



Exploratory Analysis of Evictions in NYC Boroughs

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Agenda

Introduction

Breakdown of Datasets

Recommendations & Conclusion

Resources

Q&A



Introduction

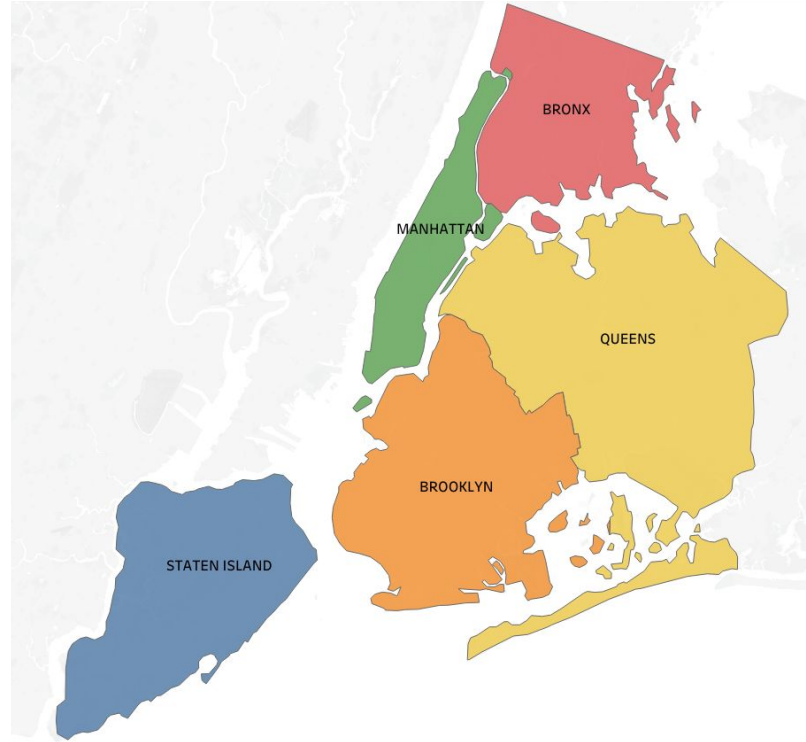


Evictions in New York City Boroughs



Introduction

- Our group focused on evictions in NYC by borough.
- We understand that COVID-19 resulted in a pandemic of social distancing and quarantining that affected the economy and we wanted to see it at a lower-level.

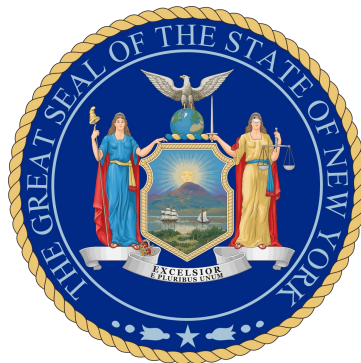


Data Source: Evictions in NYC Created in: Tableau Desktop



Our Client:

- Governor Kathy Hochul



The Purpose of our Exploratory Analysis:

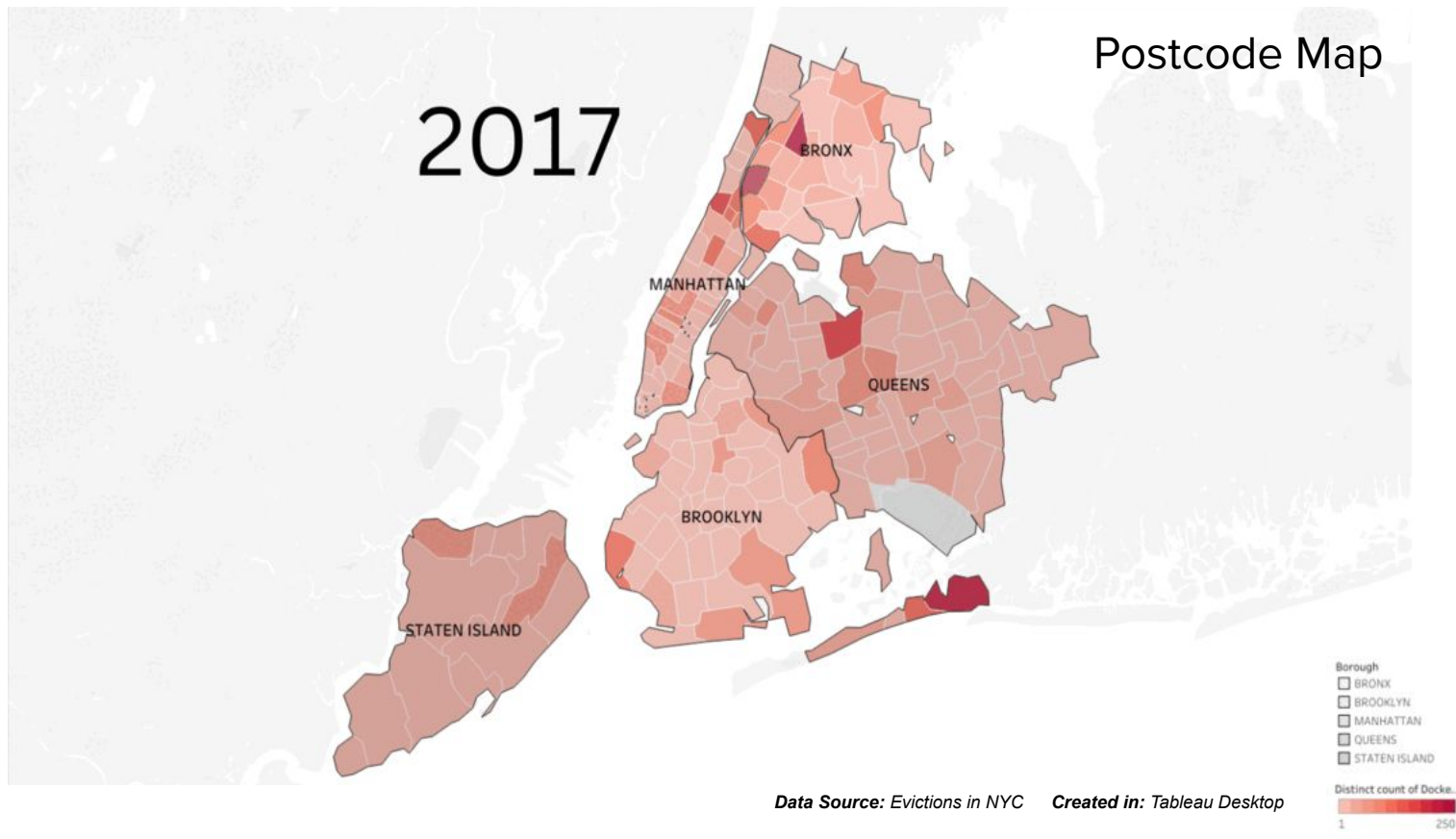
- Identify what boroughs had the most evictions in New York City
- Identify whether education, demographics, and poverty correlate with eviction rates.
- Generate recommendations on how to effectively allocate funds for housing and potentially other assistance programs in NYC.



Breakdown of Datasets



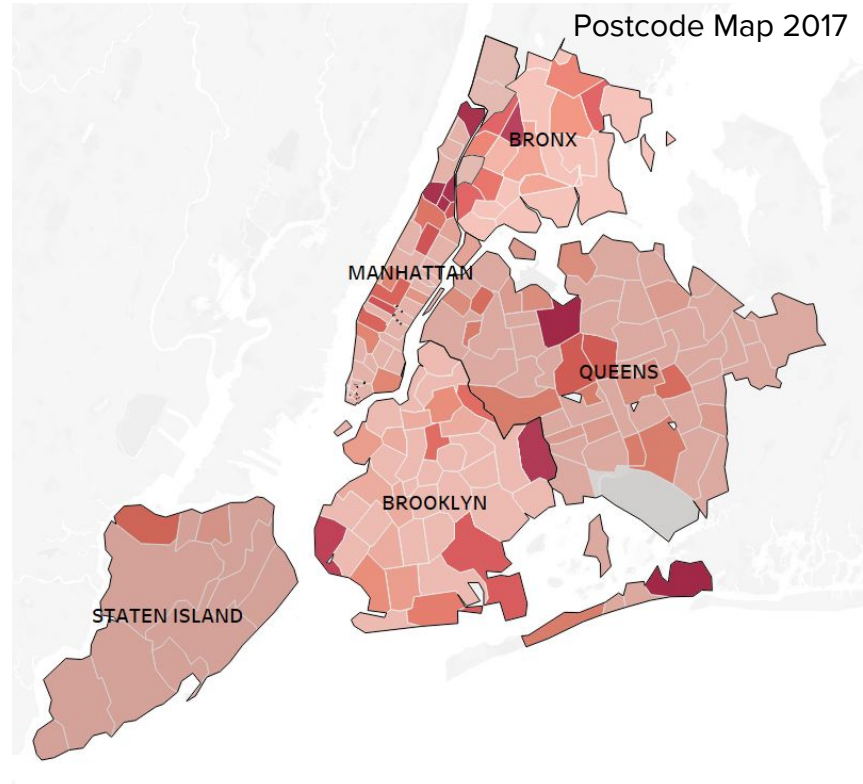
What We Noticed At First Glance



Tenant Protections

We noticed eviction rates went down over the years

The Tenant Safe Harbor Act, Chapter 127 of 2020, protects tenants from eviction for failing to pay their rent that came due during the covered period from March 7, 2020 through January 15, 2022, if they suffered a financial hardship due to COVID-19



Top 5 Highest Eviction Counts by Borough

Borough	Eviction Postcode	NTA (Neighborhood)	
BRONX	10453	University Heights-Morris Heights	1,005
	10456	East Concourse-Concourse Village	856
	10458	Bedford Park-Fordham North	950
	10466	Williamsbridge-Olinville	614
	10467	Norwood	672
BROOKLYN	11208	East New York	863
	11212	Brownsville	796
	11213	Crown Heights North	702
	11233	Ocean Hill	594
	11236	Canarsie	580
MANHATTAN	10029	East Harlem South	409
	10031	Hamilton Heights	388
	10032	Washington Heights South	462
	10034	Marble Hill-Inwood	418
	10039	Central Harlem North-Polo Grounds	373
QUEENS	11368	Corona	475
	11372	Jackson Heights	321
	11433	South Jamaica	361
	11691	Far Rockaway-Bayswater	618
	11692	Hammels-Arverne-Edgemere	339
STATEN ISLAND	10301	West New Brighton-New Brighton-St. George	255
	10303	Mariner's Harbor-Arlington-Port Ivory-Graniteville	198
	10304	Grymes Hill-Clifton-Fox Hills	206
		Stapleton-Rosebank	171
	10310	West New Brighton-New Brighton-St. George	99

Data Source: Evictions in NYC Created in: Tableau Desktop



Unemployment Rates by District

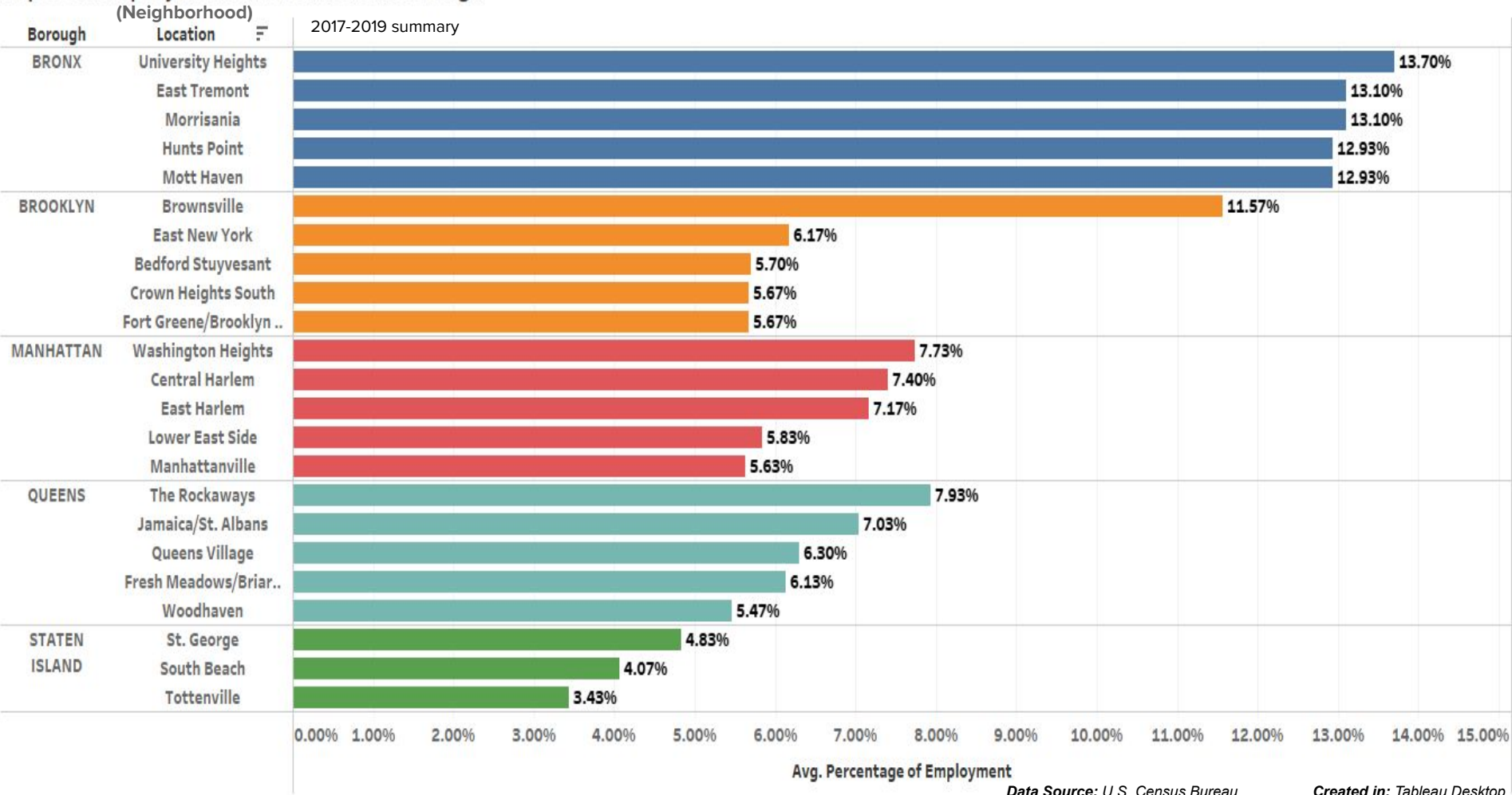


Data Source: U.S. Census Bureau

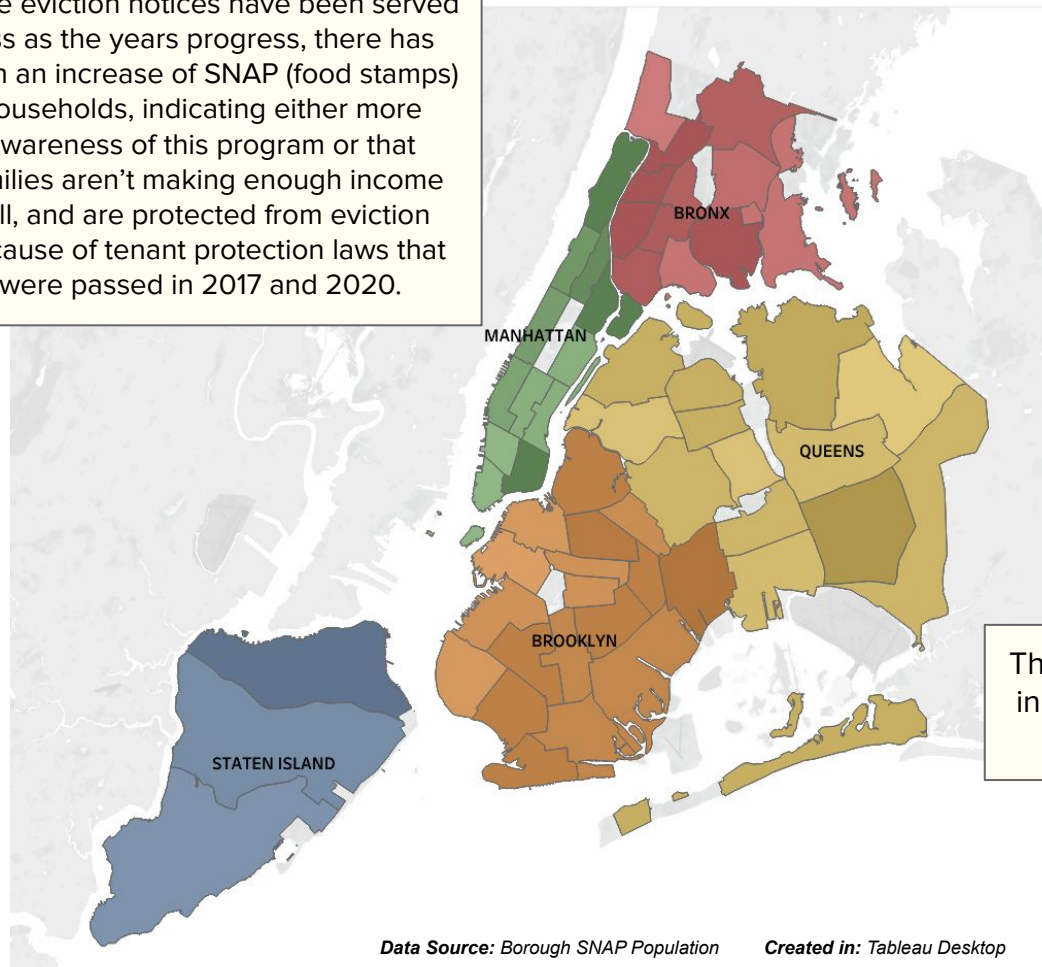
Created in: Tableau Desktop



Top 5 Unemployment areas in each Borough



While eviction notices have been served less as the years progress, there has been an increase of SNAP (food stamps) households, indicating either more awareness of this program or that families aren't making enough income still, and are protected from eviction because of tenant protection laws that were passed in 2017 and 2020.



SNAP

Supplemental Nutrition
Assistance Program

by Borough 2020

The March 2020 tenant protection law ended in January 2022, and we have started to see eviction counts increase again.



SNAP

A Closer Look

Top 5 SNAP Households

Borough	Location	
BRONX	Concourse/Highbridge	304,242
	University Heights	292,316
	Unionport/Soundview	285,571
	Bedford Park	256,263
	Mott Haven	236,948
BROOKLYN	East New York	356,533
	Bedford Stuyvesant	235,710
	Coney Island	208,548
	Bensonhurst	207,095
	Brownsville	206,785
MANHATTAN	Washington Heights	306,290
	East Harlem	259,815
	Lower East Side	247,508
	Central Harlem	200,859
	Manhattanville	142,346
QUEENS	Jamaica/St. Albans	262,189
	Flushing	171,202
	The Rockaways	155,729
	Elmhurst/Corona	144,997
	Jackson Heights	135,605
STATEN ISLAND	St. George	194,043
	South Beach	84,511
	Tottenville	64,201



**Does education, poverty, and
demographics correlate with
eviction rates?**



Poverty In NYC Boroughs

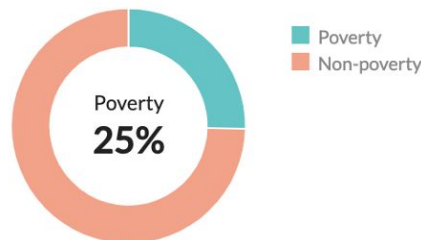
Bronx

Poverty

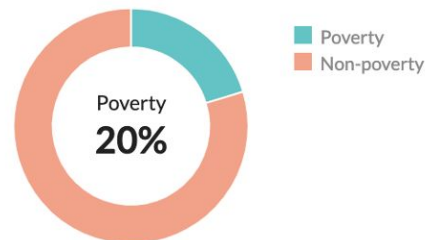
19.2%

Persons below poverty line

Children (Under 18)



Seniors (65 and over)



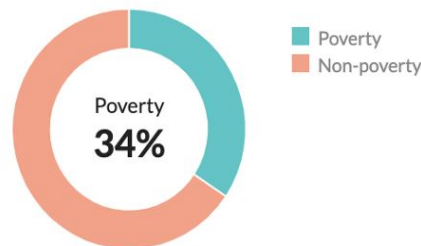
Brooklyn

Poverty

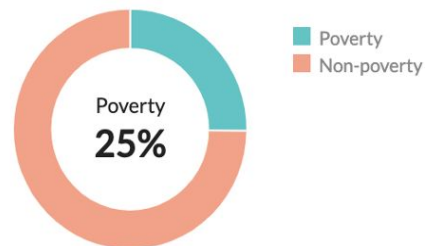
26.4%

Persons below poverty line

Children (Under 18)



Seniors (65 and over)



Poverty In NYC Boroughs

Manhattan

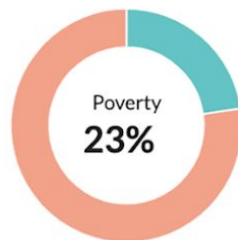
Continued

Poverty

17.3%

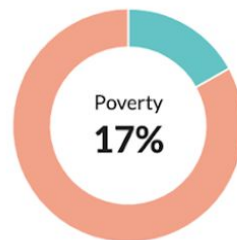
Persons below poverty line

Children (Under 18)



Poverty
Non-poverty

Seniors (65 and over)



Poverty
Non-poverty

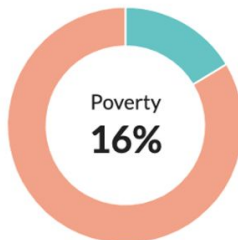
Queens

Poverty

13.5%

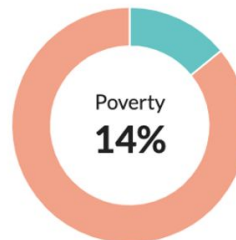
Persons below poverty line

Children (Under 18)



Poverty
Non-poverty

Seniors (65 and over)



Poverty
Non-poverty



Poverty In NYC Boroughs

Staten Island

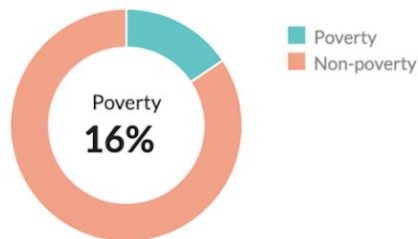
Poverty

11.6%

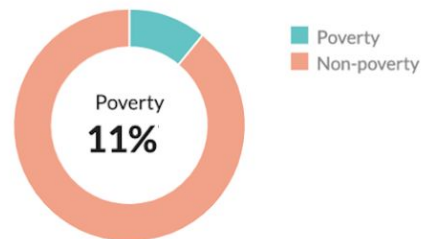
Persons below poverty line

Continued

Children (Under 18)



Seniors (65 and over)



Education Levels in the Boroughs

Queens

Educational attainment

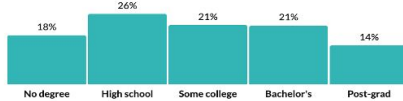
82.2%

High school grad or higher

35.3%

Bachelor's degree or higher

Population by highest level of education



* Universe: Population 25 years and over

Manhattan

Educational attainment

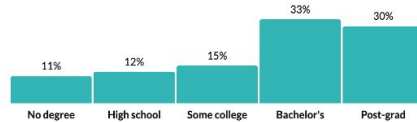
89.4%

High school grad or higher

62.6%

Bachelor's degree or higher

Population by highest level of education



* Universe: Population 25 years and over

Bronx

Educational attainment

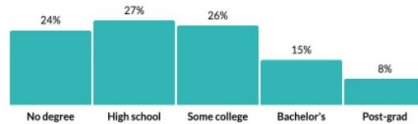
75.9%

High school grad or higher

23%

Bachelor's degree or higher

Population by highest level of education



* Universe: Population 25 years and over

Staten Island

Educational attainment

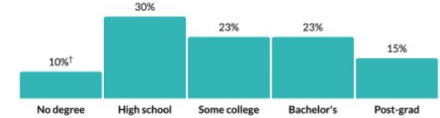
90.1%

High school grad or higher

37.4%

Bachelor's degree or higher

Population by highest level of education



* Universe: Population 25 years and over

Brooklyn

Educational attainment

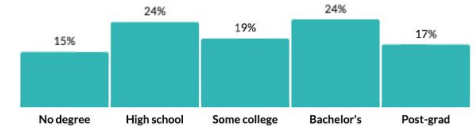
84.6%

High school grad or higher

41.8%

Bachelor's degree or higher

Population by highest level of education



* Universe: Population 25 years and over



Insights to Consider



Affordability

Most and Least Affordable NYC Boroughs

Most to Least Affordable for Homeowners

% INCOME ON
HOUSING COSTS

1	Manhattan	15.24%
2	Bronx	22.43%
3	Queens	22.91%
4	Staten Island	24.28%
5	Brooklyn	24.99%

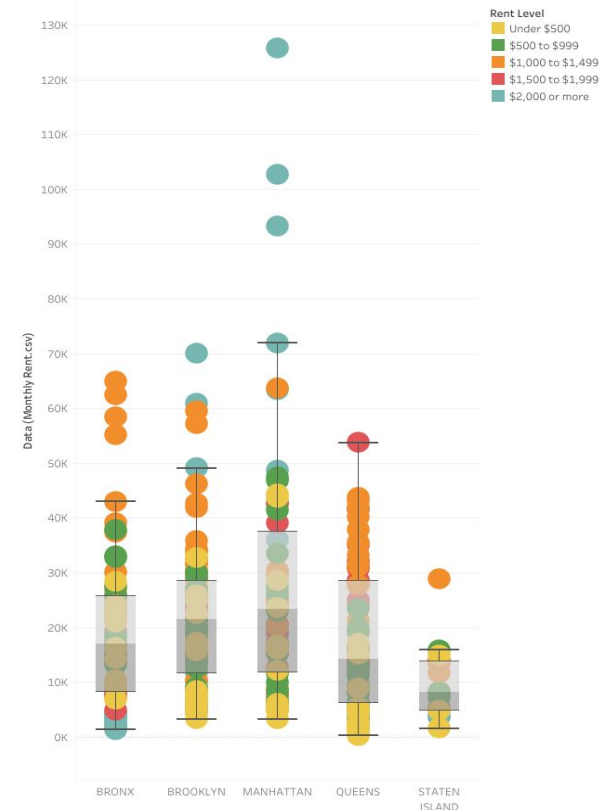
Most to Least Affordable for Renters

% INCOME ON
HOUSING COSTS

1	Manhattan	30.20%
2	Queens	35.68%
3	Brooklyn	38.10%
4	Staten Island	39.37%
5	Bronx	44.86%

Data Source: U.S. Census Bureau

Historical Count of Rent by Borough Summarized



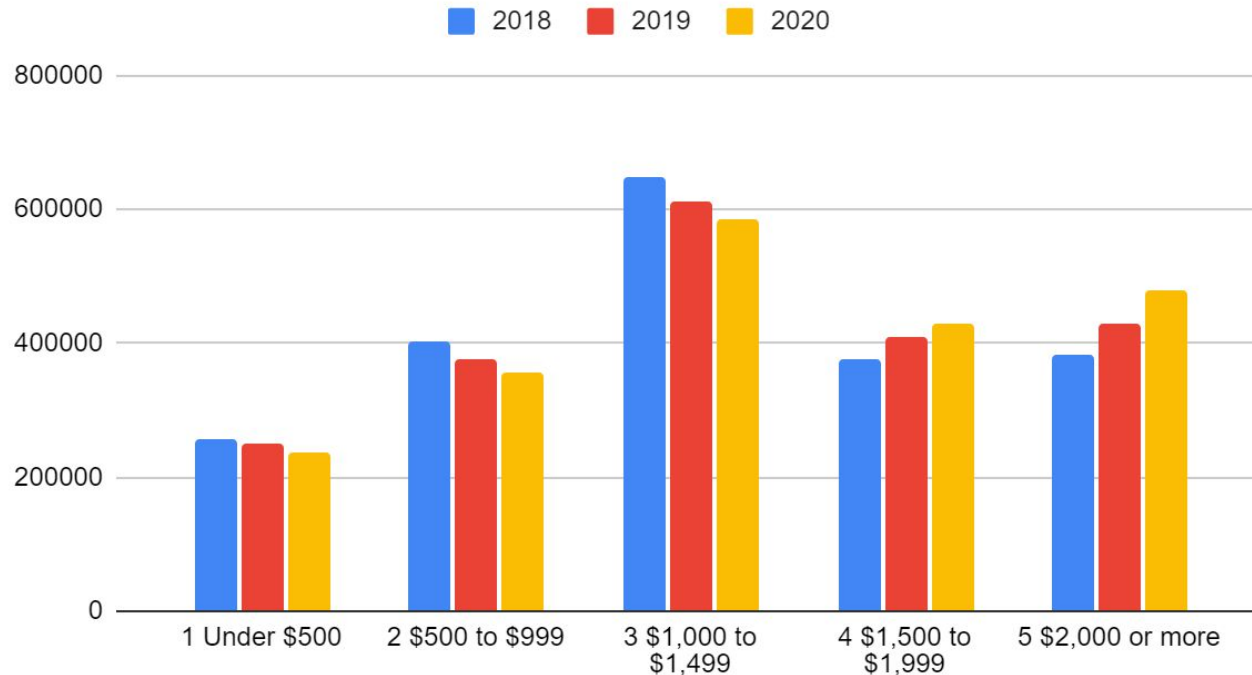
Data Source: Monthly Rent in NYC

Created in: Tableau Desktop



Housing Availability Over the Years

Amount of Houses in each Rent Level from 2018 - 2020



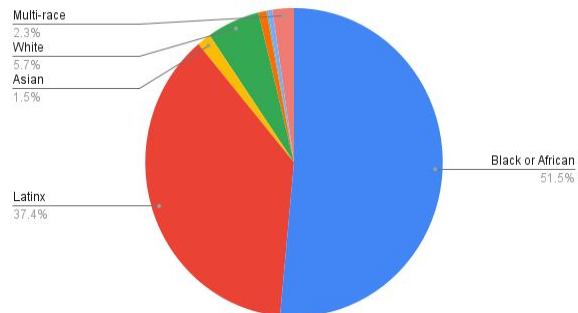
Data Source: Monthly Rent in NYC

Created in: Tableau Desktop

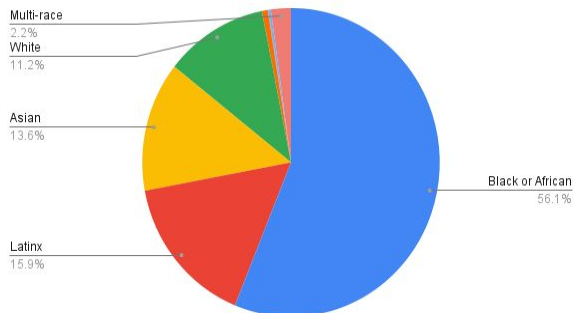


Demographics by Borough

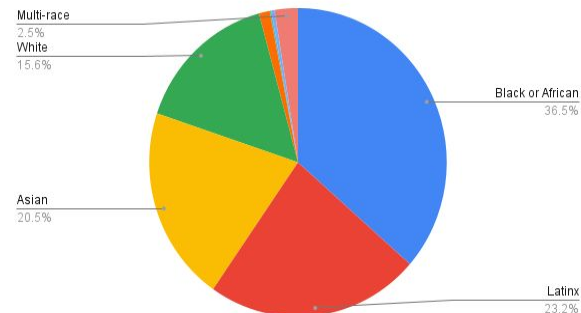
BRONX



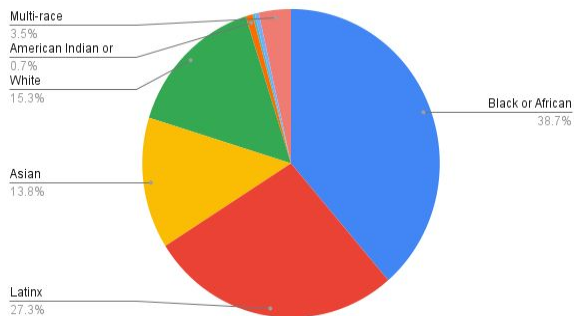
BROOKLYN



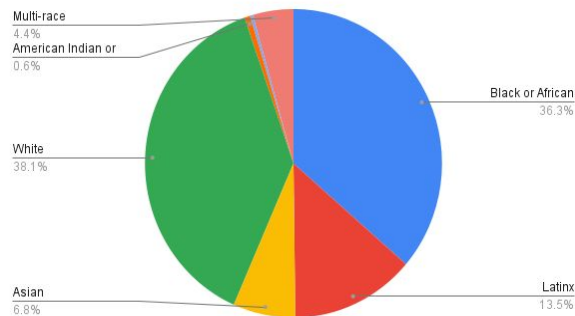
QUEENS



MANHATTAN



STATEN ISLAND



Recommendations & Conclusion



Recommendations

- Bronx and Brooklyn
 - Prioritize funding for high school education programs and senior programs due to high poverty rates.
- Outliers in Manhattan Neighborhoods
 - Prioritize funding for employment based organizations (Work Placement Programs) due to the high unemployment rate and SNAP usage compared to the rest of Manhattan.



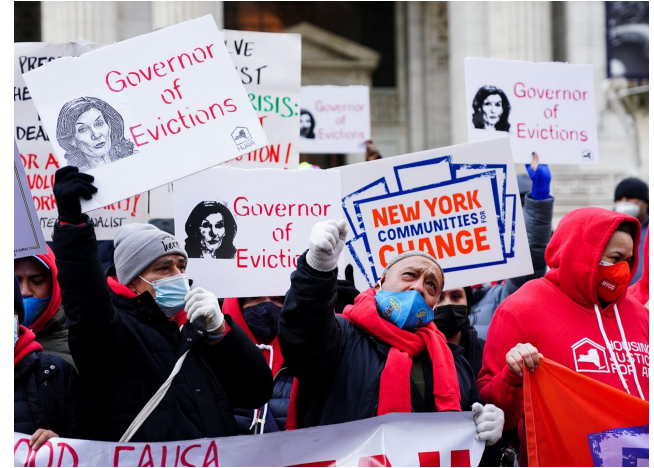
Learn & Earn Youth Program
Source: nyc.gov



Conclusion

- High to Low Eviction Rates: Bronx, Brooklyn, Queens, *Manhattan**, Staten Island
- Higher eviction rates were also in areas that had lower education levels, higher SNAP usage, and higher unemployment rates.

* **Note:** Manhattan had three districts in their borough that had similar high unemployment rates compared to the Bronx.



Protesters in Manhattan
Source: [cnn.com](https://www.cnn.com/2020/11/18/nyc-protesters-eviction/index.html)



Resources

- [Evictions in NYC](#)
 - “Evictions.” NYC Open Data, <https://data.cityofnewyork.us/City-Government/Evictions/6z8x-wfk4/data>.
- [Demographics in NYC](#)
 - Department of Youth and Community Development (DYCD). “Demographics by Borough: NYC Open Data.” *Demographics by Borough | NYC Open Data*, 4 Feb. 2021, <https://data.cityofnewyork.us/Social-Services/Demographics-by-Borough/6khm-nrue>.
- [Borough Snap Population Report](#)
 - Department of Youth and Community Development (DYCD). “Demographics by Borough: NYC Open Data.” *Demographics by Borough | NYC Open Data*, 4 Feb. 2021, <https://data.cityofnewyork.us/Social-Services/Demographics-by-Borough/6khm-nrue>.
- [Monthly Rent in NYC](#)
 - Department of Youth and Community Development (DYCD). “Demographics by Borough: NYC Open Data.” *Demographics by Borough | NYC Open Data*, 4 Feb. 2021, <https://data.cityofnewyork.us/Social-Services/Demographics-by-Borough/6khm-nrue>.
- [U.S. Census Bureau](#)
 - Department of Youth and Community Development (DYCD). “Demographics by Borough: NYC Open Data.” *Demographics by Borough | NYC Open Data*, 4 Feb. 2021, <https://data.cityofnewyork.us/Social-Services/Demographics-by-Borough/6khm-nrue>.





File Edit View Insert Format Data Tools Extensions Help



- Provided by the City of New York City
- Licensed by
- Types of Data:
 - String Data
 - Tableau Charting
 - Date-Time Objects
 - Geo-spatial Information



Thank You!

Questions?



Being unprepared	If you want your presentation to be successful, be sure to do your homework. Planning and research can make the difference between a good presentation and a bad one
Poor delivery	Not everyone is a natural speaker, but nearly everyone can improve their presentation skills by overcoming bad speaking habits & projecting with confidence
Bad presentation design	You don't want your audience so focused on poor visuals that they don't hear what you have to say. The style of your presentation and how well it's designed is important.
Not relating to your audience	A huge mistake that many speakers make is not properly targeting their presentation to their audience. Find out as much as you can about them beforehand
Poor content preparation	Presentations fall short when the subject matter is not right for a presentation. The topic may be too broad to cover in the time that is allowed, or your audience may not have the background needed to understand the topic. Or you may not have done enough research to thoroughly understand your topic.
Unrealistic expectations	You should have a goal. What do you expect to achieve with your presentation? If you don't know, your presentation is already in trouble. Another unrealistic expectation is thinking that your listeners will remember all, or nearly all, of the information you present.



✓	Feature	Requirements: ✓ all in a cell to ✓ a "Feature"	Notes (optional)
	Content	<ul style="list-style-type: none"> • Project Presentations describe observations from the data, insights, and recommendations • Project takes client's/project goals into consideration • Shows creativity and relevance for own work and approach to solving a functional problem 	
	Branding & Professionalism	<ul style="list-style-type: none"> • Presentation is neat, professional, and uses the Coop branded ppt theme; sources are cited and images taken from other channels are labelled as such • Virtual considerations: Cameras are on (if possible), speaker engages audience, and presentation flows 	
	Storytelling	<ul style="list-style-type: none"> • Explains general context & specific data • Describes specific actions & reasoning • Identifies results/outcomes & lessons learned • Presentation flow is fluid and there is shared responsibility amongst the team to present 	
	Team Collaboration	<ul style="list-style-type: none"> • Completed Project shows equal work from each member • Relevant visuals/graphs/charts • Vibrant presentation (use of color, fonts, and graphics) • Individual/team members flow in and out as slides transition 	



	Visualizations	<ul style="list-style-type: none"> • Visualizations are aesthetically formatted and original, key, titles, and labels are easy to read, • Observations are clear to the audience and relevant to the presentation • 2nd and 3rd party visualizations are kept at a minimum or, ideally, not used at all in the presentation. 	
	Project/Client Alignment & Recommendations	<ul style="list-style-type: none"> • Insights/recommendations are as original as possible and rely on secondary analysis only sparingly, if at all. • Convincingly answers questions from the audience • Ready with thoughtful answers and resourceful in following up unanswered questions, or providing extra resources • Client alignment: Recommendations are aligned with client's goals; group shows clear knowledge of client's goals and limitations. 	
	Accuracy & Analysis	<ul style="list-style-type: none"> • Insights/recommendations are derived from relevant data sources collected • Data is accurate, free of errors and miscalculations, and sources are all referenced • Analysis demonstrates critical thinking, considers multiple perspectives, and strategically answers the functional problem 	
	Industry Mastery	<ul style="list-style-type: none"> • Data competency: Comfortable talking about terms, tools, & formulas used in data industry and relates to larger business goals • Resourceful in collecting, cleaning and structuring data files • Graphs, Charts, Pivot Tables, etc are legible and derived from relevant and accurate sources of data 	