

Key Features of Airbnb Listings in NYC

What Makes an Airbnb More Popular?

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Preview

Dataset
explanation

Data

Analysis

- Location
- Room Type
- Minimum Nights
- Pricing

Limitation of Analysis

Limitation

Summary

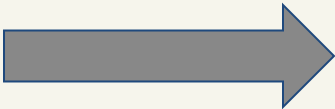
Summarise Findings

- Hosts
- Airbnb
- Guests

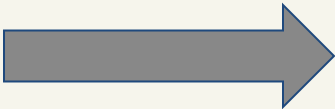
Recommendation

Dataset Overview

Kaggle



15 Variables



2000+ Rows

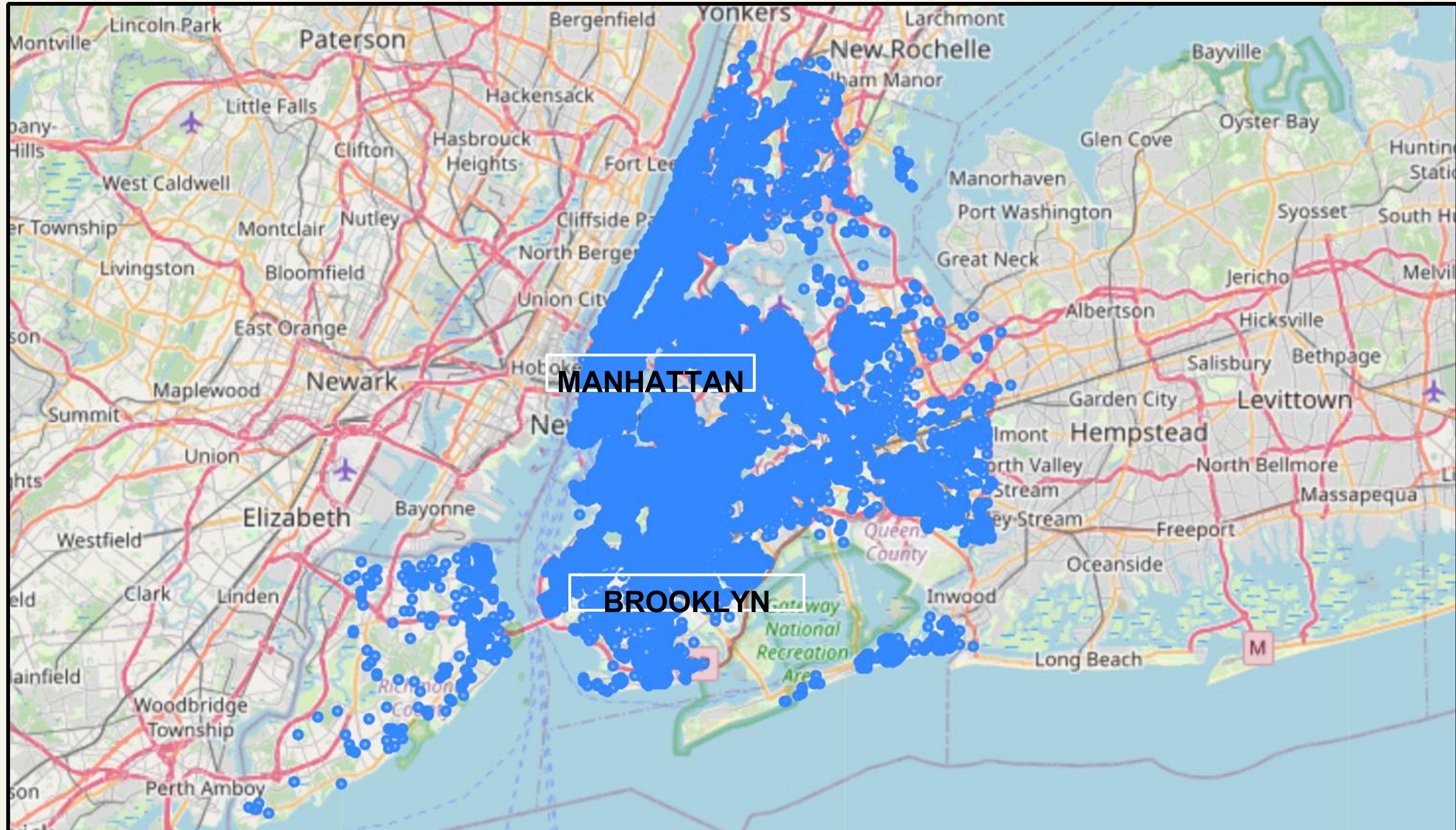
| Column | Description |
|---------------------|---|
| id | Airbnb's unique identifier for the listing |
| name | Name of the listing |
| host_id | Airbnb host's unique identifier |
| host_name | Name of the host |
| neighbourhood_group | The neighbourhood group as geocoded using the latitude and longitude against neighborhoods as defined by open or public digital shapefiles. |
| neighbourhood | The neighbourhood as geocoded using the latitude and longitude against neighborhoods as defined by open or public digital shapefiles. |
| latitude | Latitude in the World Geodetic System (WGS84) projection |
| longitude | Longitude in the World Geodetic System (WGS84) projection |
| room_type | Type of room (e.g., entire home, private room, shared room) |

| | |
|--------------------------------|--|
| price | Daily price in local currency (Note: \$ sign may be used regardless of locale) |
| minimum_nights | Minimum number of nights required for the listing (calendar rules may vary) |
| number_of_reviews | Total number of reviews the listing has received |
| last_review | Date of the last/newest review |
| calculated_host_listings_count | Number of listings the host has in the current scrape, in the city/region geography |
| availability_365 | Availability of the listing x days in the future as determined by the calendar. Note: A listing may be available because it has been booked by a guest or blocked by the host. |
| number_of_reviews_ltm | Number of reviews the listing has received in the last 12 months |

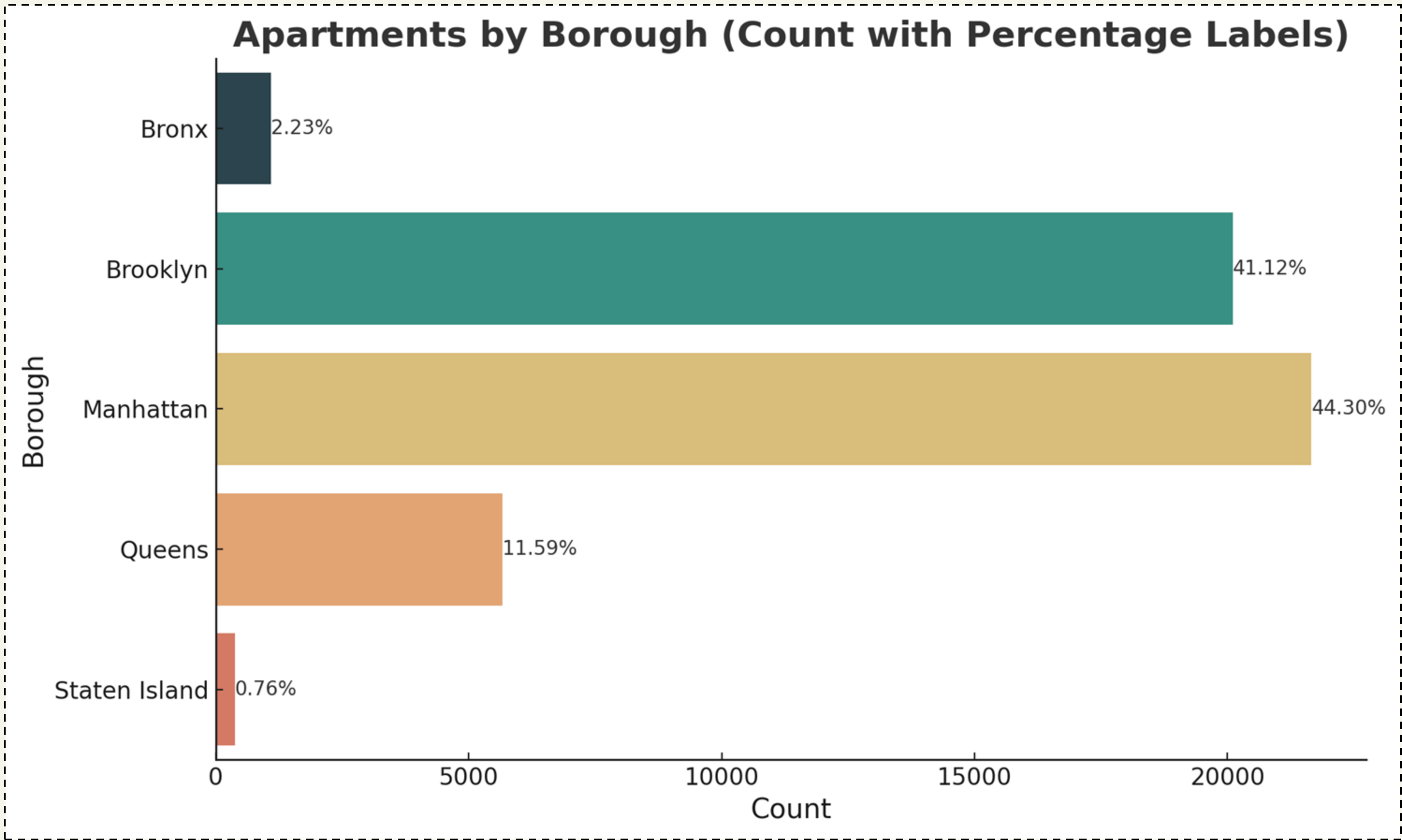
Location Analysis



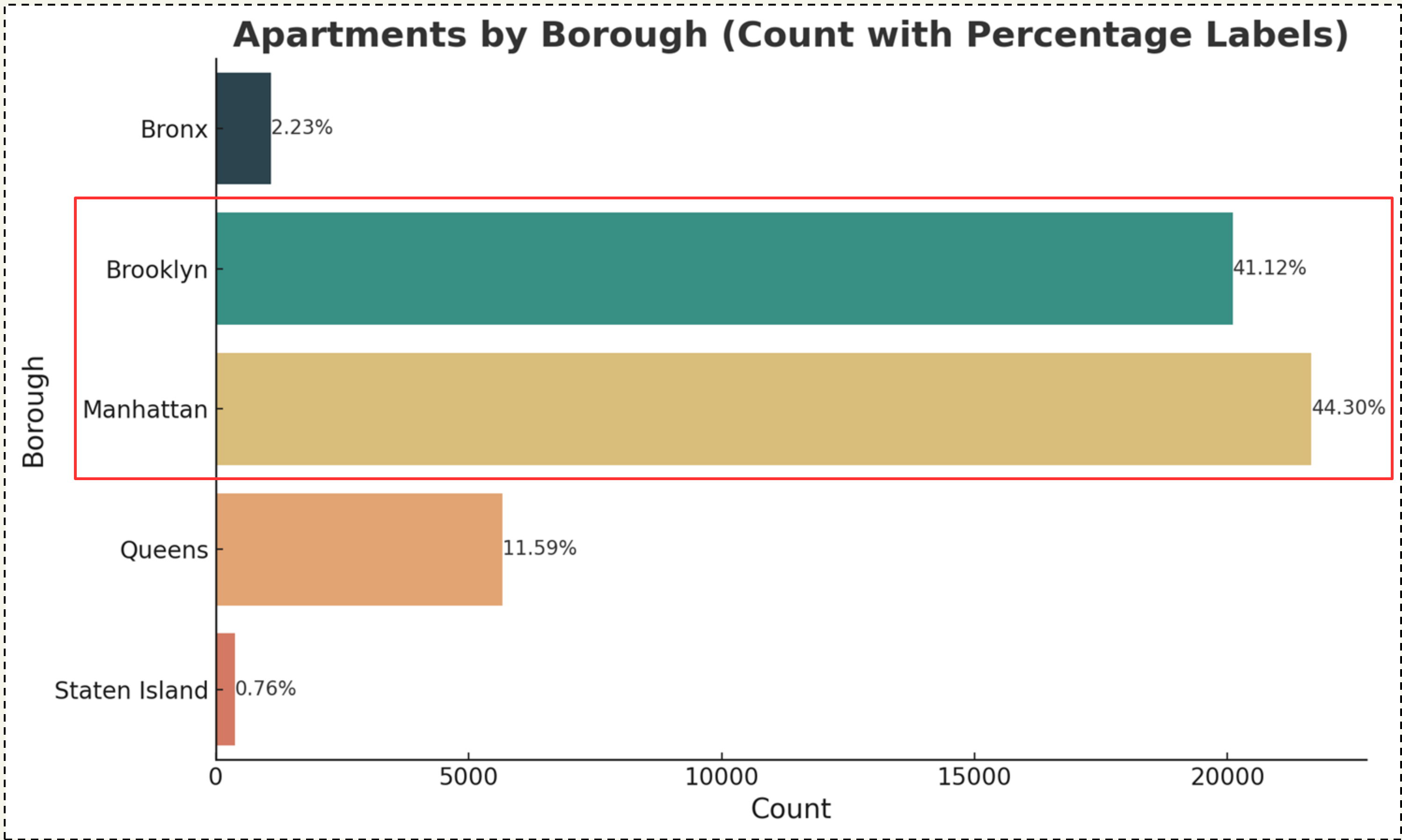
Listings Centered in South Central Manhattan and Brooklyn



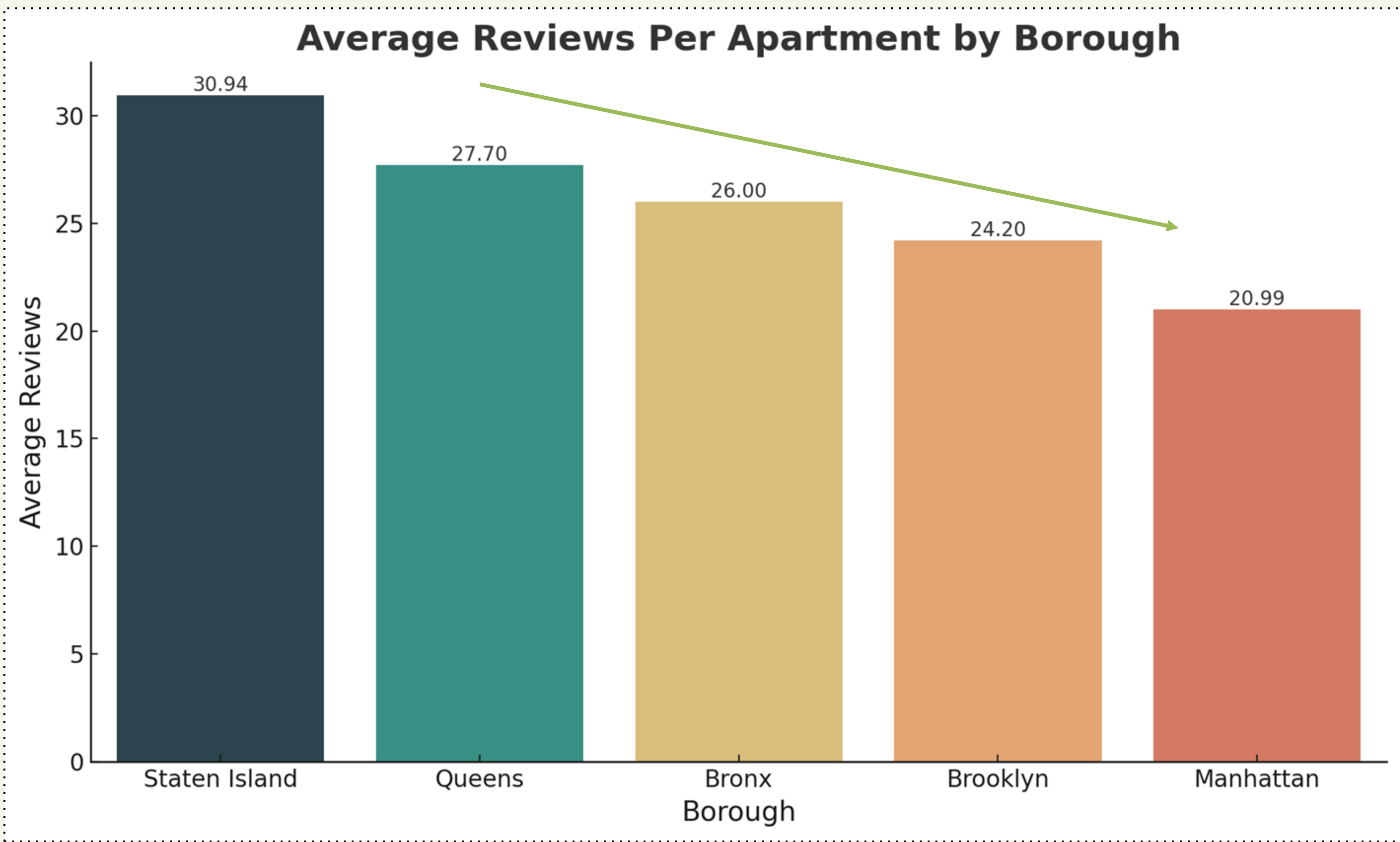
Brooklyn and Manhattan Account for Nearly 90% of Total Listings



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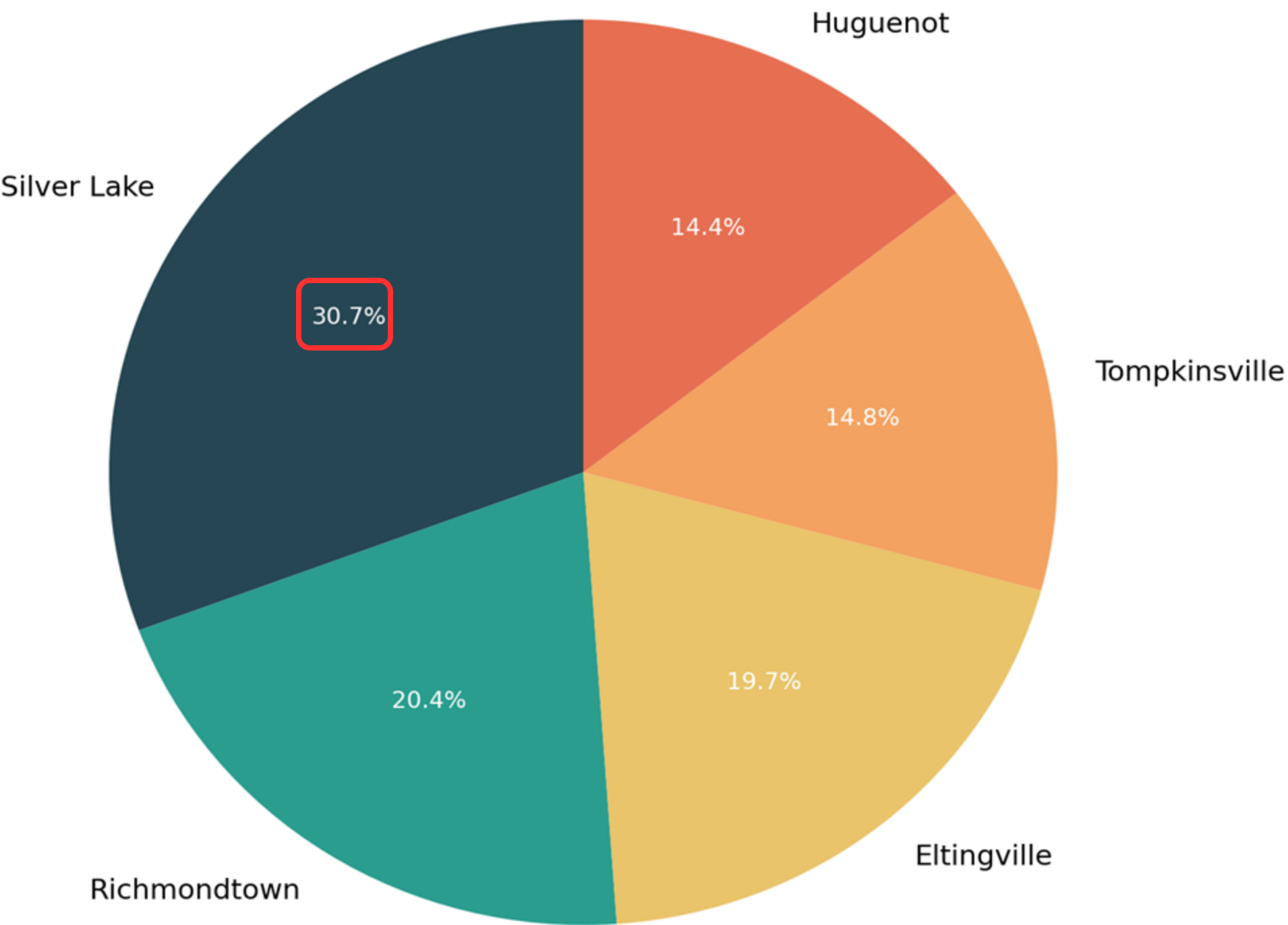


Staten Island Leads on Average Reviews by Nearly **20%** Across Boroughs



Silver Lake Garnered over 30% of All Reviews in Staten Island

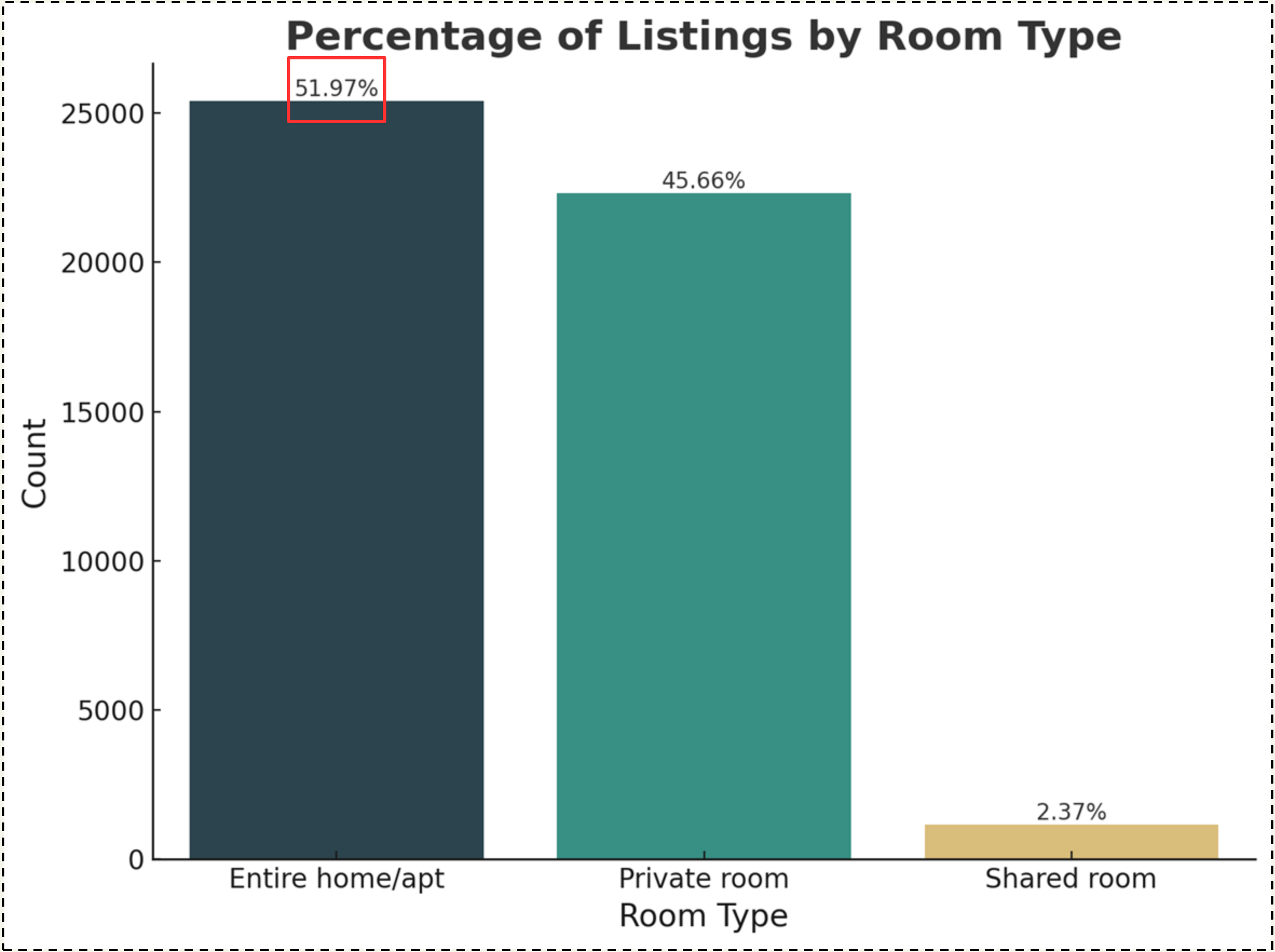
Top 5 Neighborhoods by Average Review Count in Staten Island



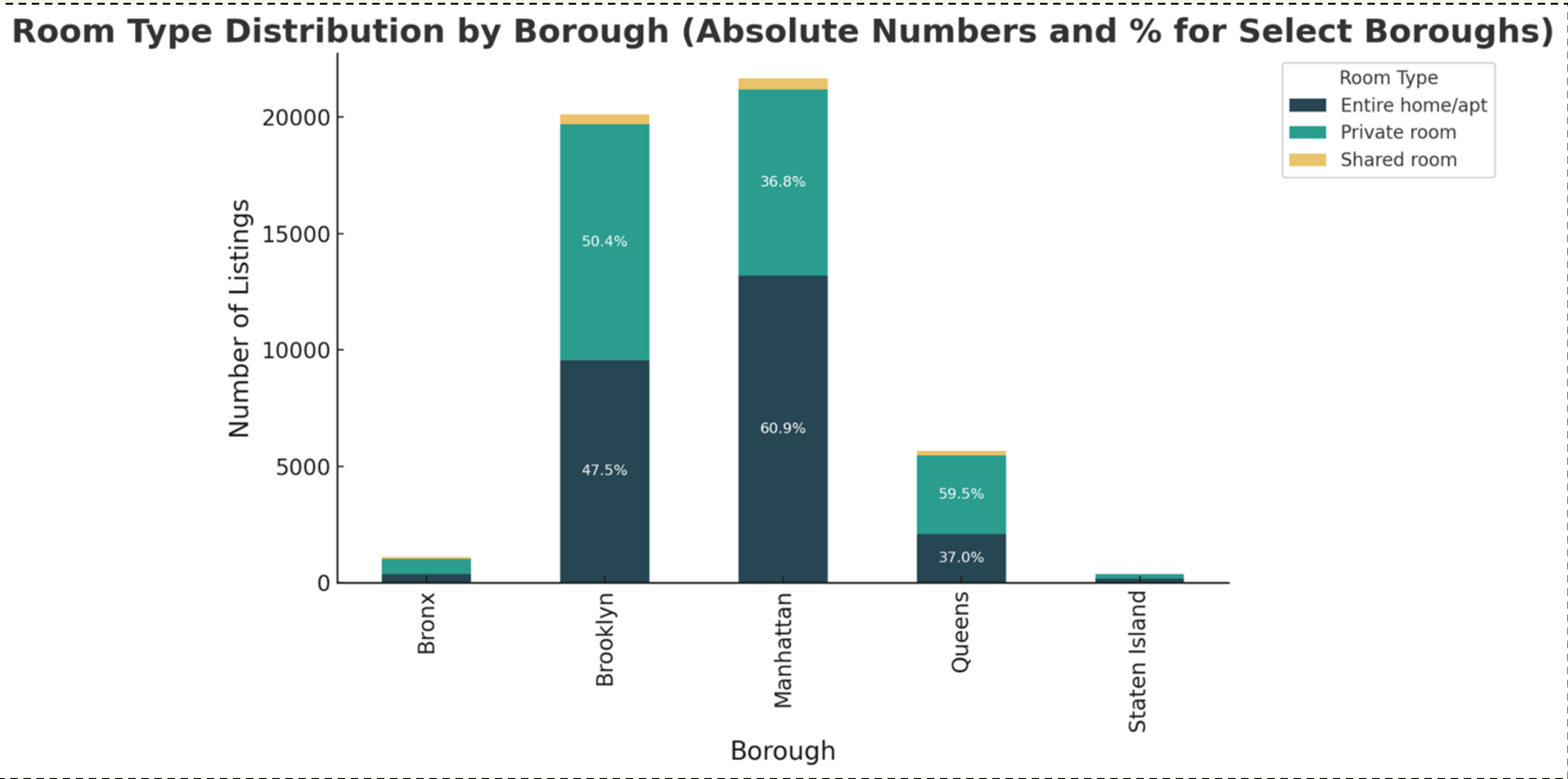
Room Type Analysis



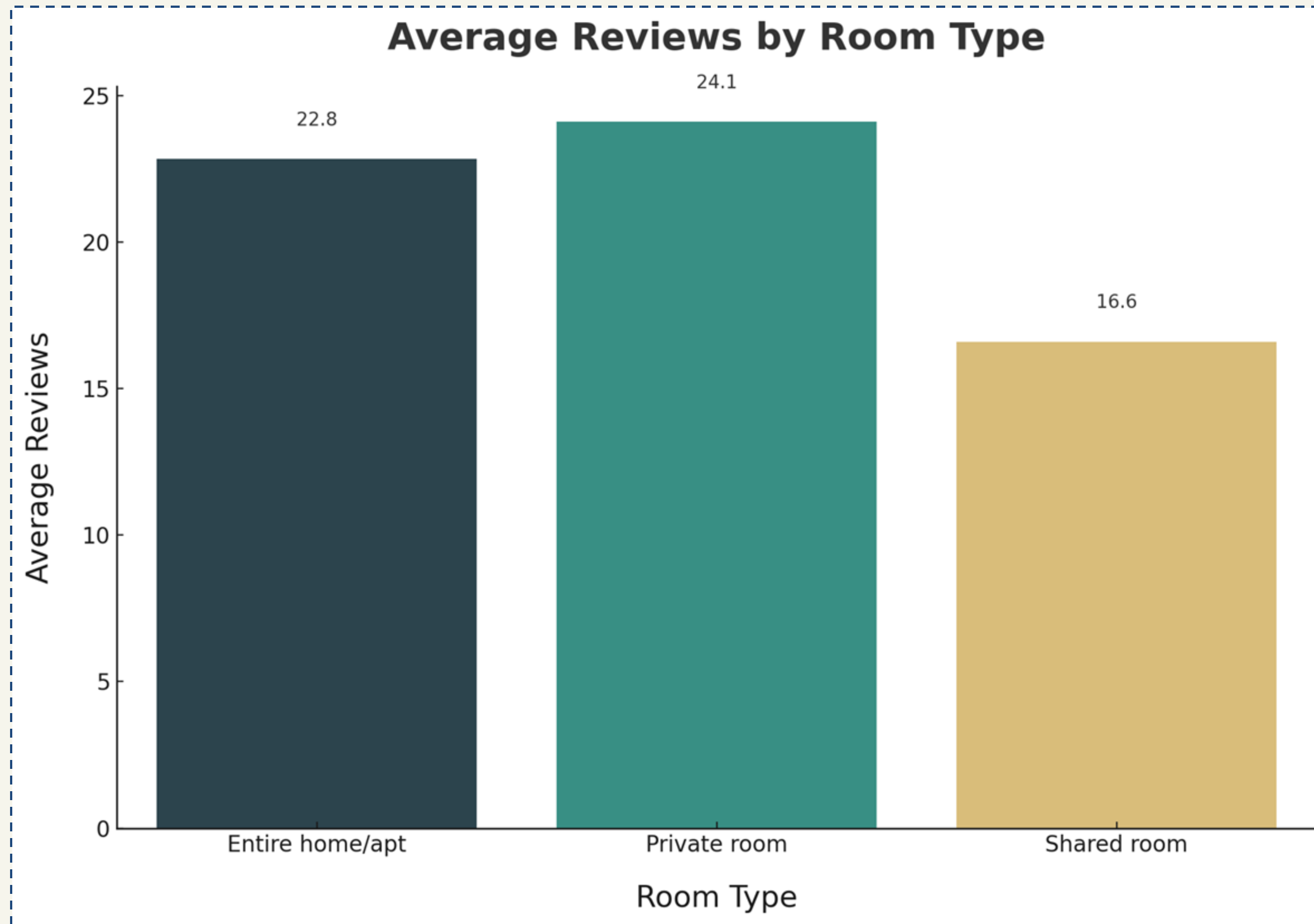
Entire Homes/Apartments Account for Majority Share at 51.97%



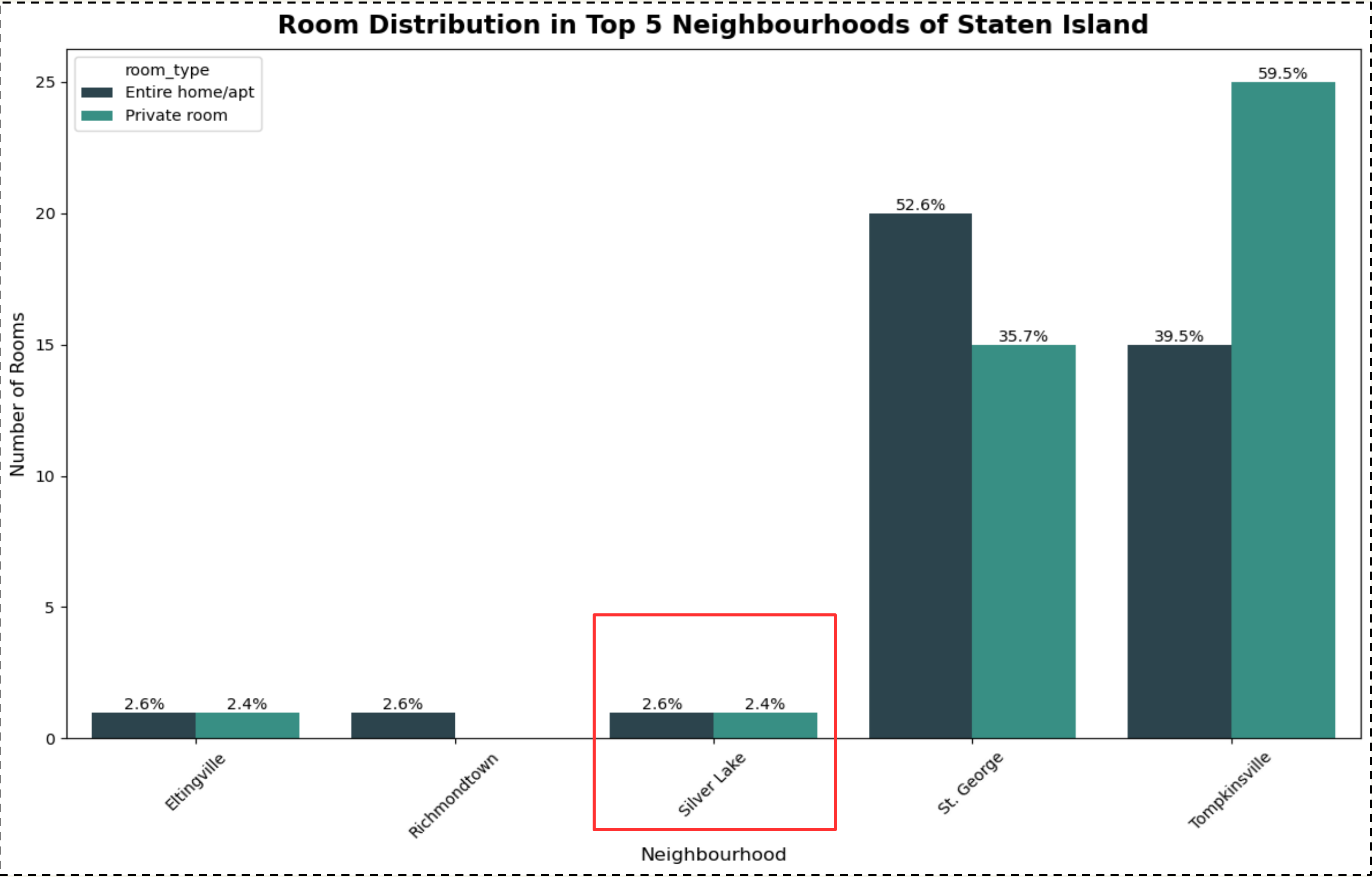
Private and Entire Room Types are Prevalent Across 5 Boroughs



The Average Reviews of Private Room Type is Nearly **25**



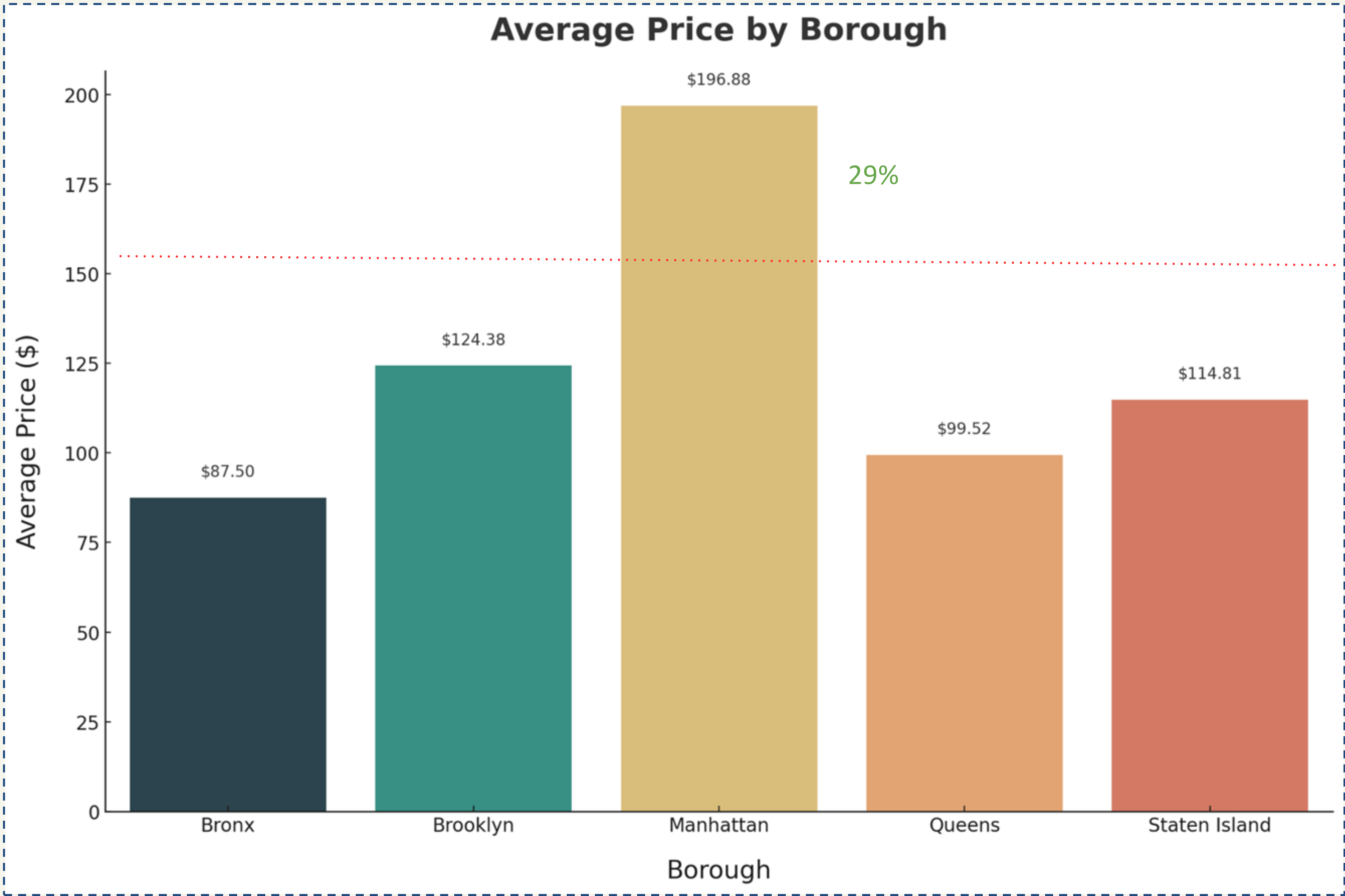
Silver Lake Neighborhood Has Nearly Equal Distribution



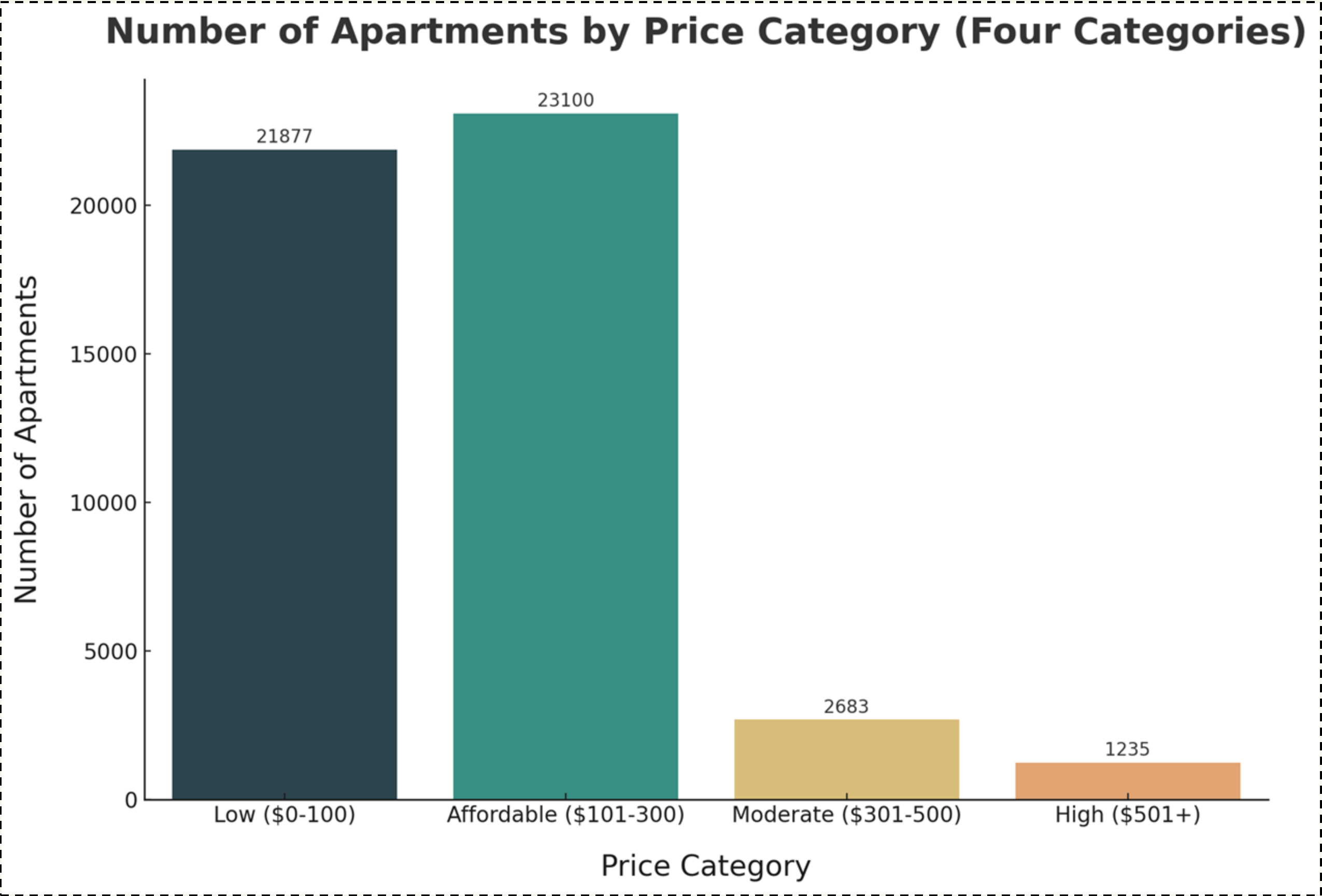
Pricing Analysis



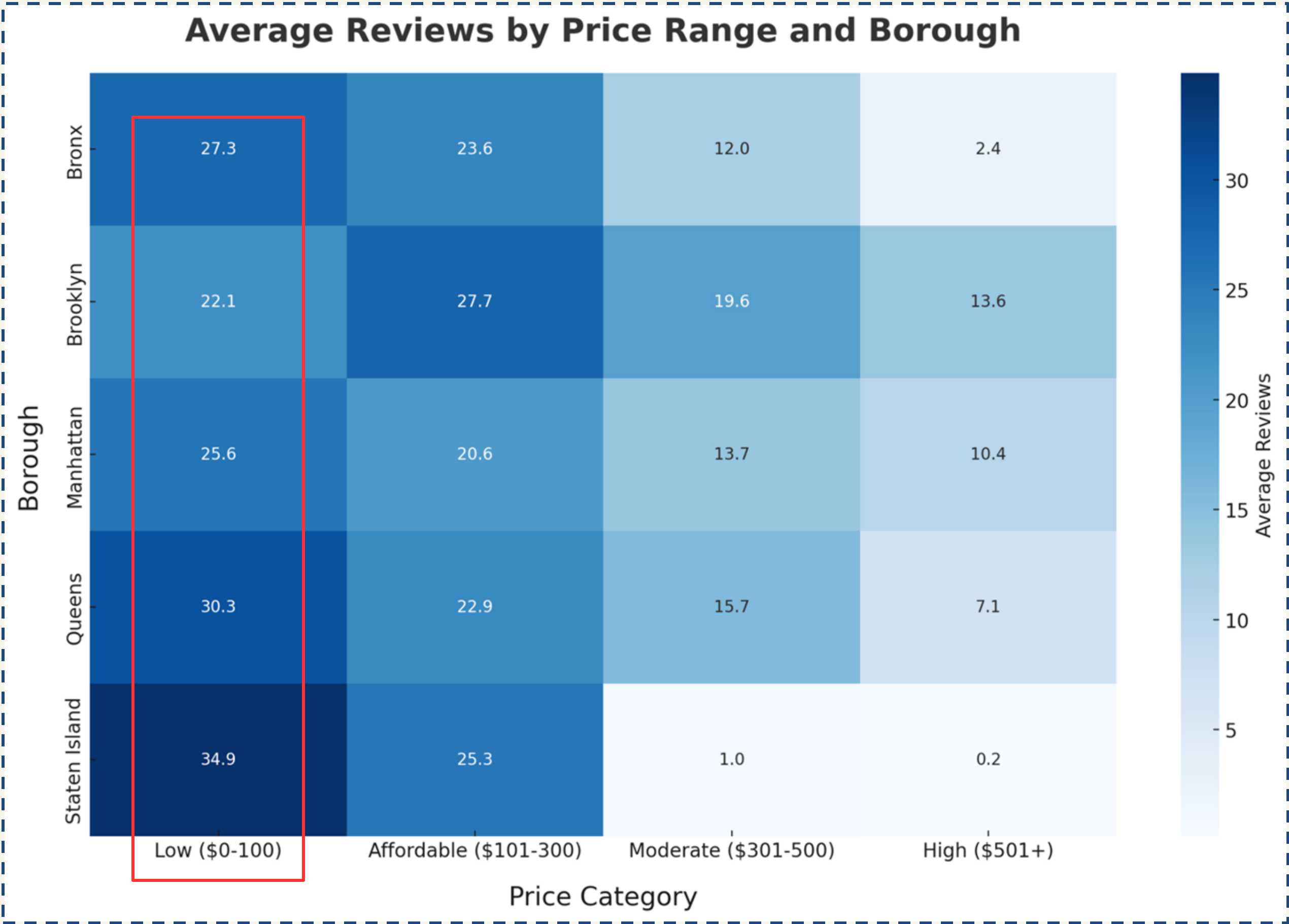
Manhattan Listings Command Close to \$200 Average Price



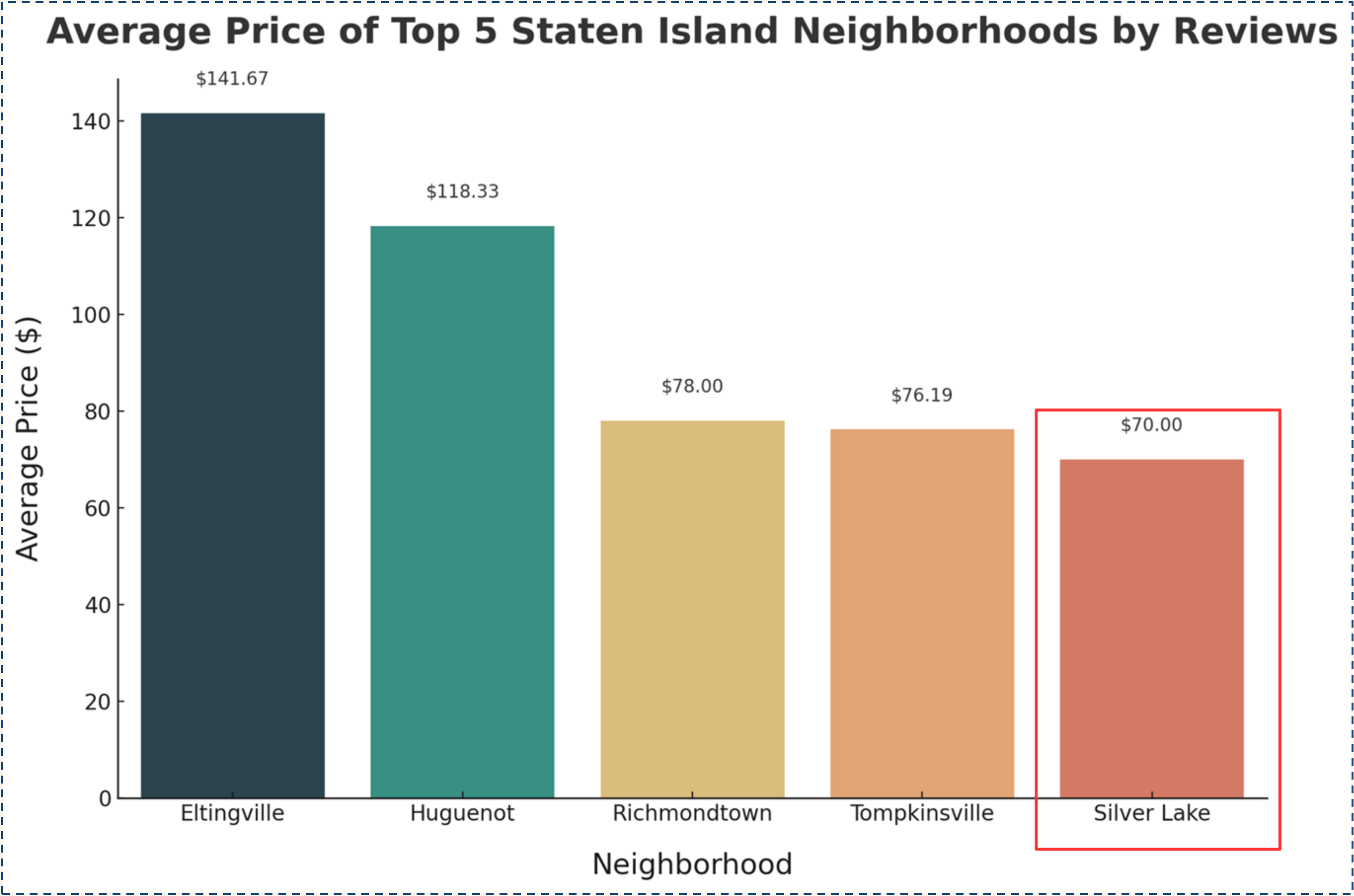
Mid-range Priced Apartments (\$0–\$300) Dominate Listings



Lower-priced Listings Have Most Reviews Across Boroughs



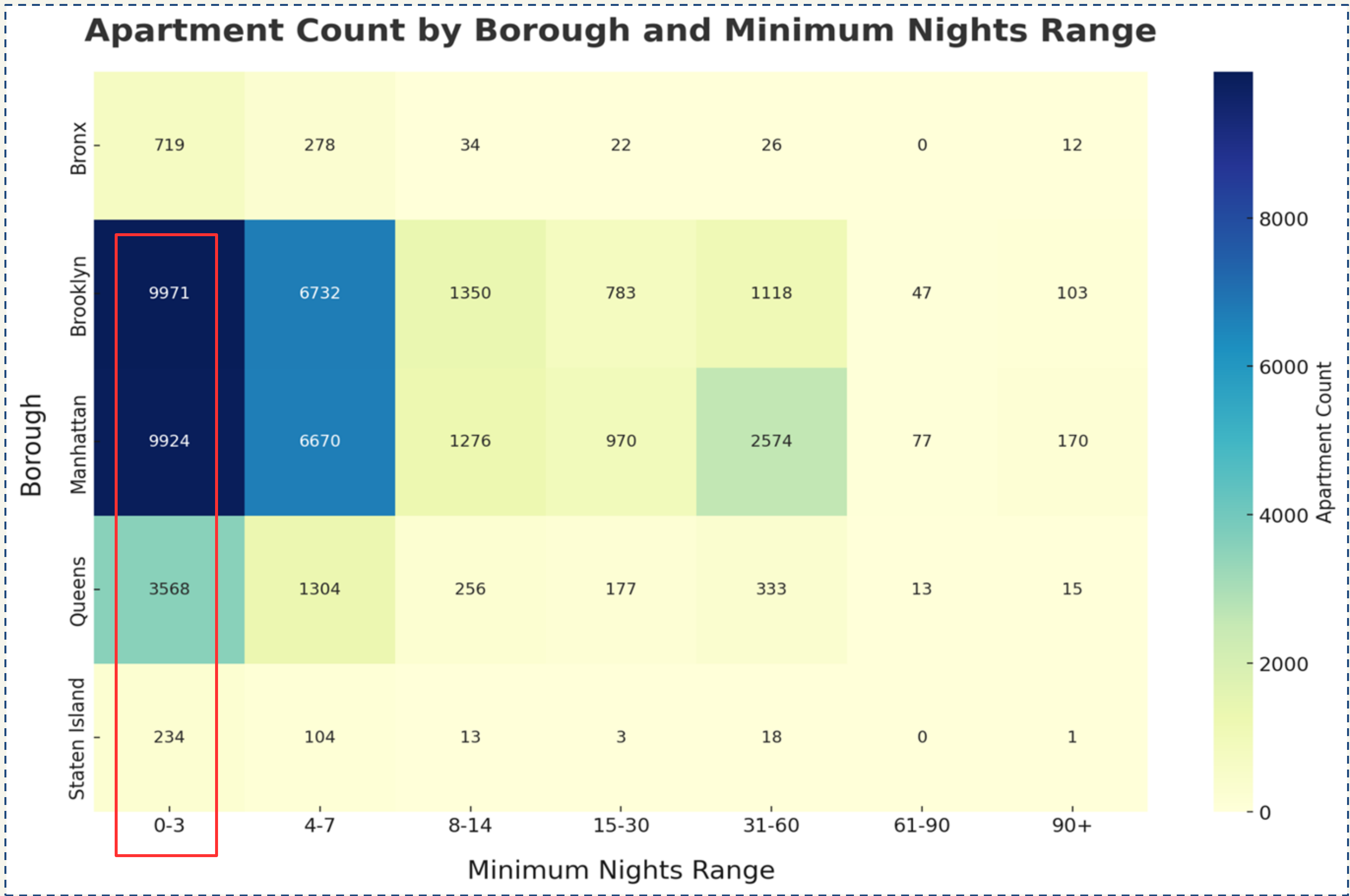
Silver Lake Listings Have the Least Average Price in Staten Island at \$70



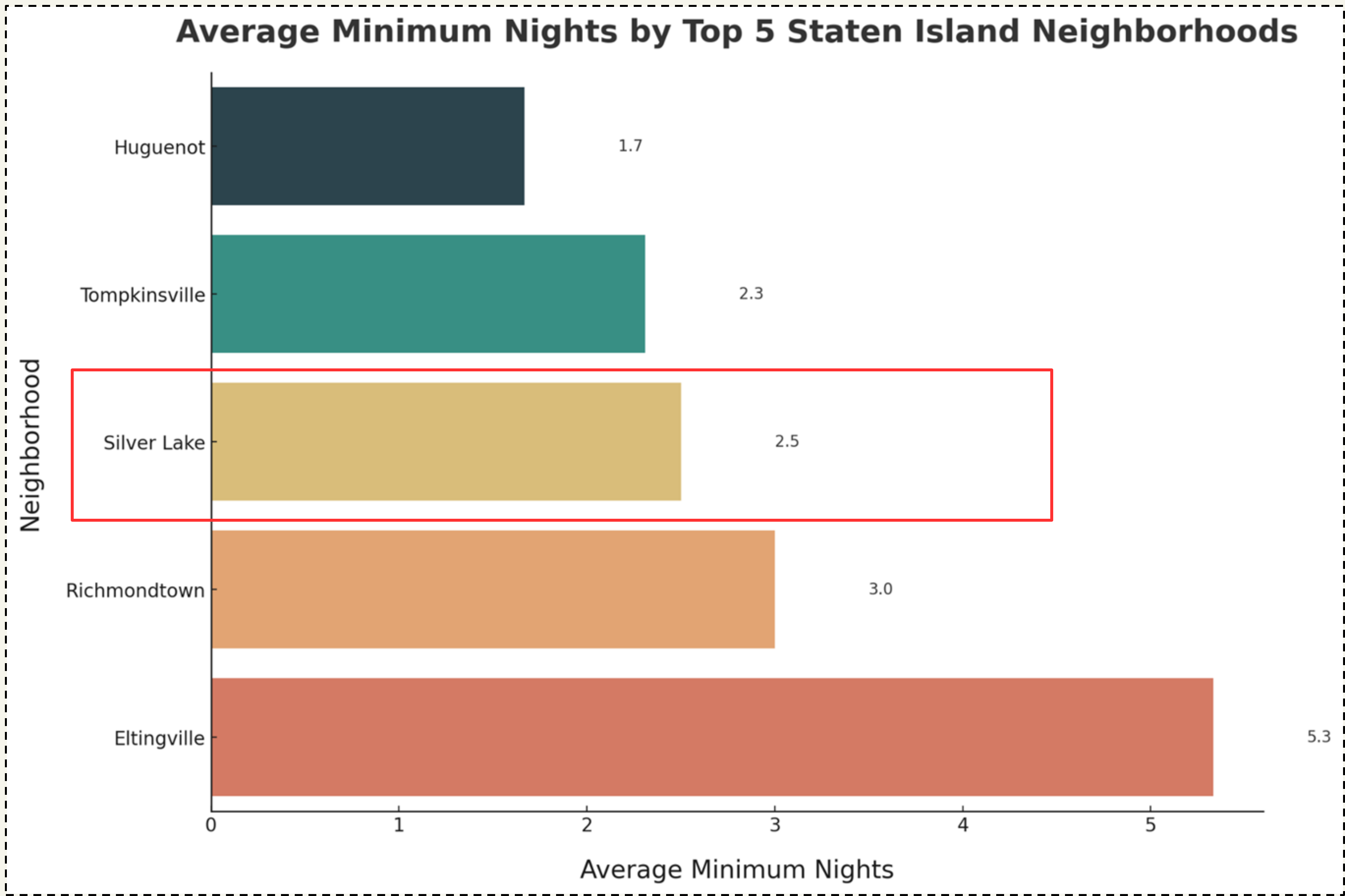
Minimum Nights Analysis



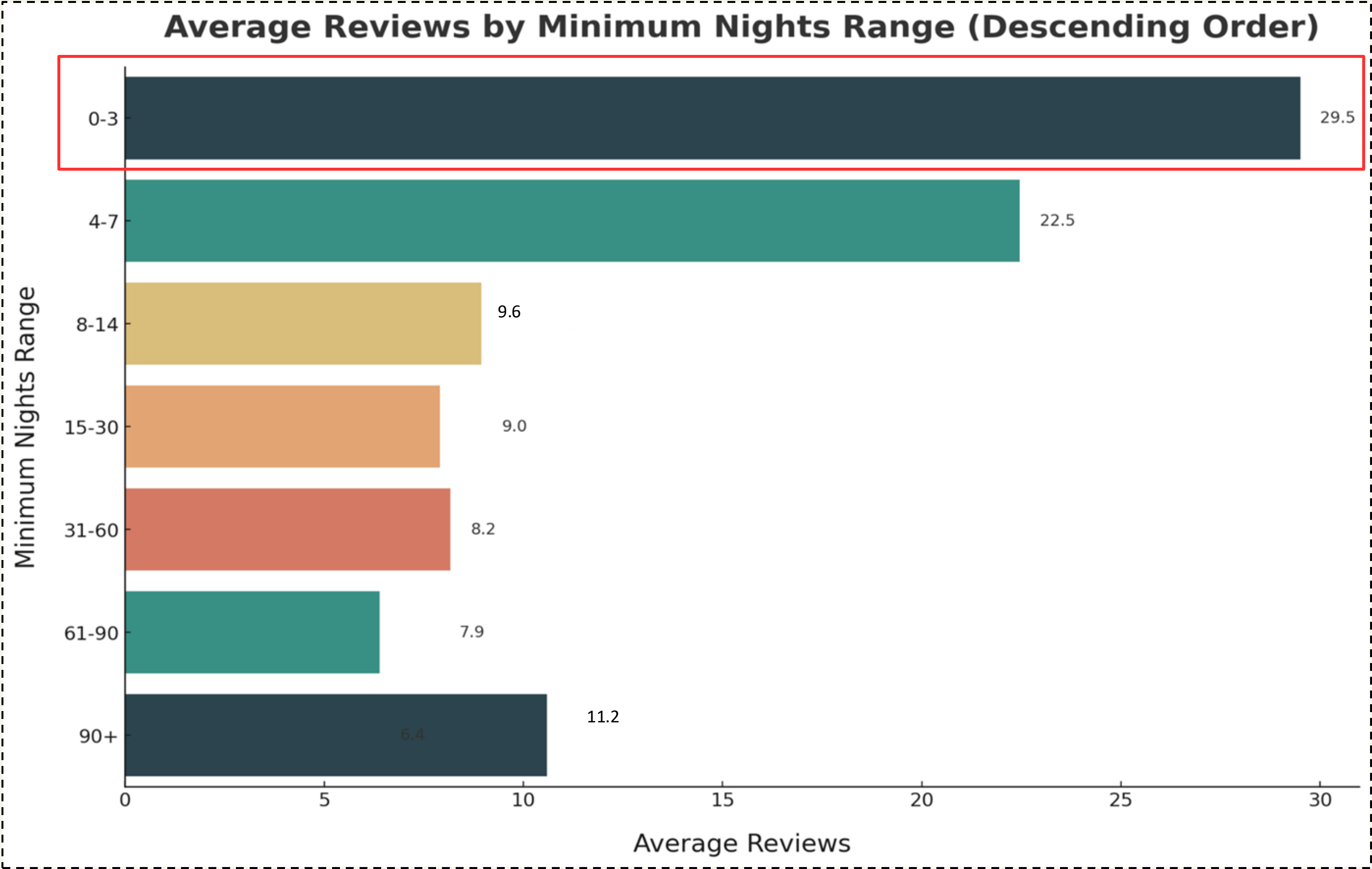
Brooklyn and Manhattan Dominate Short-Term Apartment Listings



Silver Lake Falls Within (0-3) Average Minimum Nights



Shorter Stays (0-3 days) Drive Higher Review Engagement



Limitations



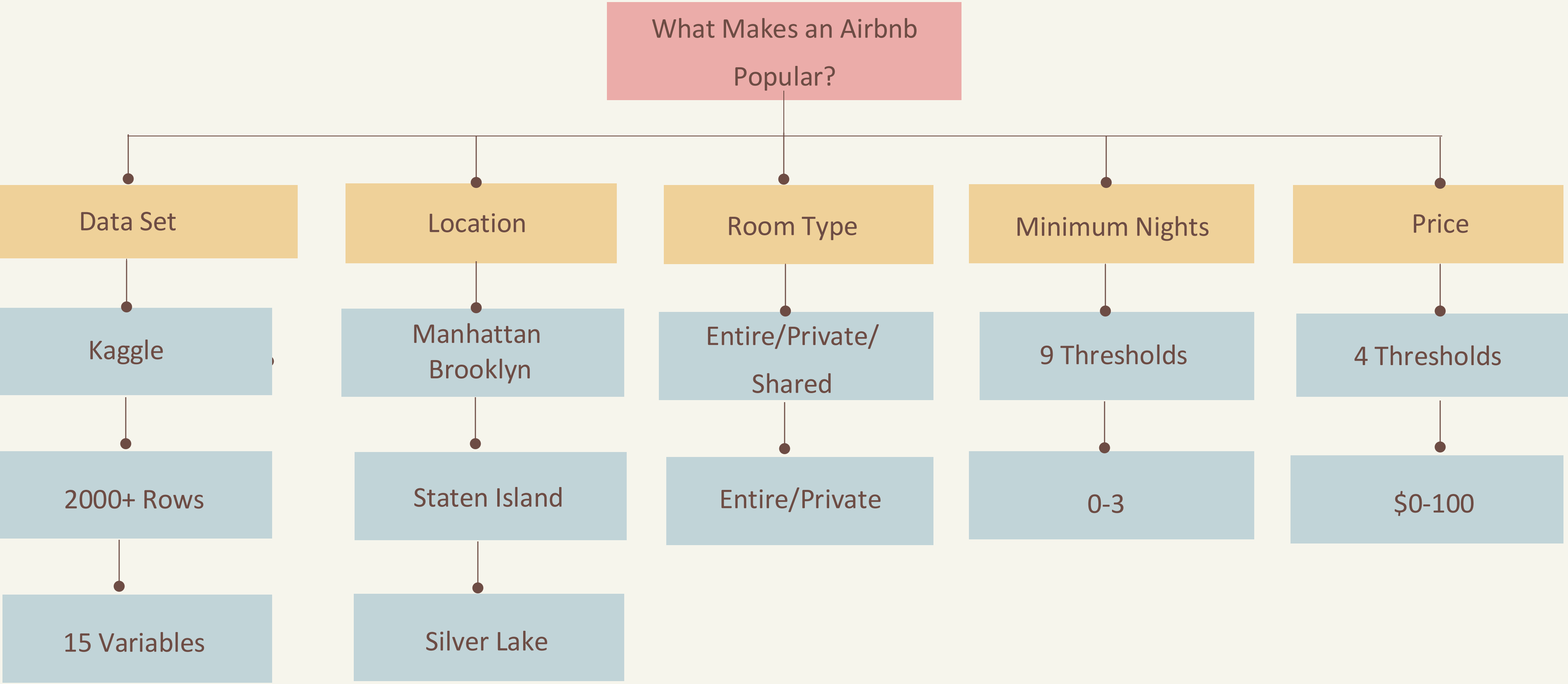
Limitations

- NYC-Specific Data
 - Static Dataset
 - Review Bias
 - Price Vs. Popularity
-

Summary



Summary



Recommendations



RECOMMENDATIONS



Hosts

Target Silver
Lake



Airbnb

Enhance
visibility of low
cost areas



Guests

Lookout for
areas with high
reviews

Key Features of Airbnb Listings in NYC

What Makes an Airbnb More Popular?

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Simon Business School

CODE

The following google drive contains the .ipynb file for this project (Accessible to all with link)

https://drive.google.com/drive/folders/1ILHJF4su-pUGVQKGP7gdnxP2FS3Be-J-?usp=drive_link