

# Airbnb Trends & Insights in NYC: Uncovering Patterns and Opportunities for Success in Post COVID Period

For Head of Acquisitions and Operations & Head of User Experience

## Team Members:

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# Agenda

- Objective
- Background
- Key Findings
- Recommendations
- Appendix:
  - Data Sources
  - Data Methodology
  - Data Assumptions



# Objective

- Enhance our business revival strategies for the post-COVID era.
- Deliver strategic recommendations for growth and improved customer satisfaction based on key findings.
- Provide valuable insights for informed decision-making on new acquisitions and operational enhancements



# Background

- The COVID-19 pandemic affected Airbnb business due to travel restrictions, resulting in substantial income loss.
- The pandemic significantly impacted Airbnb's revenue, emphasizing the importance of adapting strategies to regain profitability and ensure long-term success.
- As travel restrictions are gradually being lifted, there is an opportunity to strategize and recover from the losses incurred during the pandemic

# Most Costly Neighbourhood Group & Room Types



Average Price for room types in neighbourhood group



Average price in the neighbourhoods – room type: All

- **Coastal Neighbourhoods:** Waterfront / coastal neighbourhoods have a higher concentration of Airbnb listings, offering attractive locations for visitors.
- **Manhattan:** Most expensive neighbourhood group (\$179 avg. price), indicating high demand and popularity among tourists.
- **Room Types:** Manhattan's waterfront areas have the priciest Entire home/apt listings (\$224 avg.), while shared rooms are more affordable.

# Capitalizing on Popularity and Affordability



Host price range preferences

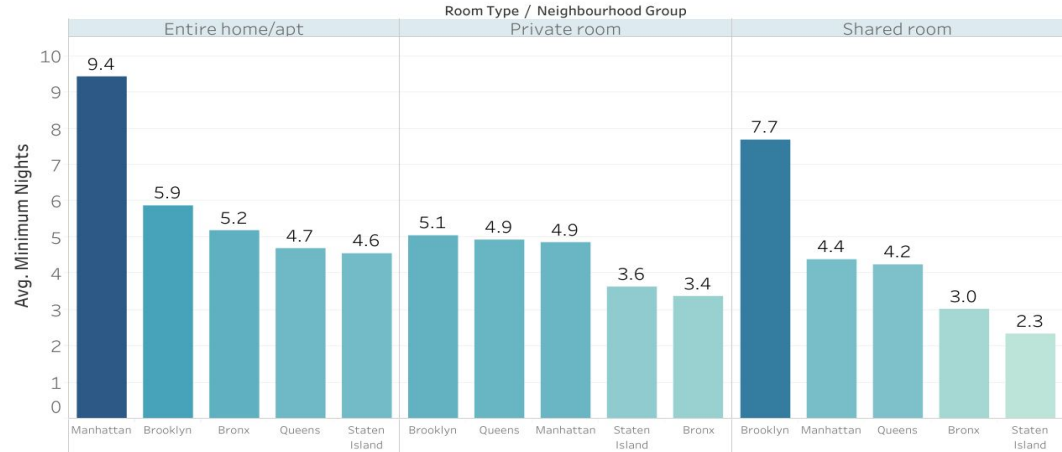


Host price range preferences across neighbourhood groups

- **Price Range Preferences:** Hosts mainly favour lower price ranges, with the majority (24k) opting for the (0-100)\$ range, indicating affordability as a key consideration.
- **Popularity:** Manhattan stands out as the dominant neighbourhood group across price ranges, demonstrating its popularity and appeal among hosts.
- **Strategic Insights:** Target Manhattan's diverse price segments, while also considering opportunities in Brooklyn's lower price range to attract budget-conscious travellers.

# Minimum Stay Analysis: Room Types and Neighbourhood Insights

- Extended stays in Manhattan: Avg. minimum stay for **entire home/apt** in Manhattan is **9.4 nights**, indicating a preference for longer stays in the vibrant city.

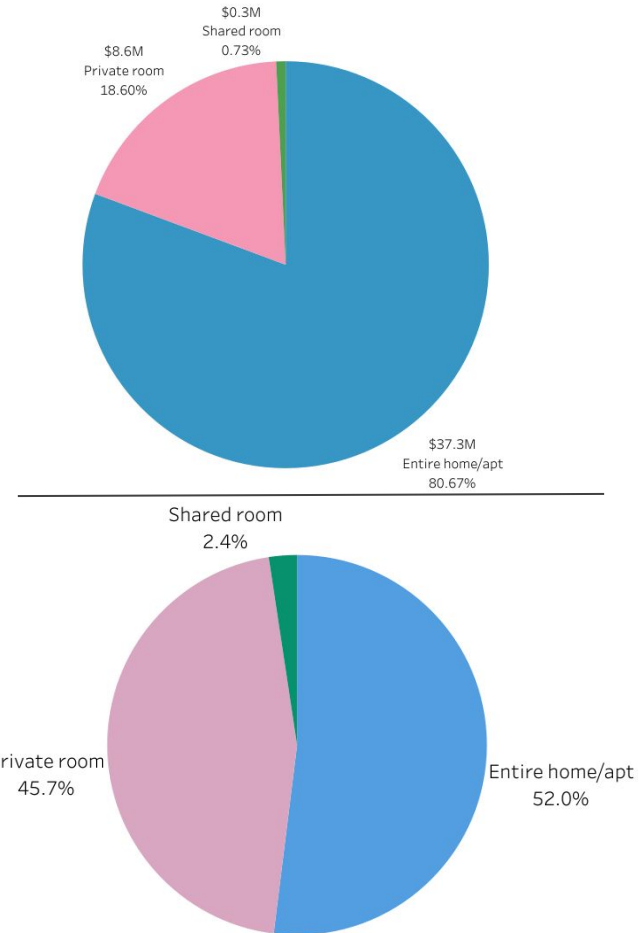


Average minimum nights by room types in neighbourhood group

- Room type differences in Manhattan: Private rooms have a shorter minimum stay (**4.9 nights**) than shared rooms (**4.4 nights**), offering varied options for different traveller preferences.
- Flexibility in the Bronx: Shorter stays in the Bronx, with **private rooms** averaging **3.4 nights** and **shared rooms** offering a flexible minimum stay of **3.0 nights**. These options provide an ideal choice for quick getaways or budget-friendly trips in the Bronx.

# Type of Rooms preferred & Total Revenue

- **Focus on Entire Home/Apt:** Prioritize expanding offerings in this category (*52% preference*) to meet demand for private and secluded stays.
- Around *80% of total revenue (\$37.3M)* is generated from Entire home/apt. So focus should be done on this room type to recover losses.
- **Leverage Private Room Options:** Attract guests with personalized and intimate stays (*45.7% preference*). Highlight unique aspects of each private room, such as cozy ambiance and homely atmosphere.
- **Explore Shared Room Potential:** Optimize shared rooms (*2.4% preference*) for budget-conscious or social-oriented travellers. Create safe and comfortable environments, emphasizing cleanliness and privacy partitions.

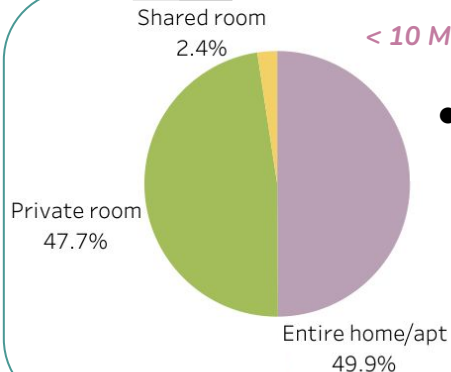


Types of Room preferred



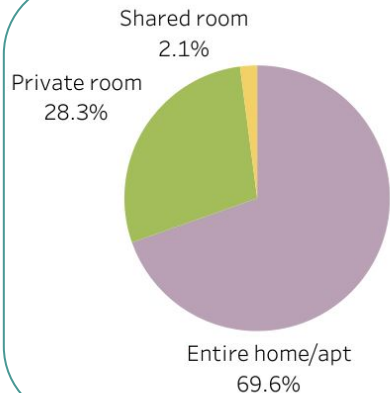
# Ideal Stay Duration by Property Type

## < 10 Min. nights

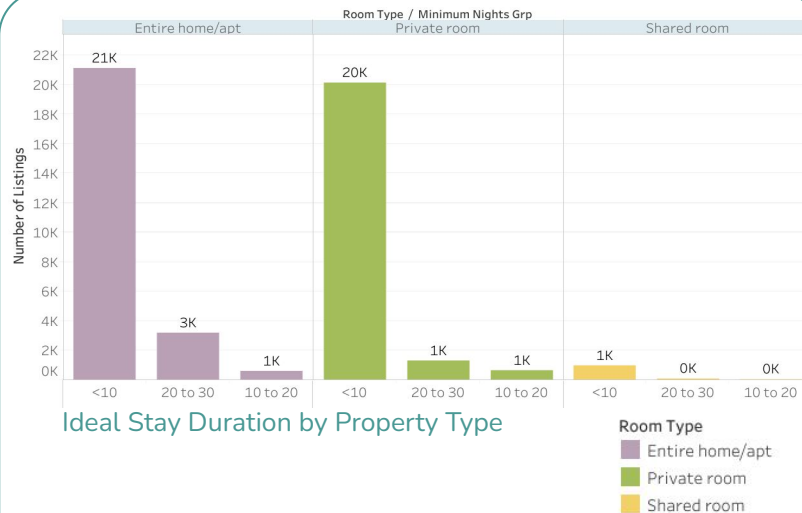


- 97.6% of listings in Entire Home/Apt and private rooms for less than 10 minimum nights stay.

## 20 – 30 Min. nights



- Monthly Stay Potential:** Listings for 20-30 min. night stays shows potential for monthly bookings in Home/Apt (69%), indicating the opportunity to tap into this demand.

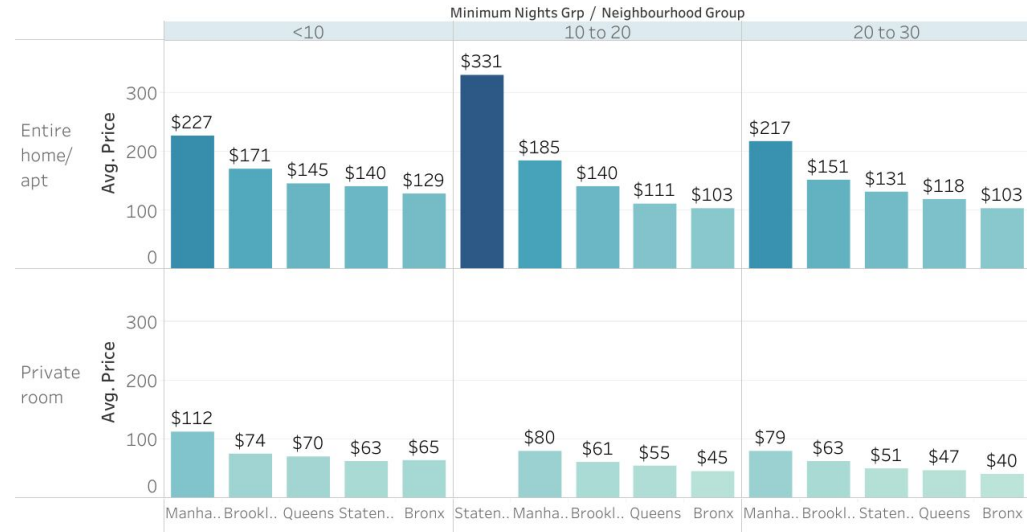


Ideal Stay Duration by Property Type

- Shorter Stays in Demand:** Majority of bookings (41K) prefer stays of less than 10 days, highlighting the need to optimize offerings for shorter durations in Entire Home/Apt and private rooms.

# Optimizing Property Selection: Balancing Quality and Affordability in the Bronx and Manhattan

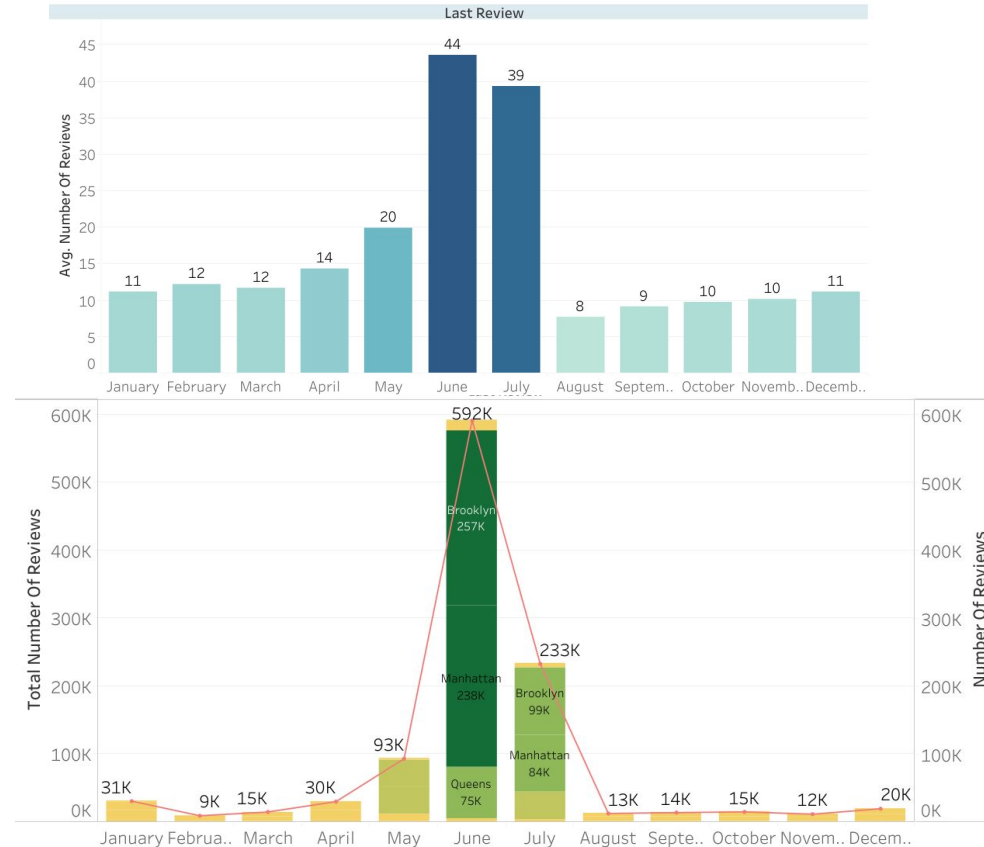
- **Premium Properties in the Bronx:** Appeal to budget-conscious travellers by targeting quality premium properties with affordable rates in the Bronx, for less than 10 nights stay range.
- **Manhattan's Reasonable Approach:** Attract customers in Manhattan seeking affordable options without compromising on quality by focusing on non-premium properties, providing added value to create a satisfying stay, focusing on less than 10 nights stay.



- Manhattan stands out as the priciest location among all areas, while the Bronx offers the most budget-friendly options

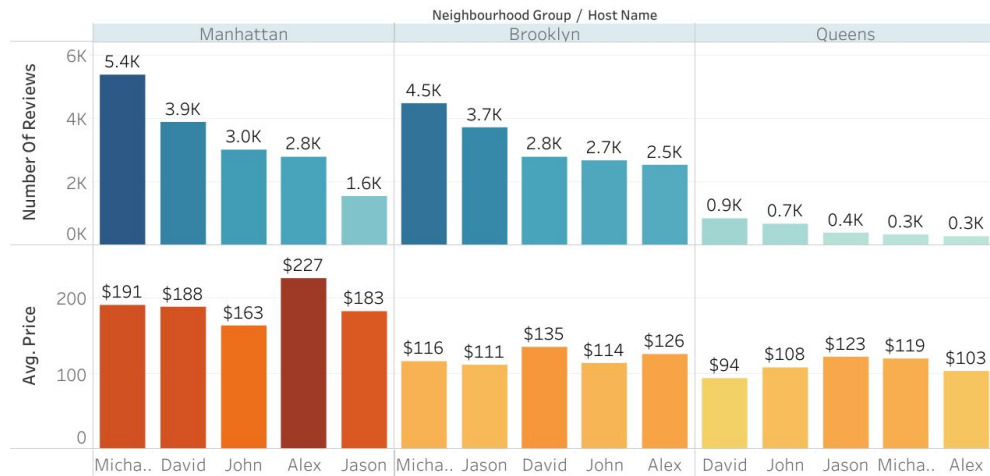
# Optimizing Guest Experiences and Operational Performance during Peak Months

- Make **peak months (June, July)** unforgettable for guests by providing exceptional experiences. Take advantage of the increased demand and turn it into positive reviews.
- Stay ahead of the game by **adapting operations based on seasonal review patterns**. This ensures allocating resources effectively and deliver outstanding service during busy periods.
- June received around **0.5 Million Reviews**, followed by July which received **0.2 Million reviews**.



# Top 5 Hosts Reviews & Price Insights in Manhattan, Brooklyn, and Queens

- **Manhattan:** High reviews and higher prices for *Michael* (5.4k) and *David*(3.9k) indicate guests' willingness to pay more for popular accommodations.
- **Brooklyn:** Despite the most reviews, *Michael* (4.5k) offers value with lower avg. price (\$116), driving positive guest experiences.
- **Queens:** Fewer reviews, varied prices; guests prioritize affordability while appreciating David's offerings.



Top 5 Hosts Reviews & Price Insights in Manhattan, Brooklyn, & Queens



# Recommendations

## For the Head of Acquisitions and Operations, NYC:

- Acquire properties strategically in high-demand areas like Manhattan and Brooklyn, focusing on waterfront/coastal neighbourhoods.
- Diversify property offerings by acquiring more entire home / apartment listings and expanding the portfolio of private rooms.
- Negotiate favourable prices with hosts while considering the preferences of budget-conscious travellers.
- Enhance operational efficiency by allocating additional resources during peak months (June & July) and delivering exceptional guest experiences.



# Recommendations

## For the Head of User Experience, NYC:

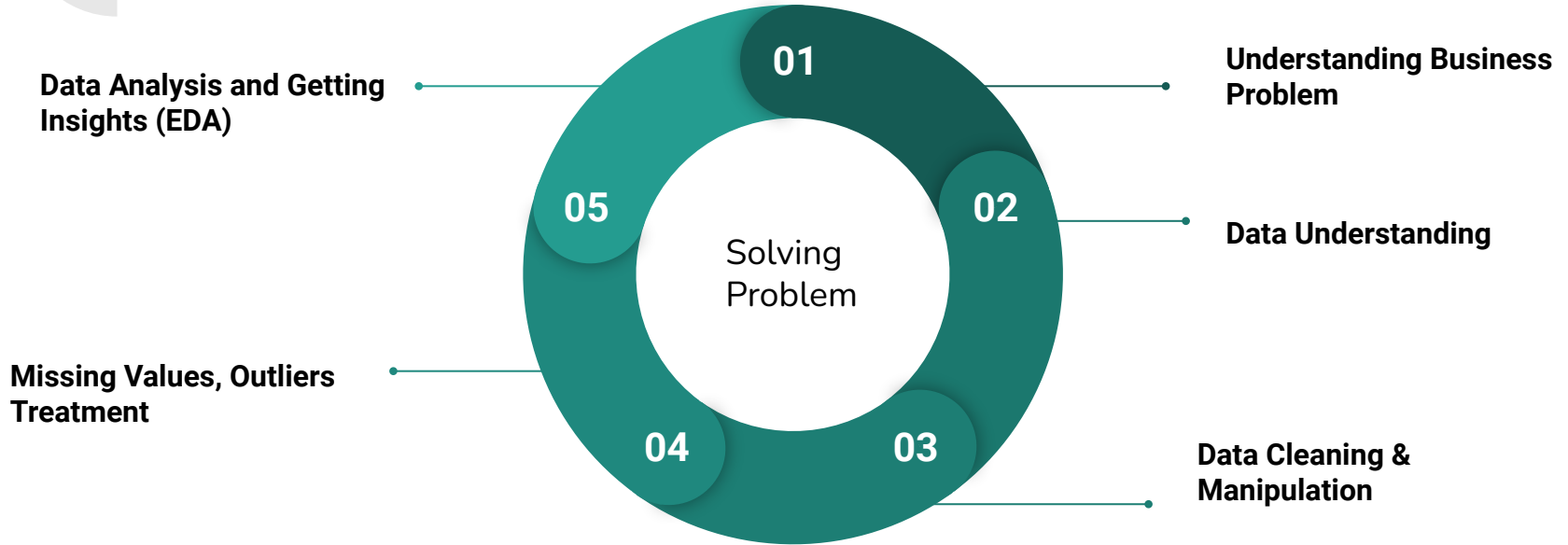
- Optimize property listing in order to highlight popular areas like Manhattan while considering affordability in neighbourhoods like the Bronx.
- Personalize property recommendations based on customer preferences, emphasizing features like waterfront locations and exclusive amenities.
- Improve visibility for less popular properties through curated lists, promotions, and enhanced descriptions to attract a wider range of customers.
- Segment customers based on their preferences, such as budget-conscious travellers, those seeking private stays, or those looking for shorter stays.
- Identify target neighbourhoods based on their popularity, affordability, and unique offerings to enhance the user experience.

# Appendix – Data Source

- The New York Airbnb Dataset provides detailed information on listings, hosts, locations, pricing, and more,
- User-Friendly Structure: With a clear and self-explanatory column structure, the dataset is designed for ease of use.
- We carefully reviewed the dataset description, gaining valuable insights into each column's meaning and context.

Column	Description
id	listing ID
name	name of the listing
host_id	host ID
host_name	name of the host
neighbourhood_group	location
neighbourhood	area
latitude	latitude coordinates
longitude	longitude coordinates
room_type	listing space type
price	
minimum_nights	amount of nights minimum
number_of_reviews	number of reviews
last_review	latest review
reviews_per_month	number of reviews per month
calculated_host_listings_count	amount of listing per host
availability_365	number of days when listing is available for booking

# Appendix – Data Methodology



See in Methodology Document for details.....





## Appendix – Data Assumptions

- **Data Consistency:** It is assumed that the dataset maintains consistency in the format and structure of the data across all records.
- **Data Accuracy:** It is assumed that the provided dataset is accurate and reliable, based on the assumption that Airbnb maintains accurate records of their listings in NYC.
- **Data Privacy and Anonymity:** It is assumed that appropriate measures have been taken to protect the privacy of hosts and guests in the dataset. Personal information has been removed to maintain data confidentiality.



# THANK YOU

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