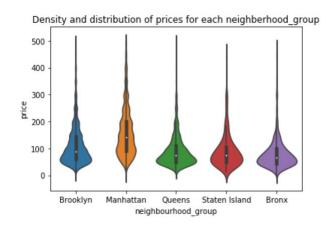


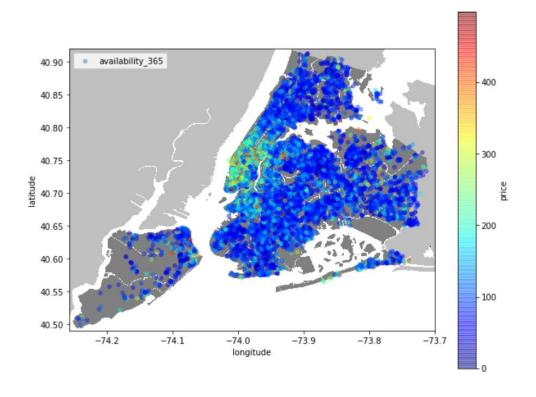
# **Question 1**

- Where are the most popular neighborhoods and what are the average price in NYC for Airbnb rentals?
- Charts for distribution of prices for Airbnb in NYC borough

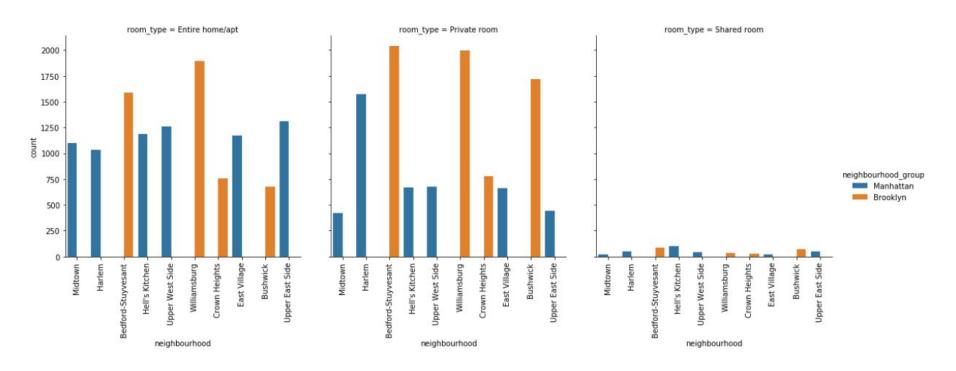
Out[9]:	N N	Brooklyn	Manhattan	Queens	Staten Island	Bronx
	Stats					
	min	0.0	0.0	10.0	13.0	0.0
	25%	60.0	95.0	50.0	50.0	45.0
	50%	90.0	150.0	75.0	75.0	65.0
	75%	150.0	220.0	110.0	110.0	99.0
	max	10000.0	10000.0	10000.0	5000.0	2500.0



# Visualize all NYC listings



## Top 10 neighborhoods room types

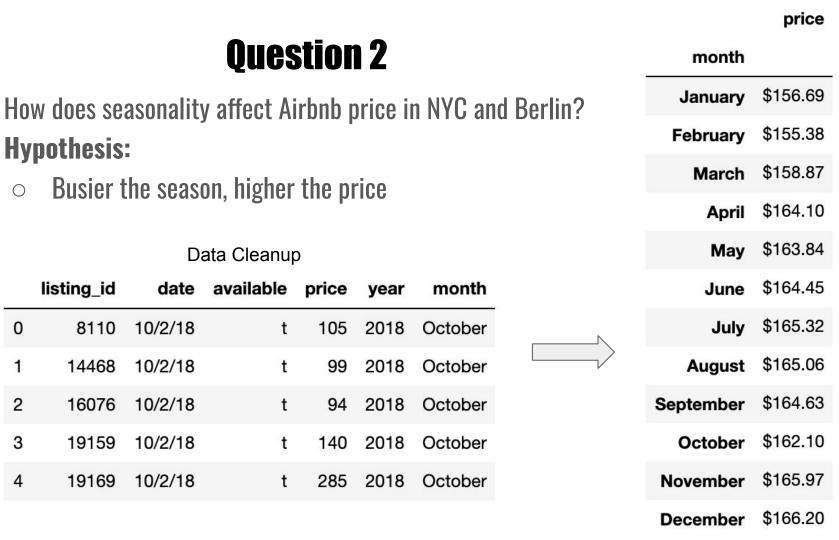


#### Conclusion

- 1. Brooklyn is the most popular borough with neighborhoods such as Bedford, Williamsburg, and Bushwick
- 2. Price increases as you approach closer to the middle : Manhattan tends to be the highest in price

#### Limitation

1. There is lack of recent data (Post-Covid 19)

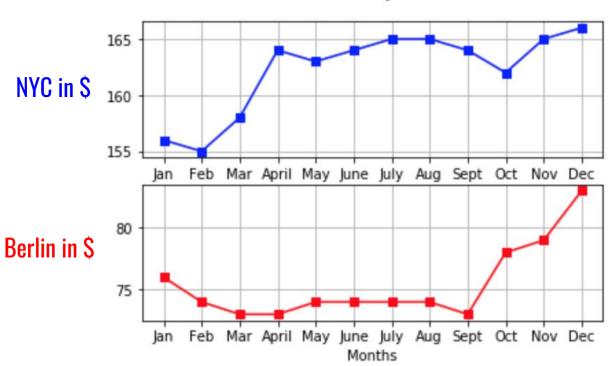


**Hypothesis:** 

listing\_id

## **Question 2 Results**

NYC vs Berlin Price by Month in 2018



## **Question 2 Conclusion**

- NYC on average has a higher rental price
  - NYC: \$163
  - Berlin: \$78
- Both cities generally have an upward slope of price



- Unlike NYC, Berlin has a steep price increase in October
  - Oktoberfest

#### Limitation

Lack of recent Covid 19 data