Exploratory Analysis of Evictions in NYC Boroughs

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Agenda

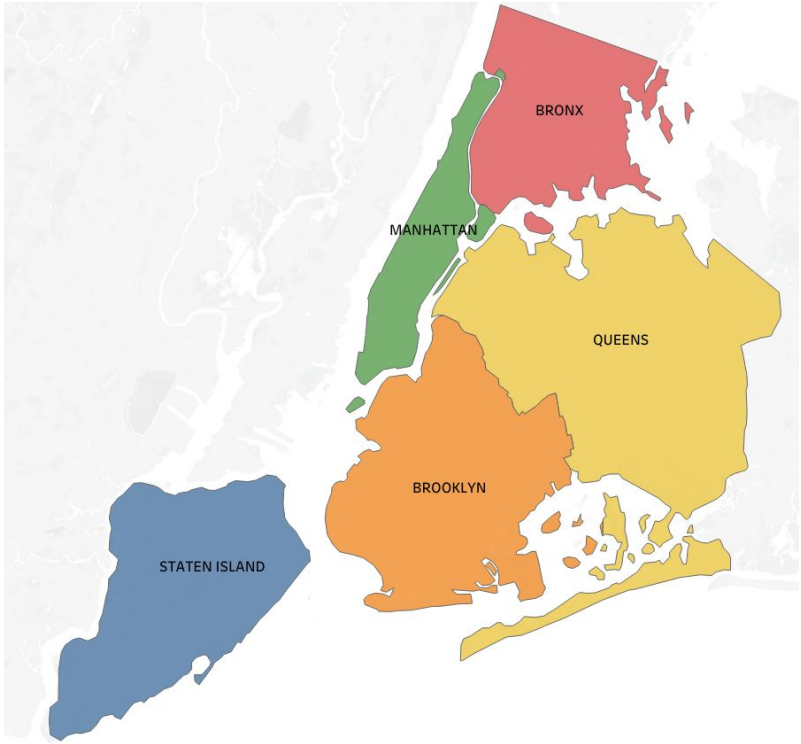
- Introduction
- Breakdown of Datasets
- Recommendations & Conclusion
- Resources
- Q&A

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:

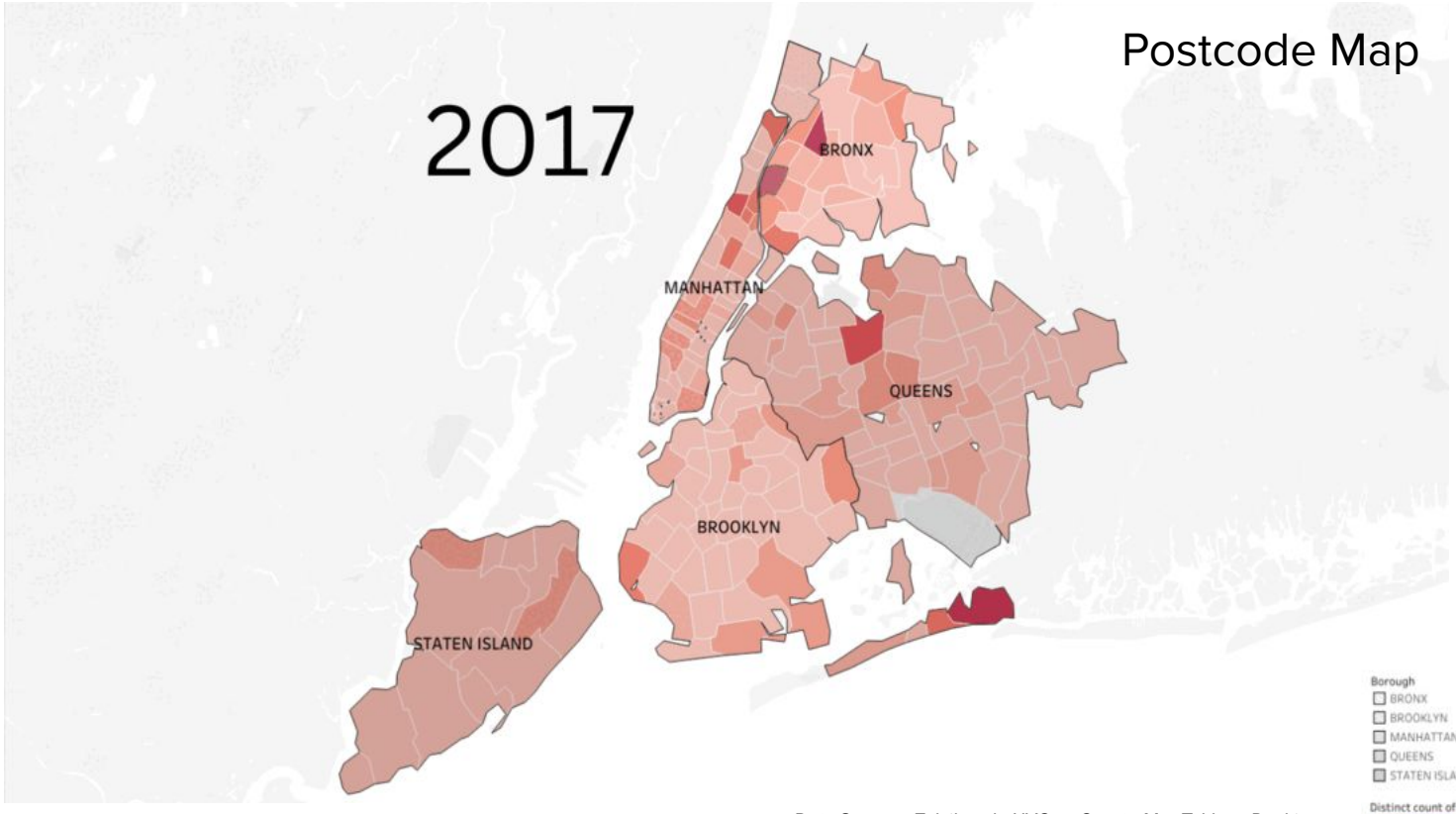
- Governor Kathy Hochul

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

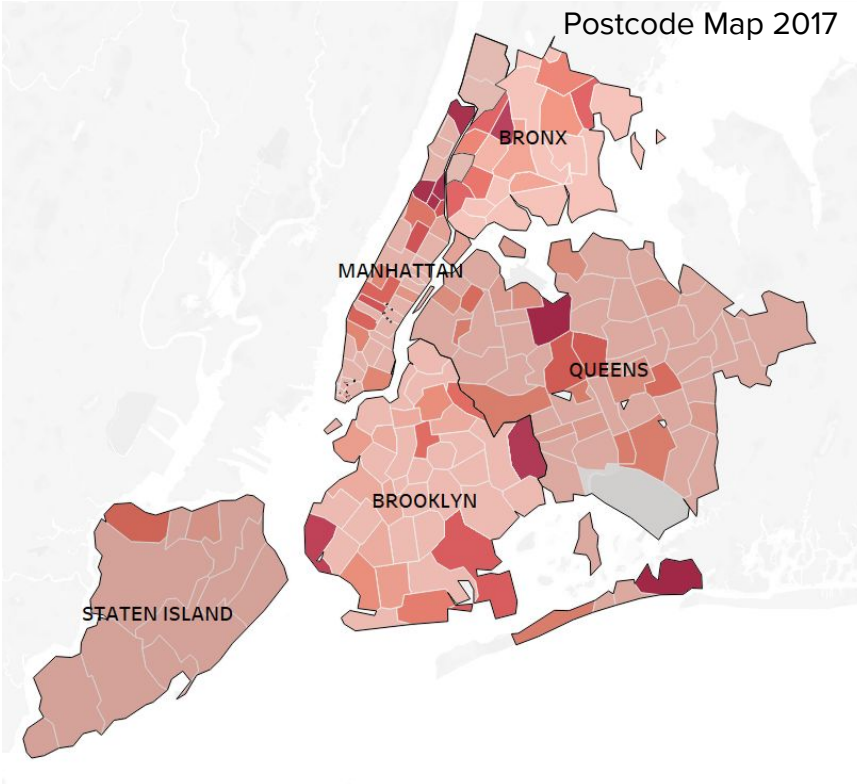


Data Source: *Evictions in NYC* ***Created in:*** *Tableau Desktop*

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



Data Source: *Evictions in NYC* ***Created in:*** *Tableau Desktop*

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

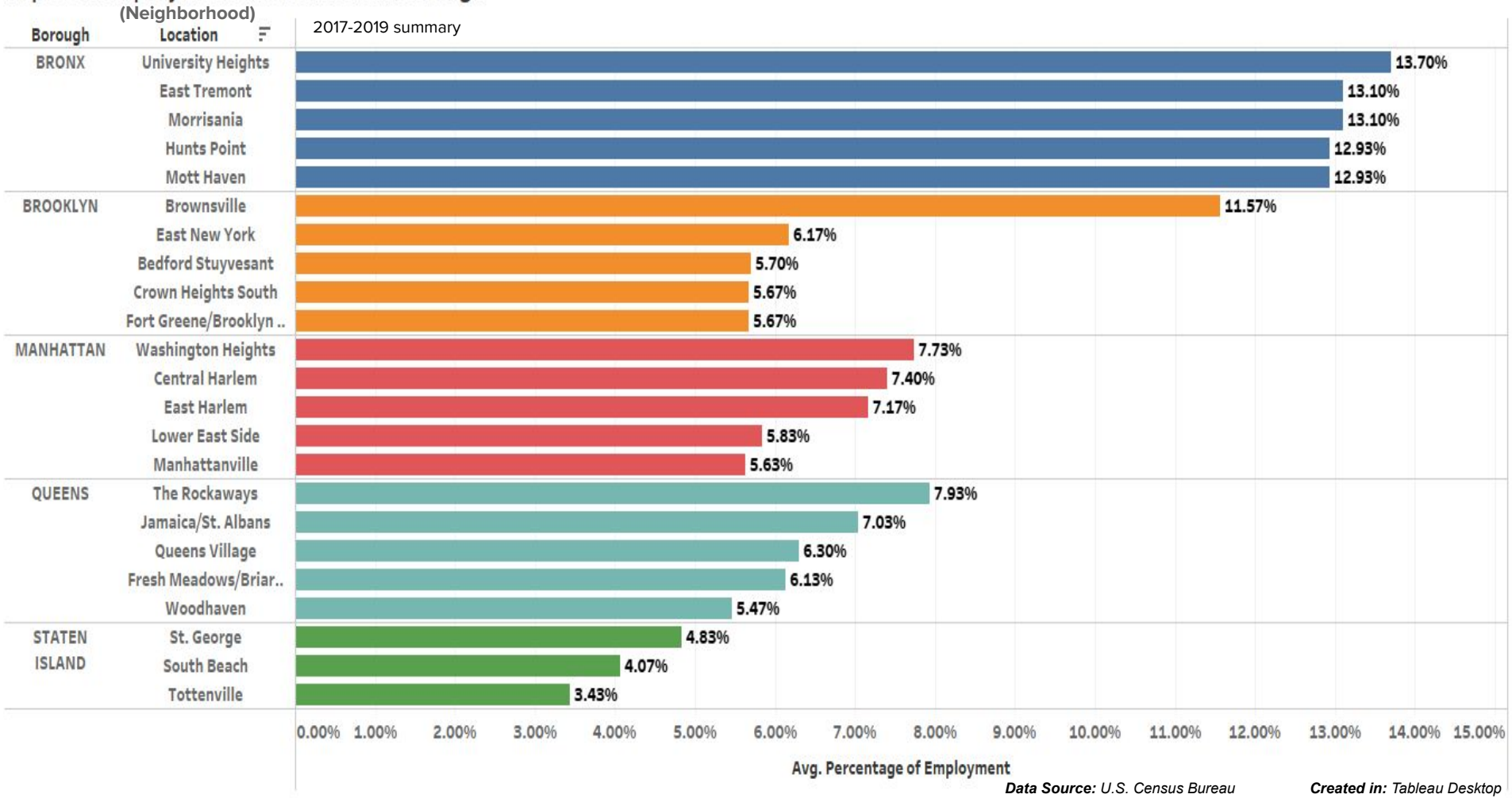
Data Source: *Evictions in NYC* ***Created in:*** *Tableau Desktop*

Unemployment Rates by District

Data Source: *U.S. Census Bureau*

Created in: *Tableau Desktop*

Top 5 Unemployment areas in each Borough



Data Source: *U.S. Census Bureau* ***Created in:*** *Tableau Desktop*

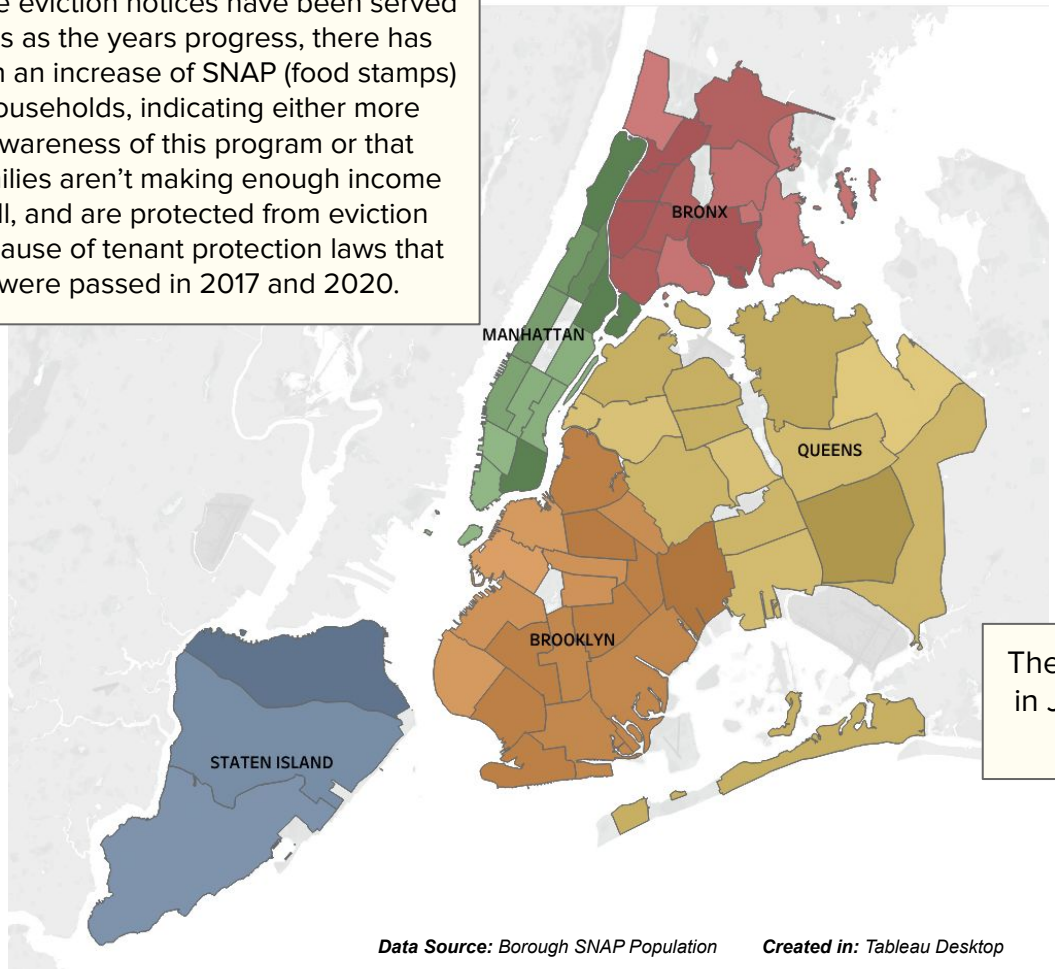
While eviction notices have been served less as the years progress, there has been an increase of SNAP (food stamps) households, indicating either more awareness of this program or that families aren't making enough income still, and are protected from eviction because of tenant protection laws that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

Data Source: *Borough SNAP Population* ***Created in:*** *Tableau Desktop*

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

Data Source: *Borough SNAP Population* ***Created in:*** *Tableau Desktop*

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

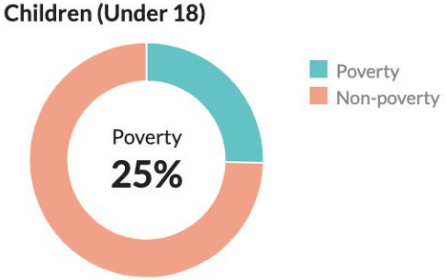
Poverty In NYC Boroughs

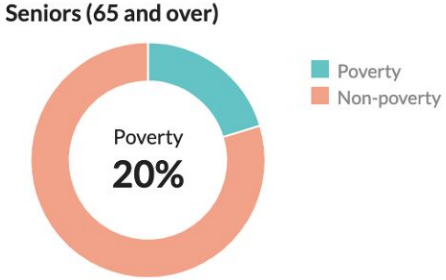
Bronx

Poverty

19.2%

Persons below poverty line



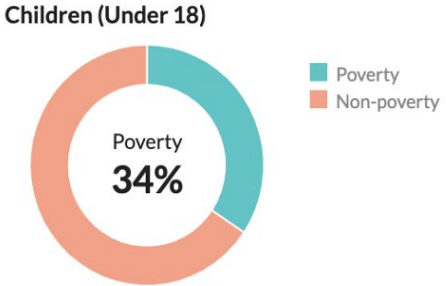


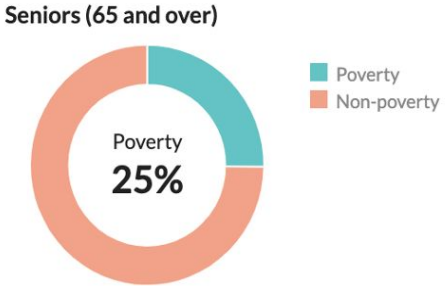
Brooklyn

Poverty

26.4%

Persons below poverty line





Data Source: *U.S. Census Bureau* ***Created in:*** *R*

Poverty In NYC Boroughs

Manhattan

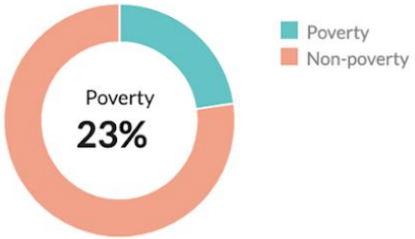
Continued

Poverty

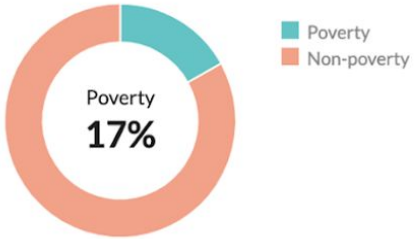
17.3%

Persons below poverty line

Children (Under 18)



Seniors (65 and over)



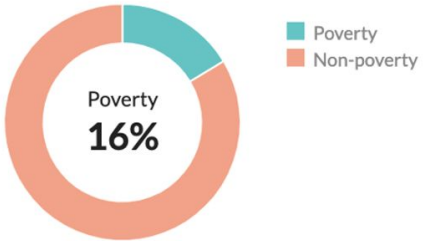
Queens

Poverty

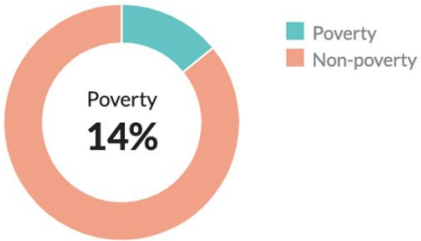
13.5%

Persons below poverty line

Children (Under 18)



Seniors (65 and over)



Data Source: *U.S. Census Bureau* ***Created in:*** *R*

Poverty In NYC Boroughs

Staten Island

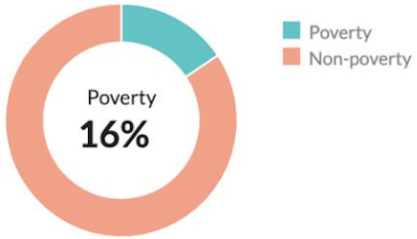
Continued

Poverty

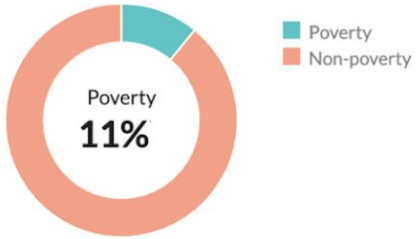
11.6%

Persons below poverty line

Children (Under 18)



Seniors (65 and over)



Data Source: *U.S. Census Bureau* ***Created in:*** *R*

Education Levels in the Boroughs

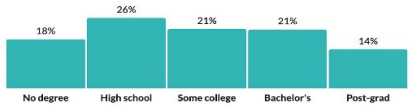
Queens

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

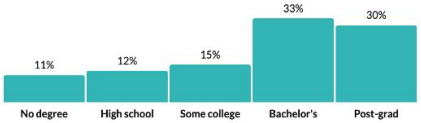
Manhattan

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

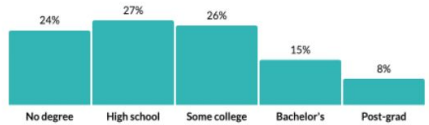
Bronx

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

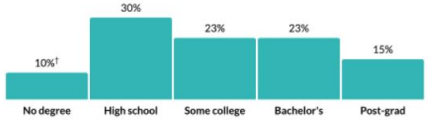
Staten Island

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

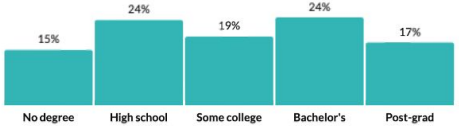
Brooklyn

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

Data Source: *U.S. Census Bureau* ***Created in:*** *R*

Insights to Consider

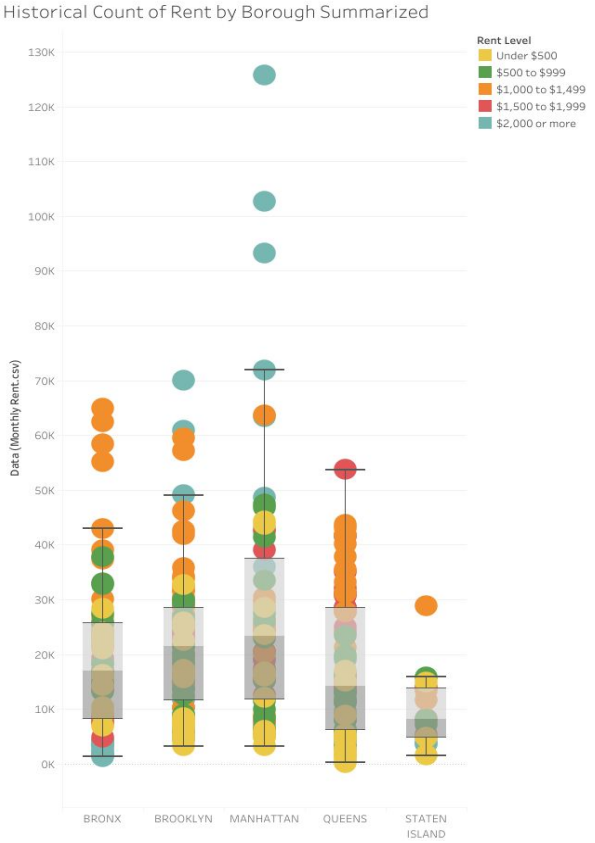
Affordability

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%

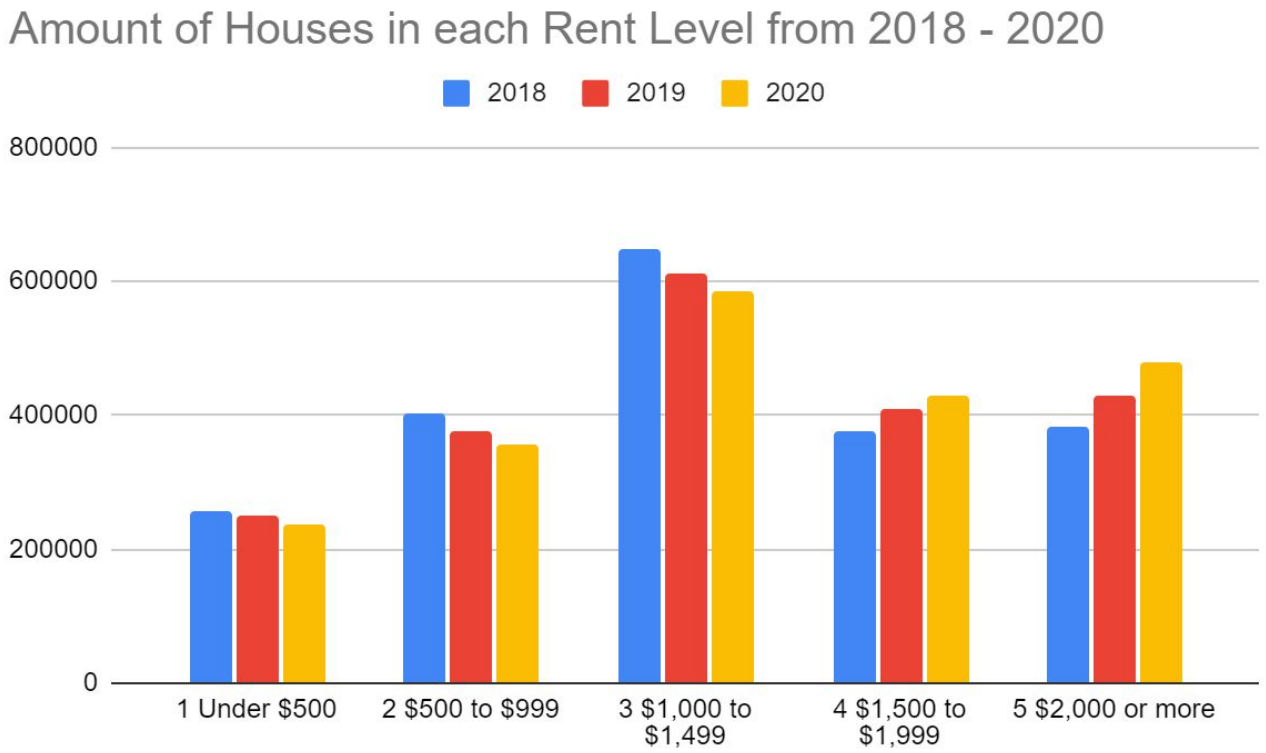
Data Source: *U.S. Census Bureau*



Data Source: *Monthly Rent in NYC*

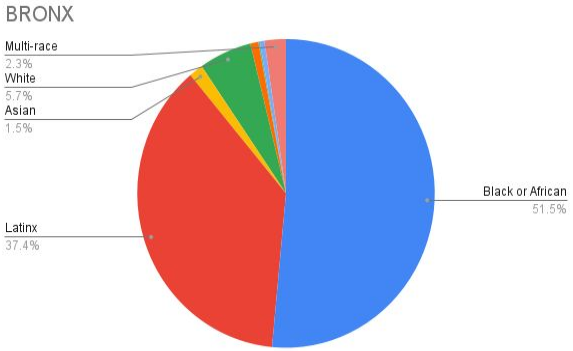
Created in: *Tableau Desktop*

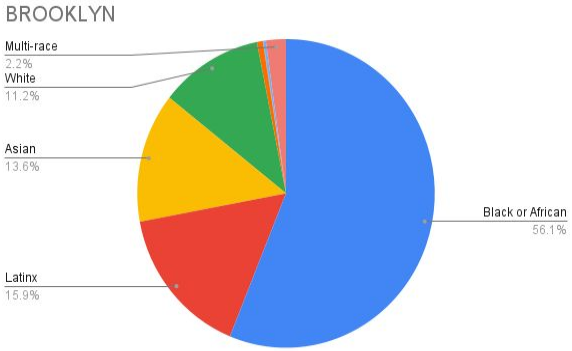
Housing Availability Over the Years

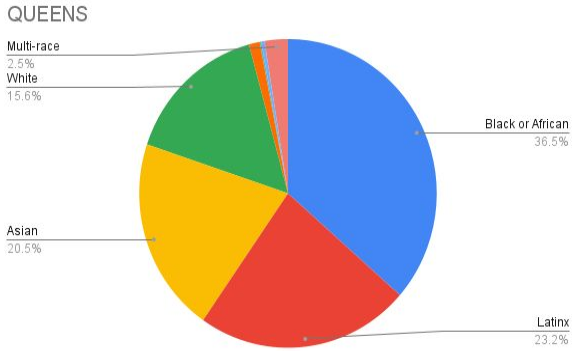


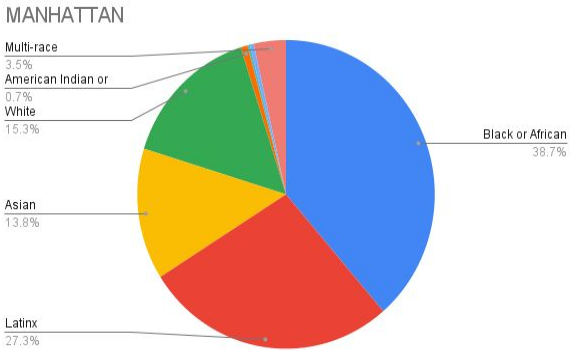
Data Source: *Monthly Rent in NYC* ***Created in:*** *Tableau Desktop*

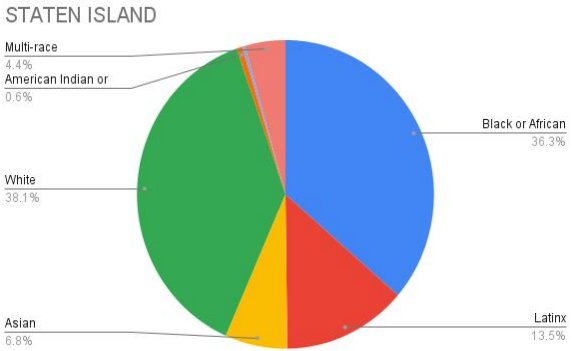
Demographics by Borough











Data Source: *Demographics in NYC* ***Created in:*** *Tableau Desktop*

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

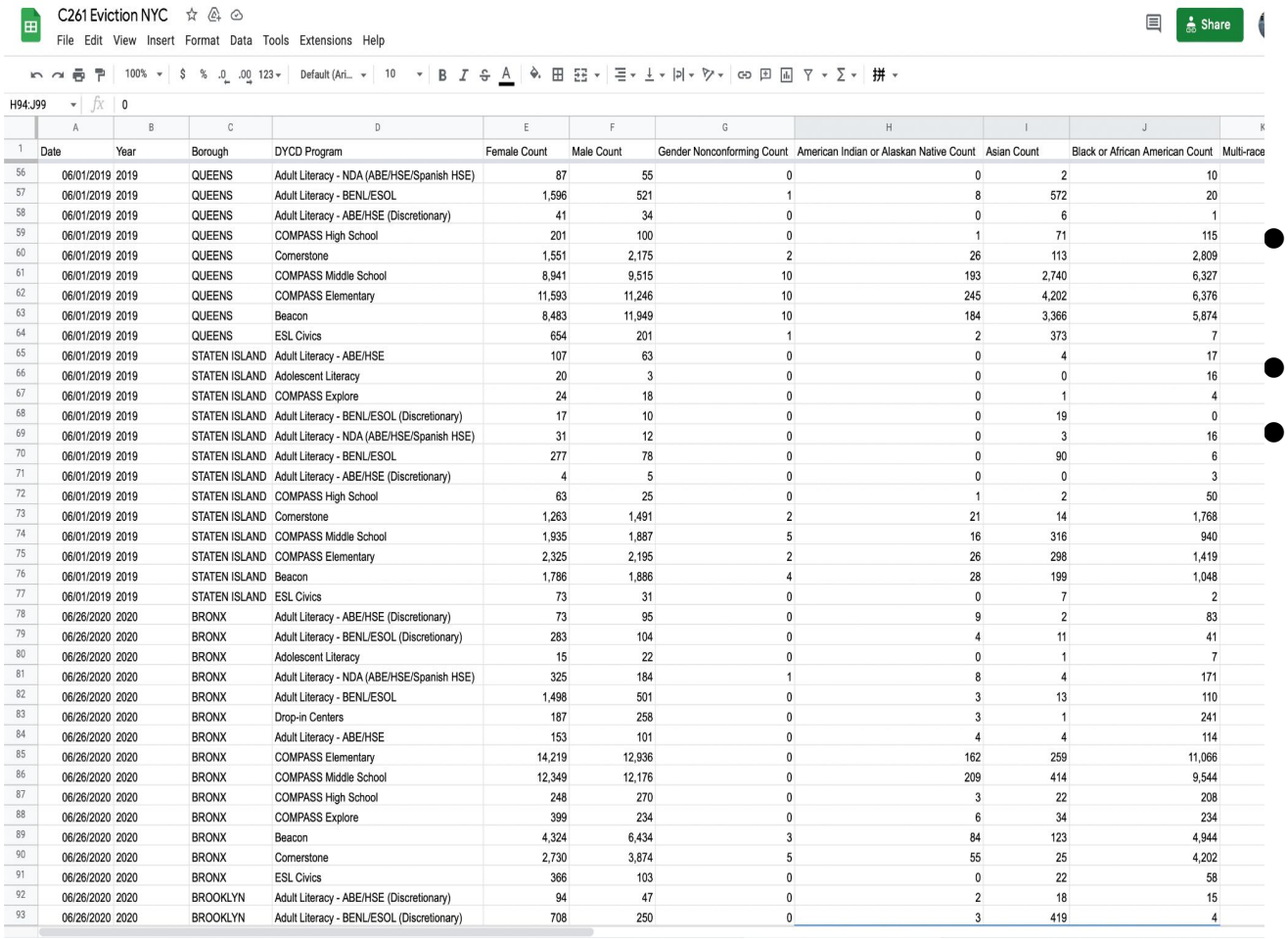
- High to Low Eviction Rates: Bronx, Brooklyn, Queens, *Manhattan**, Staten Island
- Higher eviction rates were also in areas that had lower education levels, higher SNAP usage, and higher unemployment rates.

Protesters in Manhattan
Source: cnbc.com

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

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.


C261 Eviction NYC

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	A	B	C	D	E	F	G	H	I	J	K
1	Date	Year	Borough	DYCD Program	Female Count	Male Count	Gender Nonconforming Count	American Indian or Alaskan Native Count	Asian Count	Black or African American Count	Multi-race
56	06/01/2019	2019	QUEENS	Adult Literacy - NDA (ABE/HSE/Spanish HSE)	87	55	0	0	2	10	
57	06/01/2019	2019	QUEENS	Adult Literacy - BENL/ESOL	1,596	521	1	8	572	20	
58	06/01/2019	2019	QUEENS	Adult Literacy - ABE/HSE (Discretionary)	41	34	0	0	6	1	
59	06/01/2019	2019	QUEENS	COMPASS High School	201	100	0	1	71	115	
60	06/01/2019	2019	QUEENS	Cornerstone	1,551	2,175	2	26	113	2,809	
61	06/01/2019	2019	QUEENS	COMPASS Middle School	8,941	9,515	10	193	2,740	6,327	
62	06/01/2019	2019	QUEENS	COMPASS Elementary	11,593	11,246	10	245	4,202	6,376	
63	06/01/2019	2019	QUEENS	Beacon	8,483	11,949	10	184	3,366	5,874	
64	06/01/2019	2019	QUEENS	ESL Civics	654	201	1	2	373	7	
65	06/01/2019	2019	STATEN ISLAND	Adult Literacy - ABE/HSE	107	63	0	0	4	17	
66	06/01/2019	2019	STATEN ISLAND	Adolescent Literacy	20	3	0	0	0	16	
67	06/01/2019	2019	STATEN ISLAND	COMPASS Explore	24	18	0	0	1	4	
68	06/01/2019	2019	STATEN ISLAND	Adult Literacy - BENL/ESOL (Discretionary)	17	10	0	0	19	0	
69	06/01/2019	2019	STATEN ISLAND	Adult Literacy - NDA (ABE/HSE/Spanish HSE)	31	12	0	0	3	16	
70	06/01/2019	2019	STATEN ISLAND	Adult Literacy - BENL/ESOL	277	78	0	0	90	6	
71	06/01/2019	2019	STATEN ISLAND	Adult Literacy - ABE/HSE (Discretionary)	4	5	0	0	0	3	
72	06/01/2019	2019	STATEN ISLAND	COMPASS High School	63	25	0	1	2	50	
73	06/01/2019	2019	STATEN ISLAND	Cornerstone	1,263	1,491	2	21	14	1,768	
74	06/01/2019	2019	STATEN ISLAND	COMPASS Middle School	1,935	1,887	5	16	316	940	
75	06/01/2019	2019	STATEN ISLAND	COMPASS Elementary	2,325	2,195	2	26	298	1,419	
76	06/01/2019	2019	STATEN ISLAND	Beacon	1,786	1,886	4	28	199	1,048	
77	06/01/2019	2019	STATEN ISLAND	ESL Civics	73	31	0	0	7	2	
78	06/26/2020	2020	BRONX	Adult Literacy - ABE/HSE (Discretionary)	73	95	0	9	2	83	
79	06/26/2020	2020	BRONX	Adult Literacy - BENL/ESOL (Discretionary)	283	104	0	4	11	41	
80	06/26/2020	2020	BRONX	Adolescent Literacy	15	22	0	0	1	7	
81	06/26/2020	2020	BRONX	Adult Literacy - NDA (ABE/HSE/Spanish HSE)	325	184	1	8	4	171	
82	06/26/2020	2020	BRONX	Adult Literacy - BENL/ESOL	1,498	501	0	3	13	110	
83	06/26/2020	2020	BRONX	Drop-in Centers	187	258	0	3	1	241	
84	06/26/2020	2020	BRONX	Adult Literacy - ABE/HSE	153	101	0	4	4	114	
85	06/26/2020	2020	BRONX	COMPASS Elementary	14,219	12,936	0	162	259	11,066	
86	06/26/2020	2020	BRONX	COMPASS Middle School	12,349	12,176	0	209	414	9,544	
87	06/26/2020	2020	BRONX	COMPASS High School	248	270	0	3	22	208	
88	06/26/2020	2020	BRONX	COMPASS Explore	399	234	0	6	34	234	
89	06/26/2020	2020	BRONX	Beacon	4,324	6,434	3	84	123	4,944	
90	06/26/2020	2020	BRONX	Cornerstone	2,730	3,874	5	55	25	4,202	
91	06/26/2020	2020	BRONX	ESL Civics	366	103	0	0	22	58	
92	06/26/2020	2020	BROOKLYN	Adult Literacy - ABE/HSE (Discretionary)	94	47	0	2	18	15	
93	06/26/2020	2020	BROOKLYN	Adult Literacy - BENL/ESOL (Discretionary)	708	250	0	3	419	4	

About the Dataset

- 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	• **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	• **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	• 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	• 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	• **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	• **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	• **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	• **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	