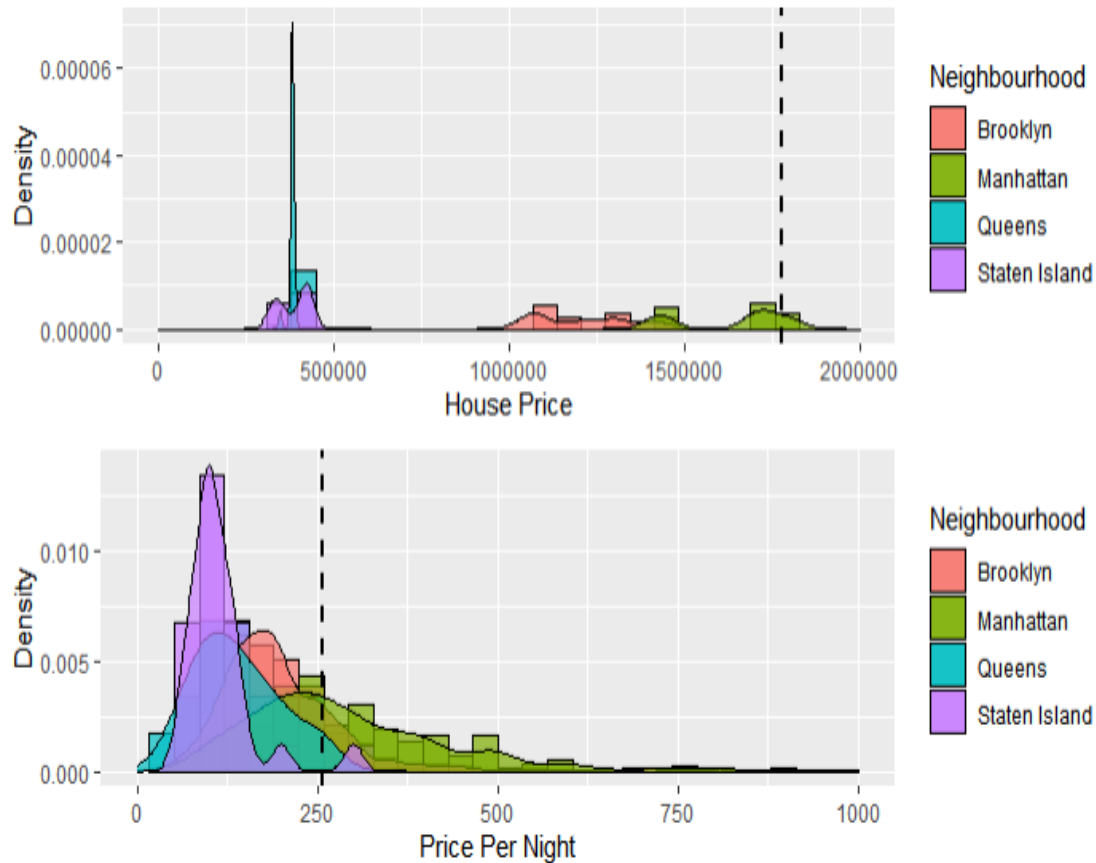


# Capital One – Airbnb and Zillow Data Challenge

## New York Property Analysis

### Comparing Property price vs Revenue by Neighbourhood



#### a) Property price:

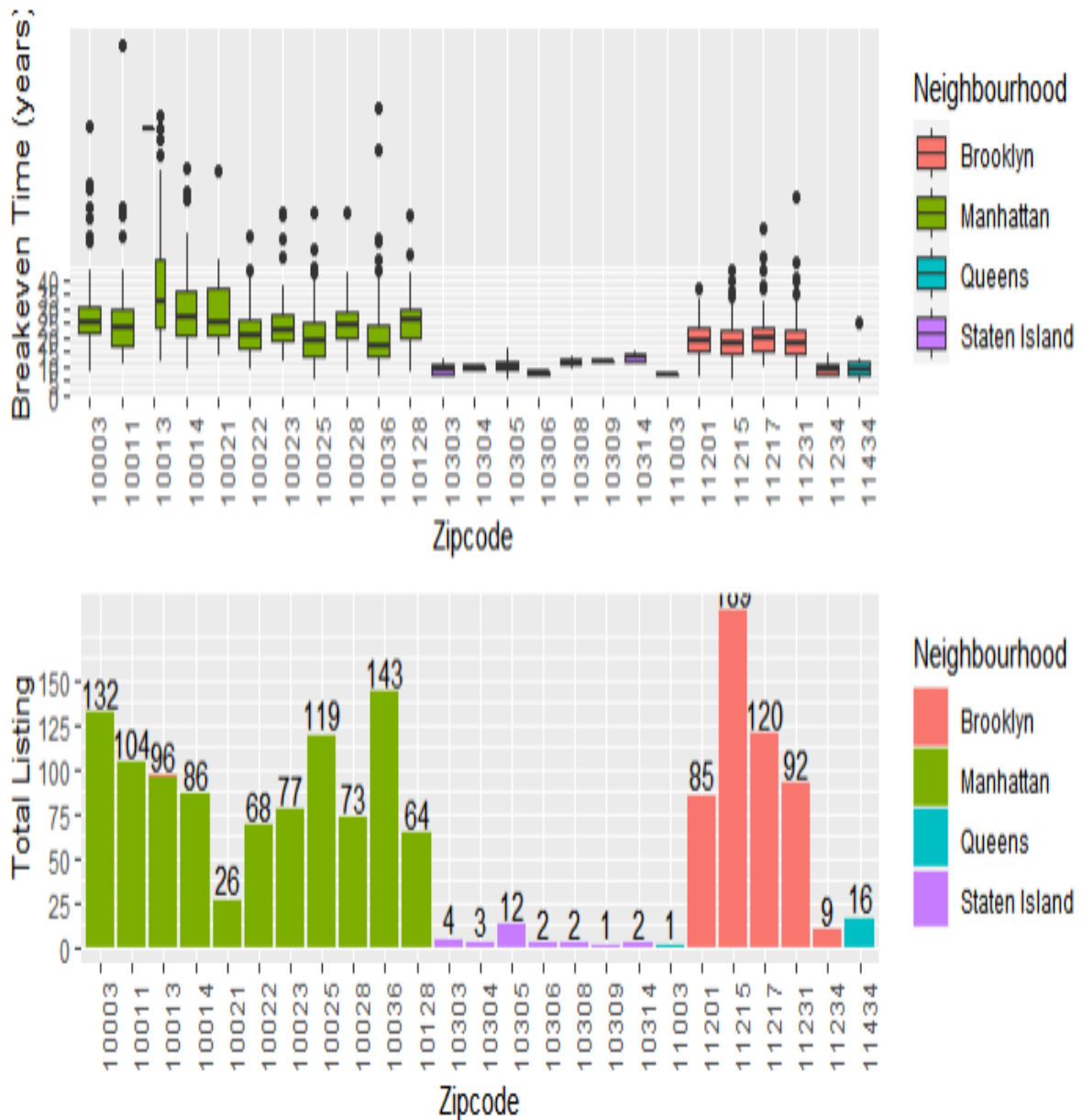
- Price of each property in Manhattan > Brooklyn > Queens > Staten Island.
- Manhattan and Brooklyn have widely separated and distributed prices than other neighbourhoods maybe because of number of these areas.
- Queens and Staten Island looks like they have almost same house prices.

#### b) Rent per Night/price

- The price per night in Manhattan > Brooklyn > Queens > Staten Island
- Manhattan has the widely distributed prices per night compared to other neighbourhoods which even coincides with other neighbourhoods.
- Other than Manhattan other 3 neighbourhoods have similar rent per night

**Conclusion:** Brooklyn has high property price than Queens and Staten Islands but prices per day are not proportional.

## Analysing the break-even time/years to start profiting and total properties by zip codes

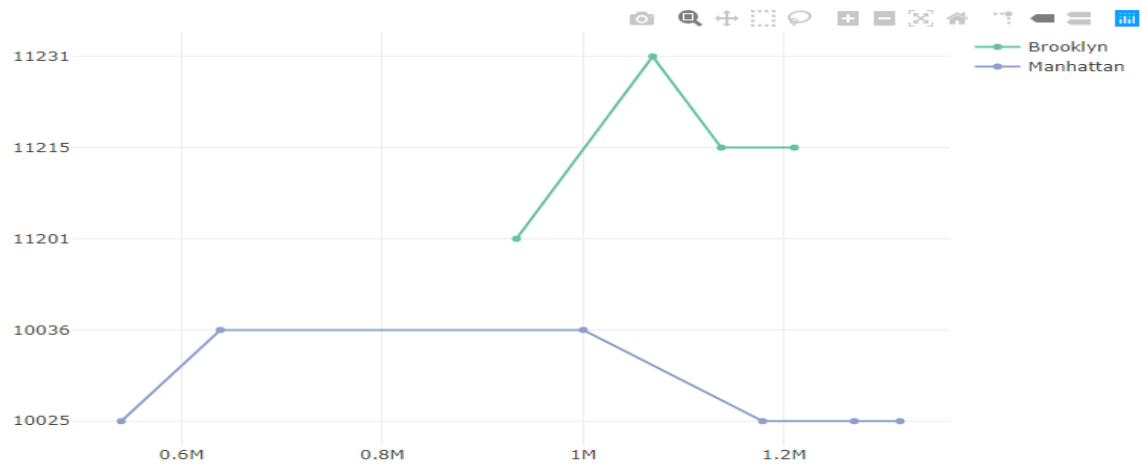


- The years/time the properties to start profiting by neighbourhood is as follows
- Staten Island < Queens < Brooklyn < Manhattan.
- All properties in Staten Island except in 10305 have 4 or less than 4 properties, so we do not want to recommend them.

**Top 10 properties in zipcodes that takes lowest time to break even**



**Top 10 properties that generate highest revenue in 10 years**



3) Final Recommendations are made by two references as A and B below

a) How fast the properties will break even and will start giving profits.

Below zip codes will break even fastest.

(11434 Queens - 4.6 years) (11215 Brooklyn - 4.6 years) (10305 Staten Island – 4.9 years)

(10025 Manhattan – 5.2 years) (11231 Brooklyn – 5.2 years) (11201 Brooklyn – 6 years)

b) How much the properties will earn in 10 long term years

- Brooklyn and Manhattan have predicted the highest long-term revenues in 10 years.
- Below zip codes will earn highest revenue in 10 long years 10025,10036 in Manhattan and
- 11201, 11231, 11215 in Brooklyn earn highest revenue in order, respectively.

