



NYC Airbnb listings analysis

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Airbnb Listings dataset

- 3 tables
- prices, reviews and room_types
- Approximately 25200 rows of data.

prices
listing_id the listing ID
price price in dollar
borough Name of the borough
neighborhood Name of the neighborhood
price_per_month price per month in dollars
latitude latitude coordinates
longitude longitude coordinates

reviews
listing_id the listing ID
host_name name of the host
last_review date of the last review
number_of_reviews number of reviews
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 in the next 365 days
booked_days_365 Amount of booked days in the next 365 days

room_types
listing_id the listing ID
description the description of the listing
room_type listing space type

Most popular room type for short-term rental market is Entire home/apt

- 52.62% of total room types
- Revenue generated is highest
- Average minimum nights booked is 6 days

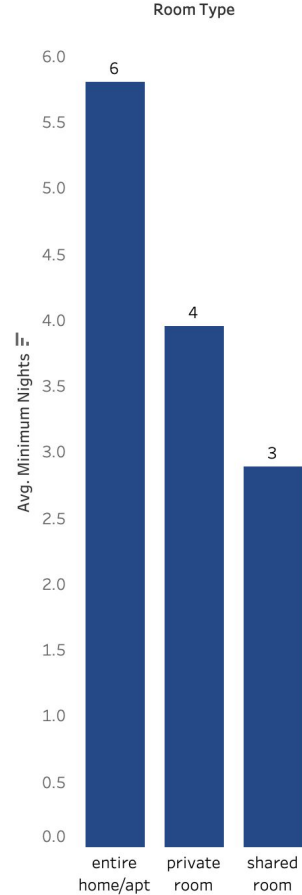
Entire home/apt room type contribute to 52.62% of the total room types in NYC listing



Total Revenue across room_types

entire home/apt	private room	shared room
\$543,790,921.00	\$194,230,549.00	\$5,701,519.00

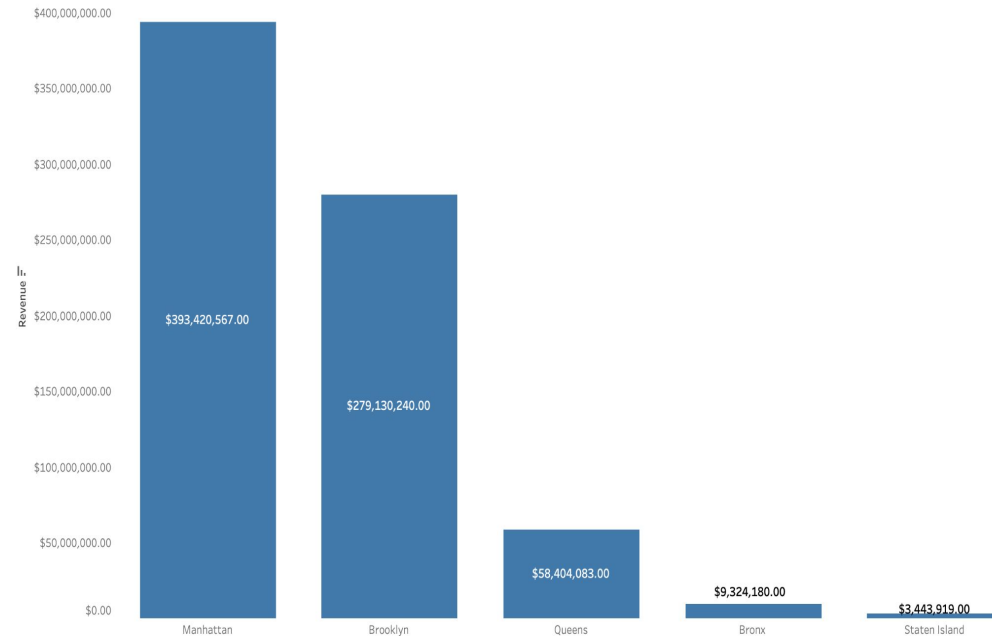
Average minimum nights booked



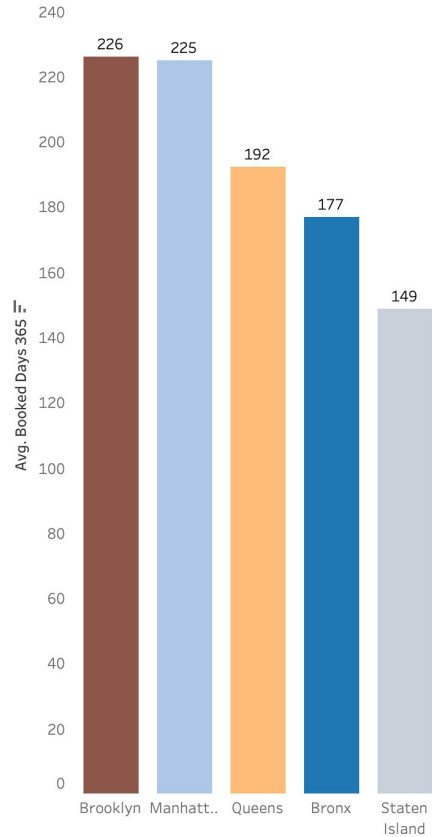
Most popular borough to invest in New York is Manhattan and Brooklyn

- Revenue: \$393,420,567 for Manhattan and \$279,130,240 for Brooklyn
- High Occupancy rate
- Average number of booked days : 225 days and 226 days respectively

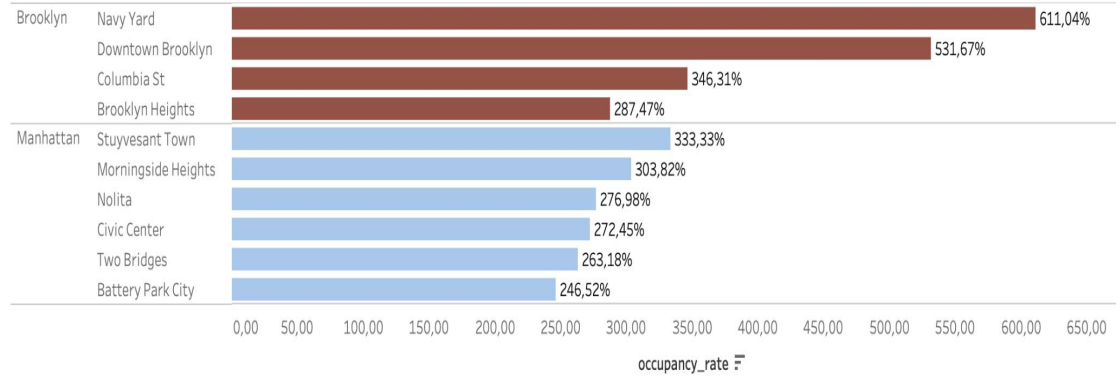
Revenue across boroughs for All room_type



Average number of days booked



Occupancy rate in Brooklyn and Manhattan with the neighbourhoods



Recommendation: Invest in



- Entire home/apt
- Manhattan and Brooklyn boroughs