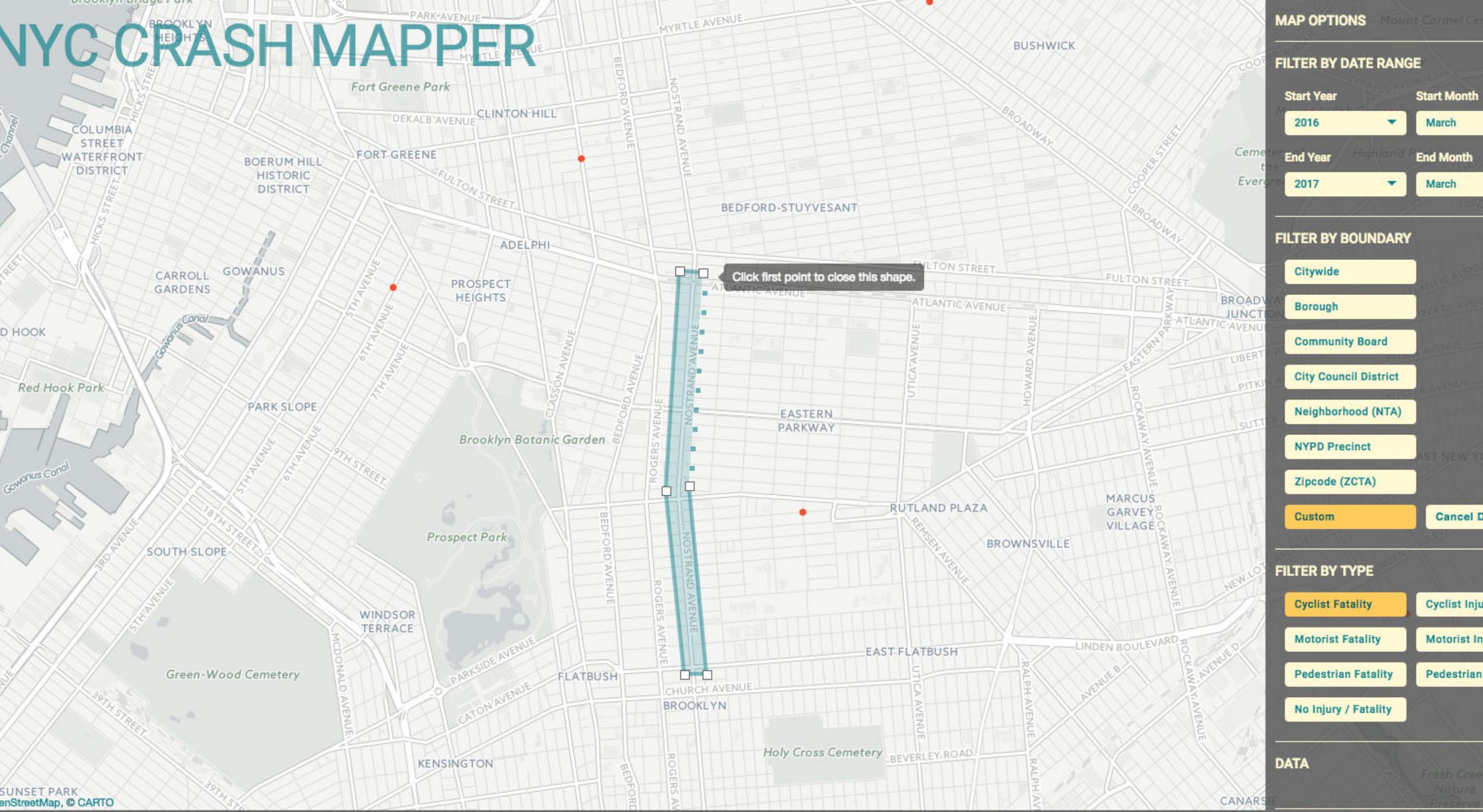
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DATA

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MAP OPTIONS Mount Carmel Cen

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2016 March

End Year End Month

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FILTER BY TYPE

- Cyclist Fatality
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- Pedestrian Injury
- No Injury / Fatality

DATA

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18

NYC CRASH MAPPER

Fort Greene Park

OpenStreetMap, © CARTO

354 TOTAL CRASHES

S				INJURIES		DITMAS PARK		
t	Ped	Motorist	Total	Cyclist	Ped	Motorist	Total	
	0	0	0	17	37	107	161	

CONTRIBUTING FACTORS

462	Unspecified
78	"Driver Inattention / Distraction"
19	"Following Too Closely"

LEGEND

- > 67
 - 53
 - 32
 - <= 11

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FILTER BY DATE RANGE

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End Year	End Month
2017	March

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 - Custom
 - Draw

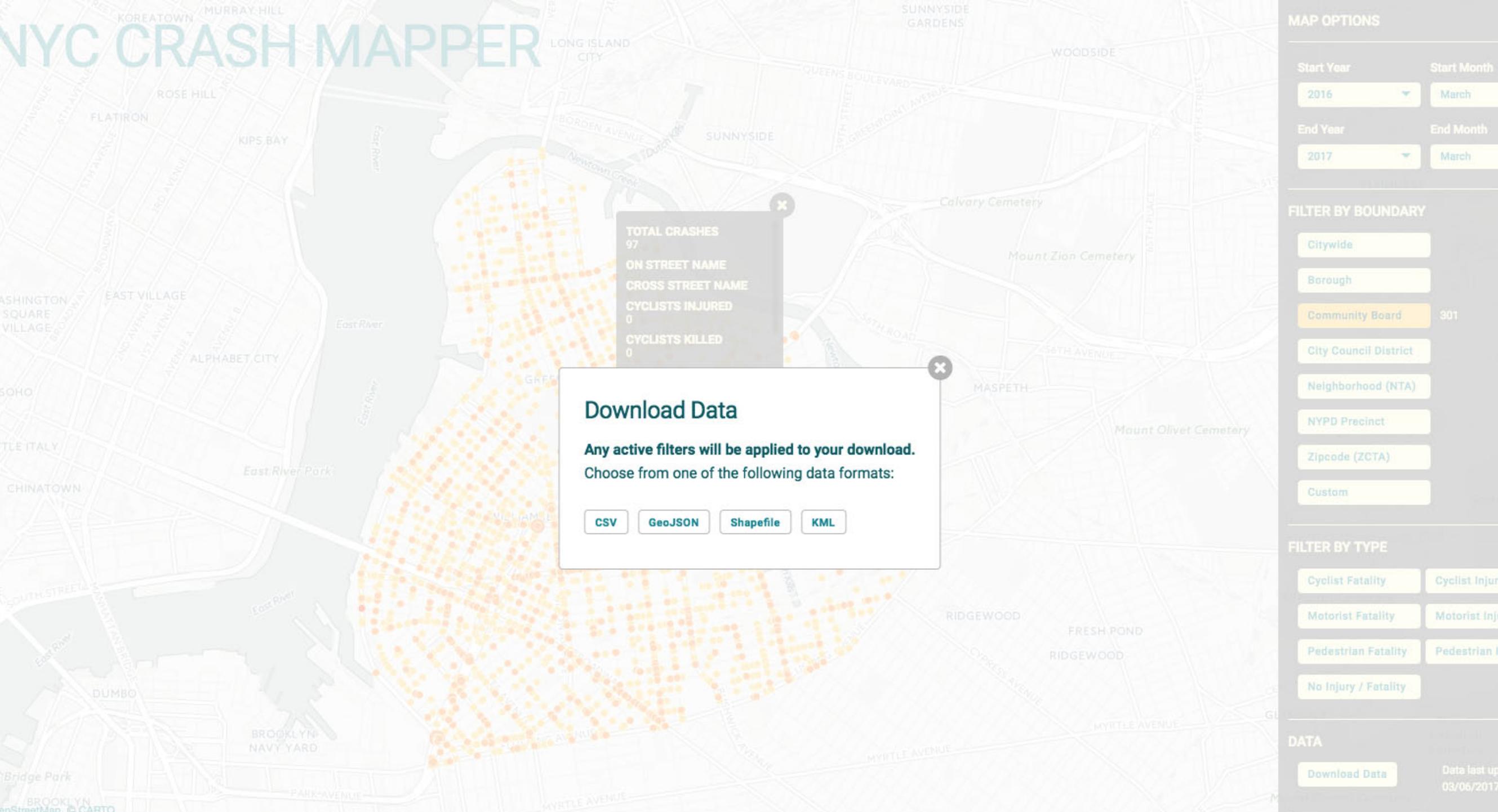
[FILTER BY TYPE](#)

- Cyclist Fatality
 - Cyclist Injury
 - Motorist Fatality
 - Motorist Injury
 - Pedestrian Fatality
 - Pedestrian Injury
 - No Injury / Fatality

DATA

*Fresh Creek
Nature
Preserve*

SHARE



R, 2016 – MAR, 2017			4,800 TOTAL CRASHES				CONTRIBUTING FACTORS		LEGEND		SHARE	
S	INJURIES	Total	Cyclist	Ped	Motorist	Total	5,663	Unspecified	> 67	URL	Facebook	Twitter
2	0	2	247	208	858	1,313	663	"Driver Inattention / Distraction"	53			
Ped	Motorist	Total	Cyclist	Ped	Motorist	Total	405	"Failure to Yield Right-of-Way"	32			
									11			

MAP OPTIONS

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FILTER BY TYPE

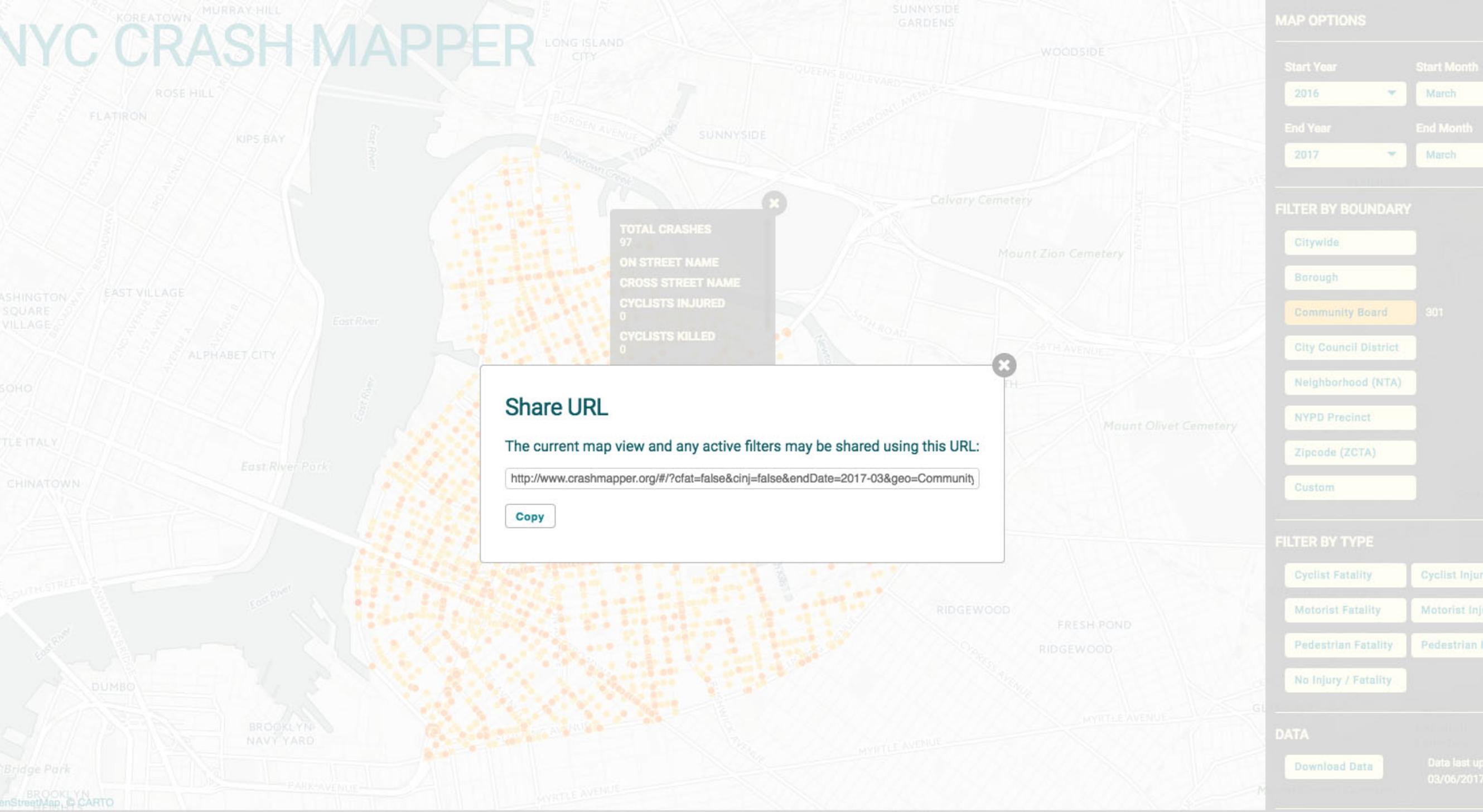
- Cyclist Fatality Cyclist Injury
- Motorist Fatality Motorist Injury
- Pedestrian Fatality Pedestrian Injury
- No Injury / Fatality

DATA

[Download Data](#) Data last updated 03/06/2017

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R, 2016 – MAR, 2017			4,800 TOTAL CRASHES				CONTRIBUTING FACTORS		LEGEND		SHARE	
S			INJURIES									
S	Ped	Motorist	Total	Cyclist	Ped	Motorist	Total	5,663	Unspecified	> 67	URL	Facebook
t	Ped	Motorist	Total	Cyclist	Ped	Motorist	Total	663	"Driver Inattention / Distraction"	53	Twitter	
								405	"Failure to Yield Right-of-Way"	32		
										≤ 11		

MAP OPTIONS

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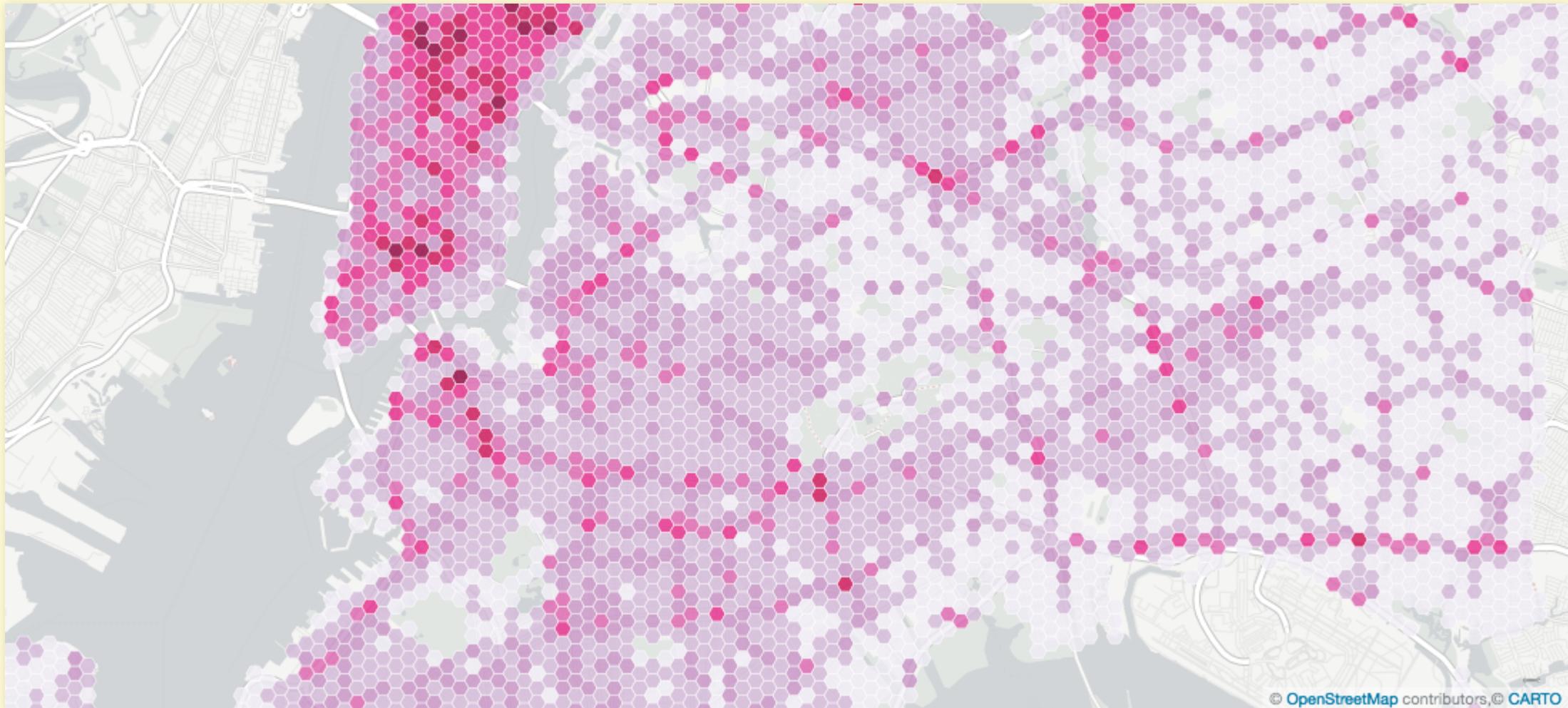
[Download Data](#) Data last updated 03/06/2017

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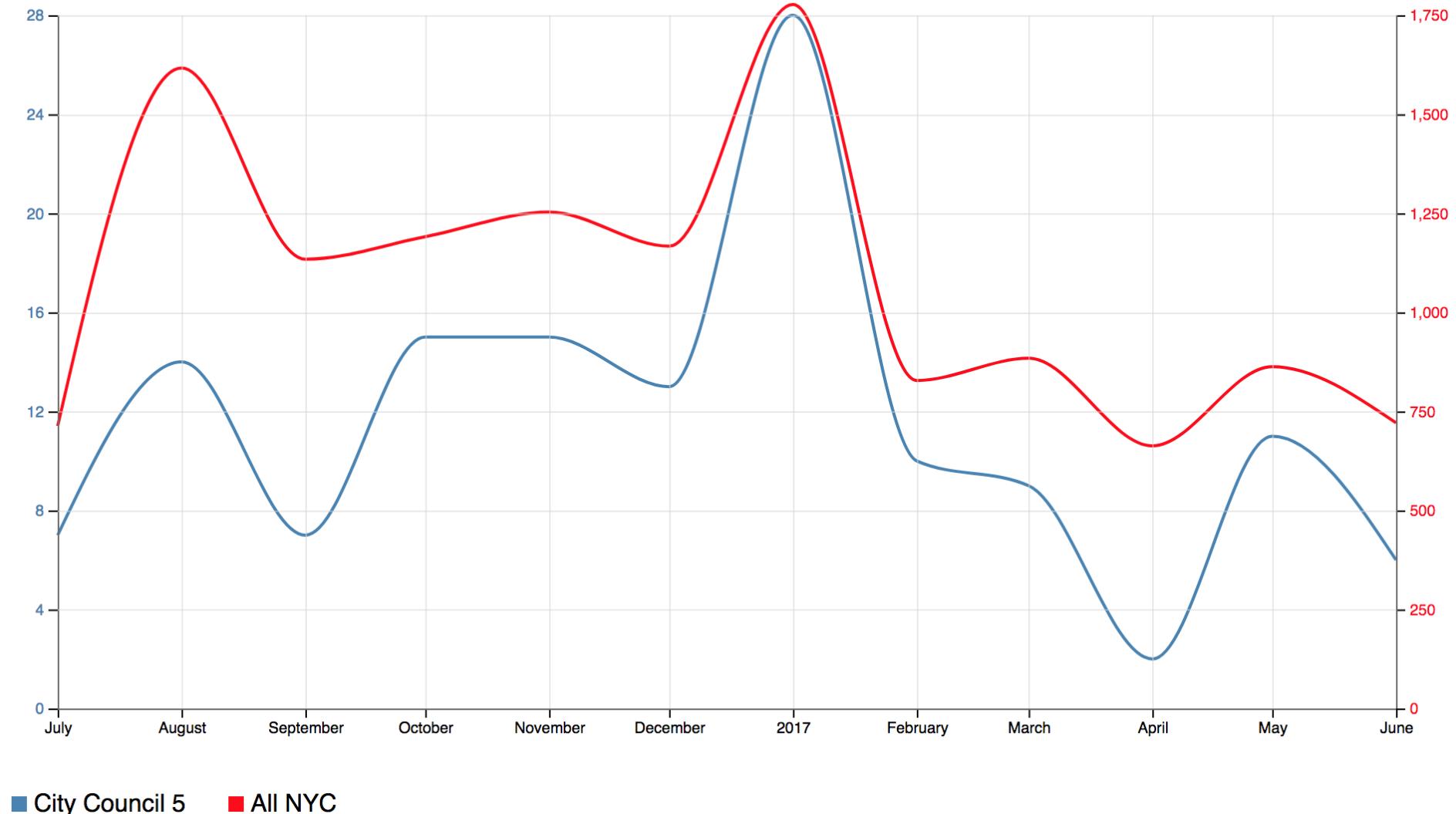
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UPCOMING IMPROVEMENTS & FEATURES

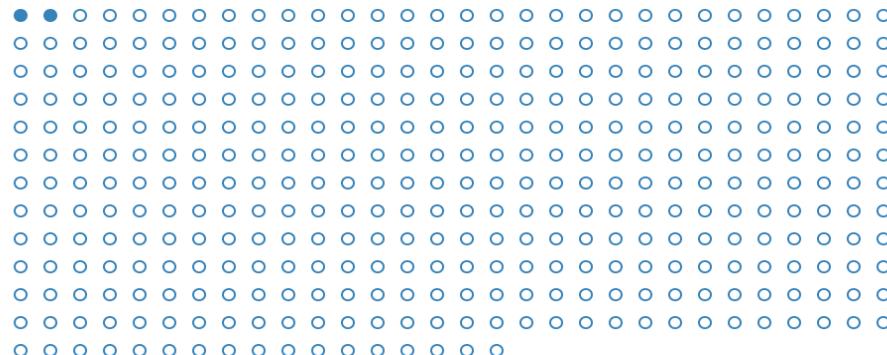


Pedestrian Injuries: City Council 5 vs. Citywide



City Council 4

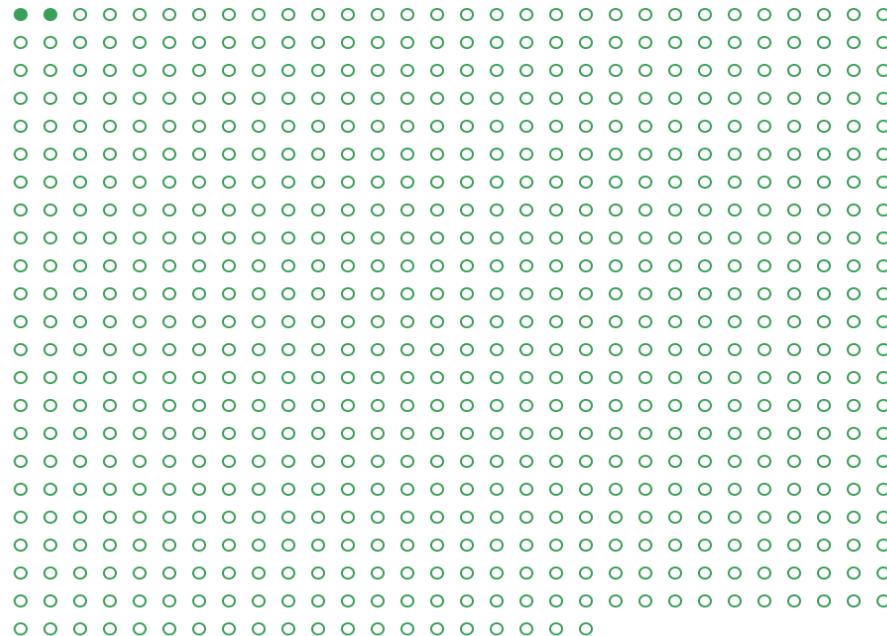
🚶 pedestrian fatalities: 2 —— pedestrian injuries: 375



🚴 cyclist fatalities: 0 —— cyclist injuries: 232



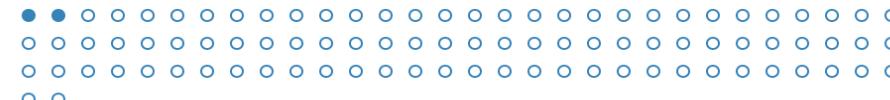
🚗 motorist fatalities: 2 —— motorist injuries: 678



Total: 1289

City Council 51

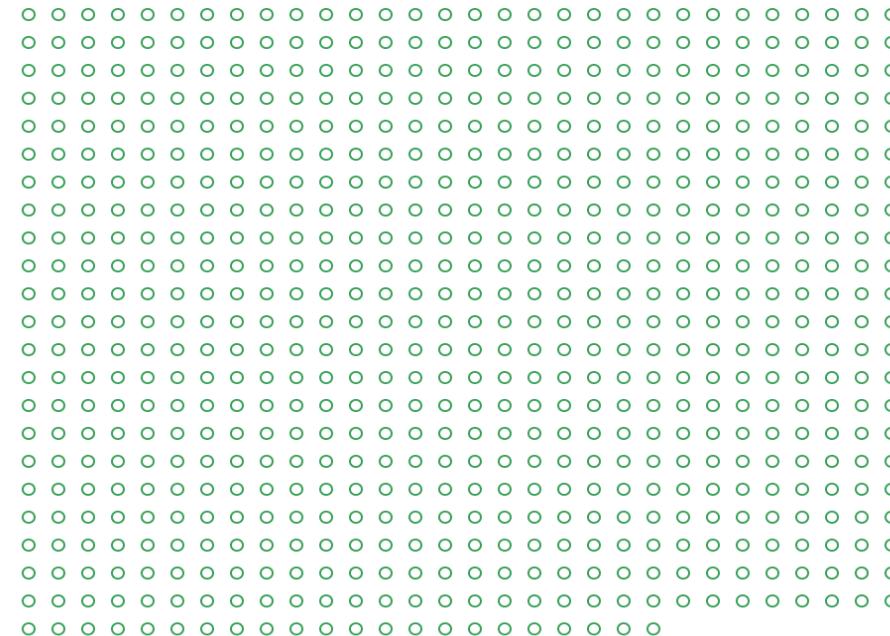
🚶 pedestrian fatalities: 2 —— pedestrian injuries: 90



🚴 cyclist fatalities: 0 —— cyclist injuries: 14



🚗 motorist fatalities: 0 —— motorist injuries: 682



Total: 788

THANK YOU

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